



Spill ID 489797
Document 2358839

ANALYTICAL REPORT

| | |
|-----------------|---|
| Lab Number: | L2521788 |
| Client: | NewFields 300 LedgeWood Place Suite 205 Rockland, MA 02370 |
| ATTN: | Ted Healey |
| Phone: | (781) 264-4950 |
| Project Name: | BISHOP LOSS OF CONTAINMENT |
| Project Number: | PROJ-054019 |
| Report Date: | 04/21/25 |

The original project report/data package is held by Pace Analytical Services. This report/data package is paginated and should be reproduced only in its entirety. Pace Analytical Services holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0825), DoD (L2474), FL (E87814), IL (200081), IN (C-MA-04), KY (KY98046), LA (85084), ME (MA00030), MD (350), MI (9110), MN (025-999-495), NJ (MA015), NY (11627), NC (685), OR (MA-0262), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #525-23-107-88708A1), USFWS (Permit #A24920).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com



Project Name: BISHOP LOSS OF CONTAINMENT
Project Number: PROJ-054019

Lab Number: L2521788
Report Date: 04/21/25

| Lab Sample ID | Client ID | Matrix | Sample Location | Collection Date/Time | Receive Date |
|--------------------------|------------------|---------------|----------------------------|---------------------------------|---------------------|
| L2521788-01 | GACO0408SC001 | OIL | Not Specified | 04/08/25 13:51 | 04/10/25 |
| L2521788-02 | GACO0408SC002 | OIL | Not Specified | 04/08/25 13:53 | 04/10/25 |

Project Name: BISHOP LOSS OF CONTAINMENT
Project Number: PROJ-054019

Lab Number: L2521788
Report Date: 04/21/25

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: BISHOP LOSS OF CONTAINMENT
Project Number: PROJ-054019

Lab Number: L2521788
Report Date: 04/21/25

Case Narrative (continued)

Report Submission

April 21, 2025: This final report includes the results of all requested analyses.

April 17, 2025: This is a preliminary report pending inclusion of the biomarker results.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L2521788-01D and -02D: The sample was re-analyzed on a further dilution in order to quantitate the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

L2521788-01D and -02D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

The WG2054816-6 Method Blank associated with L2521788-01D2, -01D, -02D2, and -02D has concentrations below the reporting limits and "J" qualified. Associated field sample results are "B" qualified if the concentrations are less than 10x the concentrations in the blank.

Semivolatile Organics

Concentrations for compounds flagged with "G" qualifiers may be biased high due to matrix interference included in the quantitation.

The biomarker surrogate 5(b)H-Cholane was not added to these samples and recoveries are not reported.

The WG2054480-1 Method Blank associated with L2521788-01 and -02 has concentrations below the reporting limits and "J" qualified. Associated field sample results are "B" qualified if the concentrations are less than 10x the concentrations in the blank.

Petroleum Hydrocarbon Quantitation

Project Name: BISHOP LOSS OF CONTAINMENT
Project Number: PROJ-054019

Lab Number: L2521788
Report Date: 04/21/25

Case Narrative (continued)

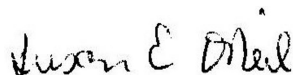
The WG2054480-1 Method Blank associated with L2521788-01 and -02 has concentrations below the reporting limits and "J" qualified. Associated field sample results are "B" qualified if the concentrations are less than 10x the concentrations in the blank.

Total Metals

The WG2054698-4 Laboratory Duplicate RPDs performed on L2521788-01 are outside the acceptance criteria for calcium (64%), iron (56%), and sodium (126%) due to the non-homogeneous nature of the native sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Susan O'Neil

Title: Technical Director/Representative

Date: 04/21/25

ORGANICS

VOLATILES

Project Name: BISHOP LOSS OF CONTAINMENT**Lab Number:** L2521788**Project Number:** PROJ-054019**Report Date:** 04/21/25**SAMPLE RESULTS**

Lab ID: L2521788-01 D2

Date Collected: 04/08/25 13:51

Client ID: GACO0408SC001

Date Received: 04/10/25

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Oil

Analytical Method: 1,8260D(M)

Analytical Date: 04/16/25 00:37

Analyst: MJS

Percent Solids: Results reported on an 'AS RECEIVED' basis.

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|------|-----------------|
| PIANO Volatile Organics by GC/MS - Mansfield Lab | | | | | | |
| Nonane (C9) | 3760 | | mg/kg | 193 | 30.0 | 20 |
| Decane (C10) | 6900 | | mg/kg | 193 | 26.2 | 20 |
| Undecane | 7350 | | mg/kg | 193 | 21.4 | 20 |
| Dodecane (C12) | 6780 | | mg/kg | 483 | 63.5 | 20 |
| Tridecane | 6400 | | mg/kg | 483 | 134. | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| Dibromofluoromethane | 86 | | 70-130 |
| Toluene-d8 | 93 | | 70-130 |
| 4-Bromofluorobenzene | 103 | | 70-130 |

Project Name: BISHOP LOSS OF CONTAINMENT**Lab Number:** L2521788**Project Number:** PROJ-054019**Report Date:** 04/21/25**SAMPLE RESULTS**

Lab ID: L2521788-01 D

Date Collected: 04/08/25 13:51

Client ID: GACO0408SC001

Date Received: 04/10/25

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Oil

Analytical Method: 1,8260D(M)

Analytical Date: 04/15/25 15:13

Analyst: MJS

Percent Solids: Results reported on an 'AS RECEIVED' basis.

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| PIANO Volatile Organics by GC/MS - Mansfield Lab | | | | | | |
| Isopentane | 170 | | mg/kg | 38.6 | 7.07 | 4 |
| 1-Pentene | ND | | mg/kg | 38.6 | 7.05 | 4 |
| 2-Methyl-1-Butene | ND | | mg/kg | 38.6 | 6.01 | 4 |
| Pentane | 264 | | mg/kg | 38.6 | 12.0 | 4 |
| trans-2-Pentene | ND | | mg/kg | 38.6 | 5.22 | 4 |
| cis-2-Pentene | ND | | mg/kg | 38.6 | 6.22 | 4 |
| Tertiary Butanol | ND | | mg/kg | 483 | 156. | 4 |
| Cyclopentane | 40.7 | | mg/kg | 38.6 | 10.0 | 4 |
| 2,3-Dimethylbutane | 25.0 | J | mg/kg | 38.6 | 16.0 | 4 |
| 2-Methylpentane | 191 | | mg/kg | 38.6 | 10.5 | 4 |
| Methyl tert butyl ether | ND | | mg/kg | 38.6 | 7.96 | 4 |
| 3-Methylpentane | 124 | | mg/kg | 38.6 | 6.12 | 4 |
| 1-Hexene | ND | | mg/kg | 38.6 | 5.43 | 4 |
| n-Hexane | 410 | | mg/kg | 96.6 | 6.36 | 4 |
| Isopropyl Ether | ND | | mg/kg | 38.6 | 4.68 | 4 |
| Ethyl-Tert-Butyl-Ether | ND | | mg/kg | 38.6 | 5.86 | 4 |
| 2,2-Dimethylpentane | 9.33 | J | mg/kg | 38.6 | 5.20 | 4 |
| Methylcyclopentane | 248 | | mg/kg | 38.6 | 5.18 | 4 |
| 2,4-Dimethylpentane | 35.3 | J | mg/kg | 38.6 | 4.77 | 4 |
| 1,2-Dichloroethane | ND | | mg/kg | 38.6 | 5.70 | 4 |
| Cyclohexane | 332 | | mg/kg | 38.6 | 4.77 | 4 |
| 2-Methylhexane | 246 | | mg/kg | 38.6 | 9.00 | 4 |
| Benzene | 51.9 | | mg/kg | 38.6 | 5.89 | 4 |
| 2,3-Dimethylpentane | 100 | | mg/kg | 38.6 | 5.12 | 4 |
| Thiophene | ND | | mg/kg | 38.6 | 5.49 | 4 |
| 3-Methylhexane | 276 | | mg/kg | 38.6 | 6.18 | 4 |
| Tertiary-Amyl Methyl Ether | ND | | mg/kg | 38.6 | 4.75 | 4 |
| 1-Heptene/1,2-DMCP (trans) | 210 | | mg/kg | 77.3 | 11.3 | 4 |

Project Name: BISHOP LOSS OF CONTAINMENT**Lab Number:** L2521788**Project Number:** PROJ-054019**Report Date:** 04/21/25**SAMPLE RESULTS**

Lab ID: L2521788-01 D

Date Collected: 04/08/25 13:51

Client ID: GACO0408SC001

Date Received: 04/10/25

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| PIANO Volatile Organics by GC/MS - Mansfield Lab | | | | | | |
| Isooctane | ND | | mg/kg | 38.6 | 4.21 | 4 |
| Heptane | 1050 | | mg/kg | 38.6 | 6.72 | 4 |
| Methylcyclohexane | 1020 | | mg/kg | 38.6 | 5.22 | 4 |
| 2,5-Dimethylhexane | 53.5 | | mg/kg | 38.6 | 6.72 | 4 |
| 2,4-Dimethylhexane | 86.7 | | mg/kg | 38.6 | 4.70 | 4 |
| 2,2,3-Trimethylpentane | 7.46 | J | mg/kg | 38.6 | 6.70 | 4 |
| 2,3,4-Trimethylpentane | 24.0 | J | mg/kg | 38.6 | 5.04 | 4 |
| 2,3,3-Trimethylpentane | 13.3 | J | mg/kg | 38.6 | 7.67 | 4 |
| 2,3-Dimethylhexane | 76.8 | | mg/kg | 38.6 | 9.37 | 4 |
| 2-Methylheptane | 779 | | mg/kg | 38.6 | 8.95 | 4 |
| 3-Methylheptane | 414 | | mg/kg | 38.6 | 5.51 | 4 |
| 3-Ethylhexane | 48.7 | | mg/kg | 38.6 | 6.92 | 4 |
| Toluene | 733 | | mg/kg | 38.6 | 5.24 | 4 |
| 2-Methylthiophene | ND | | mg/kg | 38.6 | 3.28 | 4 |
| 3-Methylthiophene | ND | | mg/kg | 38.6 | 4.52 | 4 |
| 1-Octene | ND | | mg/kg | 96.6 | 5.93 | 4 |
| Octane | 2170 | | mg/kg | 38.6 | 4.54 | 4 |
| 1,2-Dibromoethane | ND | | mg/kg | 38.6 | 6.18 | 4 |
| Ethylbenzene | 267 | | mg/kg | 38.6 | 4.17 | 4 |
| 2-Ethylthiophene | 2.86 | J | mg/kg | 38.6 | 4.23 | 4 |
| p/m-Xylene | 2130 | | mg/kg | 77.3 | 7.36 | 4 |
| 1-Nonene | ND | | mg/kg | 96.6 | 5.22 | 4 |
| Nonane (C9) | 4010 | E | mg/kg | 38.6 | 6.01 | 4 |
| Styrene | ND | | mg/kg | 38.6 | 3.90 | 4 |
| o-Xylene | 904 | | mg/kg | 38.6 | 4.04 | 4 |
| Isopropylbenzene | 111 | | mg/kg | 38.6 | 6.45 | 4 |
| n-Propylbenzene | 349 | | mg/kg | 38.6 | 3.42 | 4 |
| 1-Methyl-3-Ethylbenzene | 886 | | mg/kg | 38.6 | 6.11 | 4 |
| 1-Methyl-4-Ethylbenzene | 362 | | mg/kg | 38.6 | 5.45 | 4 |
| 1,3,5-Trimethylbenzene | 808 | | mg/kg | 38.6 | 4.44 | 4 |
| 1-Decene | ND | | mg/kg | 38.6 | 5.02 | 4 |
| 1-Methyl-2-Ethylbenzene | 289 | | mg/kg | 38.6 | 3.28 | 4 |
| Decane (C10) | 6610 | E | mg/kg | 38.6 | 5.24 | 4 |
| 1,2,4-Trimethylbenzene | 2510 | | mg/kg | 38.6 | 4.00 | 4 |
| sec-Butylbenzene | 156 | | mg/kg | 38.6 | 5.00 | 4 |
| 1-Methyl-3-Isopropylbenzene | 281 | | mg/kg | 38.6 | 4.98 | 4 |
| 1-Methyl-4-Isopropylbenzene | 132 | | mg/kg | 38.6 | 4.10 | 4 |



Project Name: BISHOP LOSS OF CONTAINMENT**Lab Number:** L2521788**Project Number:** PROJ-054019**Report Date:** 04/21/25**SAMPLE RESULTS**

Lab ID: L2521788-01 D

Date Collected: 04/08/25 13:51

Client ID: GACO0408SC001

Date Received: 04/10/25

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| PIANO Volatile Organics by GC/MS - Mansfield Lab | | | | | | |
| 1-Methyl-2-Isopropylbenzene | 42.9 | | mg/kg | 38.6 | 4.19 | 4 |
| Indane | 43.2 | | mg/kg | 38.6 | 2.38 | 4 |
| 1-Methyl-3-N-Propylbenzene | 830 | | mg/kg | 38.6 | 3.90 | 4 |
| 1-Methyl-4-N-Propylbenzene | 288 | | mg/kg | 38.6 | 4.83 | 4 |
| n-Butylbenzene | 228 | | mg/kg | 38.6 | 3.81 | 4 |
| 1,2-Dimethyl-4-Ethylbenzene | 508 | | mg/kg | 38.6 | 4.73 | 4 |
| 1,2-Diethylbenzene | 33.7 | J | mg/kg | 38.6 | 5.72 | 4 |
| 1-Methyl-2-N-Propylbenzene | 347 | | mg/kg | 38.6 | 4.81 | 4 |
| 1,4-Dimethyl-2-Ethylbenzene | 309 | | mg/kg | 38.6 | 3.61 | 4 |
| Undecane | 7650 | E | mg/kg | 38.6 | 4.29 | 4 |
| 1,3-Dimethyl-4-Ethylbenzene | 296 | | mg/kg | 38.6 | 3.75 | 4 |
| 1,3-Dimethyl-5-Ethylbenzene | 514 | | mg/kg | 38.6 | 4.56 | 4 |
| 1,3-Dimethyl-2-Ethylbenzene | ND | | mg/kg | 38.6 | 2.88 | 4 |
| 1,2-Dimethyl-3-Ethylbenzene | 112 | | mg/kg | 38.6 | 2.45 | 4 |
| 1,2,4,5-Tetramethylbenzene | 270 | | mg/kg | 38.6 | 3.00 | 4 |
| N-Pentylbenzene | 32.5 | J | mg/kg | 38.6 | 4.81 | 4 |
| Dodecane (C12) | 7870 | E | mg/kg | 96.6 | 12.7 | 4 |
| Naphthalene | 374 | | mg/kg | 38.6 | 16.1 | 4 |
| Benzothiophene | ND | | mg/kg | 38.6 | 20.5 | 4 |
| MMT | ND | | mg/kg | 96.6 | 24.9 | 4 |
| Tridecane | 7140 | E | mg/kg | 96.6 | 26.8 | 4 |
| 2-Methylnaphthalene | 1660 | | mg/kg | 96.6 | 25.5 | 4 |
| 1-Methylnaphthalene | 957 | | mg/kg | 96.6 | 28.4 | 4 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| Dibromofluoromethane | 85 | | 70-130 |
| Toluene-d8 | 94 | | 70-130 |
| 4-Bromofluorobenzene | 106 | | 70-130 |

Project Name: BISHOP LOSS OF CONTAINMENT**Lab Number:** L2521788**Project Number:** PROJ-054019**Report Date:** 04/21/25**SAMPLE RESULTS**

Lab ID: L2521788-02 D2

Date Collected: 04/08/25 13:53

Client ID: GACO0408SC002

Date Received: 04/10/25

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Oil

Analytical Method: 1,8260D(M)

Analytical Date: 04/16/25 02:57

Analyst: MJS

Percent Solids: Results reported on an 'AS RECEIVED' basis.

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|------|-----------------|
| PIANO Volatile Organics by GC/MS - Mansfield Lab | | | | | | |
| Decane (C10) | 7320 | | mg/kg | 183 | 24.8 | 20 |
| Undecane | 8300 | | mg/kg | 183 | 20.3 | 20 |
| Dodecane (C12) | 7990 | | mg/kg | 458 | 60.2 | 20 |
| Tridecane | 7770 | | mg/kg | 458 | 127. | 20 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| Dibromofluoromethane | 93 | | 70-130 |
| Toluene-d8 | 94 | | 70-130 |
| 4-Bromofluorobenzene | 104 | | 70-130 |

Project Name: BISHOP LOSS OF CONTAINMENT**Lab Number:** L2521788**Project Number:** PROJ-054019**Report Date:** 04/21/25**SAMPLE RESULTS**

Lab ID: L2521788-02 D

Date Collected: 04/08/25 13:53

Client ID: GACO0408SC002

Date Received: 04/10/25

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Oil

Analytical Method: 1,8260D(M)

Analytical Date: 04/15/25 17:34

Analyst: MJS

Percent Solids: Results reported on an 'AS RECEIVED' basis.

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| PIANO Volatile Organics by GC/MS - Mansfield Lab | | | | | | |
| Isopentane | 77.6 | | mg/kg | 45.8 | 8.39 | 5 |
| 1-Pentene | ND | | mg/kg | 45.8 | 8.36 | 5 |
| 2-Methyl-1-Butene | ND | | mg/kg | 45.8 | 7.13 | 5 |
| Pentane | 116 | | mg/kg | 45.8 | 14.3 | 5 |
| trans-2-Pentene | ND | | mg/kg | 45.8 | 6.19 | 5 |
| cis-2-Pentene | ND | | mg/kg | 45.8 | 7.38 | 5 |
| Tertiary Butanol | ND | | mg/kg | 573 | 186. | 5 |
| Cyclopentane | 19.2 | J | mg/kg | 45.8 | 11.9 | 5 |
| 2,3-Dimethylbutane | 11.4 | J | mg/kg | 45.8 | 18.9 | 5 |
| 2-Methylpentane | 85.0 | | mg/kg | 45.8 | 12.4 | 5 |
| Methyl tert butyl ether | ND | | mg/kg | 45.8 | 9.44 | 5 |
| 3-Methylpentane | 55.0 | | mg/kg | 45.8 | 7.26 | 5 |
| 1-Hexene | ND | | mg/kg | 45.8 | 6.44 | 5 |
| n-Hexane | 243 | | mg/kg | 114 | 7.54 | 5 |
| Isopropyl Ether | ND | | mg/kg | 45.8 | 5.54 | 5 |
| Ethyl-Tert-Butyl-Ether | ND | | mg/kg | 45.8 | 6.94 | 5 |
| 2,2-Dimethylpentane | ND | | mg/kg | 45.8 | 6.16 | 5 |
| Methylcyclopentane | 129 | | mg/kg | 45.8 | 6.14 | 5 |
| 2,4-Dimethylpentane | 17.8 | J | mg/kg | 45.8 | 5.66 | 5 |
| 1,2-Dichloroethane | ND | | mg/kg | 45.8 | 6.76 | 5 |
| Cyclohexane | 180 | | mg/kg | 45.8 | 5.66 | 5 |
| 2-Methylhexane | 137 | | mg/kg | 45.8 | 10.7 | 5 |
| Benzene | 29.2 | J | mg/kg | 45.8 | 6.99 | 5 |
| 2,3-Dimethylpentane | 53.2 | | mg/kg | 45.8 | 6.07 | 5 |
| Thiophene | ND | | mg/kg | 45.8 | 6.51 | 5 |
| 3-Methylhexane | 158 | | mg/kg | 45.8 | 7.33 | 5 |
| Tertiary-Amyl Methyl Ether | ND | | mg/kg | 45.8 | 5.64 | 5 |
| 1-Heptene/1,2-DMCP (trans) | 122 | | mg/kg | 91.6 | 13.4 | 5 |

Project Name: BISHOP LOSS OF CONTAINMENT**Lab Number:** L2521788**Project Number:** PROJ-054019**Report Date:** 04/21/25**SAMPLE RESULTS**

Lab ID: L2521788-02 D

Date Collected: 04/08/25 13:53

Client ID: GACO0408SC002

Date Received: 04/10/25

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| PIANO Volatile Organics by GC/MS - Mansfield Lab | | | | | | |
| Isooctane | ND | | mg/kg | 45.8 | 5.00 | 5 |
| Heptane | 634 | | mg/kg | 45.8 | 7.97 | 5 |
| Methylcyclohexane | 617 | | mg/kg | 45.8 | 6.19 | 5 |
| 2,5-Dimethylhexane | 34.1 | J | mg/kg | 45.8 | 7.97 | 5 |
| 2,4-Dimethylhexane | 55.5 | | mg/kg | 45.8 | 5.57 | 5 |
| 2,2,3-Trimethylpentane | 4.31 | J | mg/kg | 45.8 | 7.95 | 5 |
| 2,3,4-Trimethylpentane | 15.8 | J | mg/kg | 45.8 | 5.98 | 5 |
| 2,3,3-Trimethylpentane | 9.21 | J | mg/kg | 45.8 | 9.10 | 5 |
| 2,3-Dimethylhexane | 48.3 | | mg/kg | 45.8 | 11.1 | 5 |
| 2-Methylheptane | 514 | | mg/kg | 45.8 | 10.6 | 5 |
| 3-Methylheptane | 273 | | mg/kg | 45.8 | 6.53 | 5 |
| 3-Ethylhexane | 35.2 | J | mg/kg | 45.8 | 8.20 | 5 |
| Toluene | 512 | | mg/kg | 45.8 | 6.21 | 5 |
| 2-Methylthiophene | ND | | mg/kg | 45.8 | 3.90 | 5 |
| 3-Methylthiophene | ND | | mg/kg | 45.8 | 5.36 | 5 |
| 1-Octene | ND | | mg/kg | 114 | 7.03 | 5 |
| Octane | 1480 | | mg/kg | 45.8 | 5.38 | 5 |
| 1,2-Dibromoethane | ND | | mg/kg | 45.8 | 7.33 | 5 |
| Ethylbenzene | 204 | | mg/kg | 45.8 | 4.95 | 5 |
| 2-Ethylthiophene | 3.16 | J | mg/kg | 45.8 | 5.02 | 5 |
| p/m-Xylene | 1640 | | mg/kg | 91.6 | 8.73 | 5 |
| 1-Nonene | ND | | mg/kg | 114 | 6.19 | 5 |
| Nonane (C9) | 2870 | | mg/kg | 45.8 | 7.13 | 5 |
| Styrene | ND | | mg/kg | 45.8 | 4.63 | 5 |
| o-Xylene | 695 | | mg/kg | 45.8 | 4.79 | 5 |
| Isopropylbenzene | 84.8 | | mg/kg | 45.8 | 7.65 | 5 |
| n-Propylbenzene | 274 | | mg/kg | 45.8 | 4.06 | 5 |
| 1-Methyl-3-Ethylbenzene | 703 | | mg/kg | 45.8 | 7.24 | 5 |
| 1-Methyl-4-Ethylbenzene | 294 | | mg/kg | 45.8 | 6.46 | 5 |
| 1,3,5-Trimethylbenzene | 645 | | mg/kg | 45.8 | 5.27 | 5 |
| 1-Decene | ND | | mg/kg | 45.8 | 5.96 | 5 |
| 1-Methyl-2-Ethylbenzene | 226 | | mg/kg | 45.8 | 3.90 | 5 |
| Decane (C10) | 4860 | E | mg/kg | 45.8 | 6.21 | 5 |
| 1,2,4-Trimethylbenzene | 2010 | | mg/kg | 45.8 | 4.74 | 5 |
| sec-Butylbenzene | 121 | | mg/kg | 45.8 | 5.93 | 5 |
| 1-Methyl-3-Isopropylbenzene | 230 | | mg/kg | 45.8 | 5.91 | 5 |
| 1-Methyl-4-Isopropylbenzene | 105 | | mg/kg | 45.8 | 4.86 | 5 |



Project Name: BISHOP LOSS OF CONTAINMENT**Lab Number:** L2521788**Project Number:** PROJ-054019**Report Date:** 04/21/25**SAMPLE RESULTS**

Lab ID: L2521788-02 D

Date Collected: 04/08/25 13:53

Client ID: GACO0408SC002

Date Received: 04/10/25

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| PIANO Volatile Organics by GC/MS - Mansfield Lab | | | | | | |
| 1-Methyl-2-Isopropylbenzene | 35.3 | J | mg/kg | 45.8 | 4.97 | 5 |
| Indane | 35.0 | J | mg/kg | 45.8 | 2.82 | 5 |
| 1-Methyl-3-N-Propylbenzene | 676 | | mg/kg | 45.8 | 4.63 | 5 |
| 1-Methyl-4-N-Propylbenzene | 236 | | mg/kg | 45.8 | 5.73 | 5 |
| n-Butylbenzene | 188 | | mg/kg | 45.8 | 4.51 | 5 |
| 1,2-Dimethyl-4-Ethylbenzene | 415 | | mg/kg | 45.8 | 5.61 | 5 |
| 1,2-Diethylbenzene | 27.7 | J | mg/kg | 45.8 | 6.78 | 5 |
| 1-Methyl-2-N-Propylbenzene | 277 | | mg/kg | 45.8 | 5.70 | 5 |
| 1,4-Dimethyl-2-Ethylbenzene | 252 | | mg/kg | 45.8 | 4.28 | 5 |
| Undecane | 5650 | E | mg/kg | 45.8 | 5.09 | 5 |
| 1,3-Dimethyl-4-Ethylbenzene | 244 | | mg/kg | 45.8 | 4.44 | 5 |
| 1,3-Dimethyl-5-Ethylbenzene | 428 | | mg/kg | 45.8 | 5.41 | 5 |
| 1,3-Dimethyl-2-Ethylbenzene | ND | | mg/kg | 45.8 | 3.41 | 5 |
| 1,2-Dimethyl-3-Ethylbenzene | 93.7 | | mg/kg | 45.8 | 2.91 | 5 |
| 1,2,4,5-Tetramethylbenzene | 225 | | mg/kg | 45.8 | 3.55 | 5 |
| N-Pentylbenzene | 20.6 | J | mg/kg | 45.8 | 5.70 | 5 |
| Dodecane (C12) | 5770 | E | mg/kg | 114 | 15.0 | 5 |
| Naphthalene | 333 | | mg/kg | 45.8 | 19.1 | 5 |
| Benzothiophene | ND | | mg/kg | 45.8 | 24.3 | 5 |
| MMT | ND | | mg/kg | 114 | 29.6 | 5 |
| Tridecane | 5560 | E | mg/kg | 114 | 31.8 | 5 |
| 2-Methylnaphthalene | 1500 | | mg/kg | 114 | 30.2 | 5 |
| 1-Methylnaphthalene | 847 | | mg/kg | 114 | 33.7 | 5 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| Dibromofluoromethane | 91 | | 70-130 |
| Toluene-d8 | 96 | | 70-130 |
| 4-Bromofluorobenzene | 104 | | 70-130 |

Project Name: BISHOP LOSS OF CONTAINMENT
Project Number: PROJ-054019

Lab Number: L2521788
Report Date: 04/21/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D(M)
 Analytical Date: 04/14/25 15:13
 Analyst: MJS

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|------|------|
| PIANO Volatile Organics by GC/MS - Mansfield Lab for sample(s): 01-02 Batch: WG2054816-6 | | | | | |
| Isopentane | ND | | mg/kg | 10.0 | 1.83 |
| 1-Pentene | ND | | mg/kg | 10.0 | 1.82 |
| 2-Methyl-1-Butene | ND | | mg/kg | 10.0 | 1.56 |
| Pentane | ND | | mg/kg | 10.0 | 3.12 |
| trans-2-Pentene | ND | | mg/kg | 10.0 | 1.35 |
| cis-2-Pentene | ND | | mg/kg | 10.0 | 1.61 |
| Tertiary Butanol | ND | | mg/kg | 125 | 40.5 |
| Cyclopentane | ND | | mg/kg | 10.0 | 2.60 |
| 2,3-Dimethylbutane | ND | | mg/kg | 10.0 | 4.13 |
| 2-Methylpentane | ND | | mg/kg | 10.0 | 2.71 |
| Methyl tert butyl ether | ND | | mg/kg | 10.0 | 2.06 |
| 3-Methylpentane | ND | | mg/kg | 10.0 | 1.58 |
| 1-Hexene | ND | | mg/kg | 10.0 | 1.40 |
| n-Hexane | ND | | mg/kg | 25.0 | 1.64 |
| Isopropyl Ether | ND | | mg/kg | 10.0 | 1.21 |
| Ethyl-Tert-Butyl-Ether | ND | | mg/kg | 10.0 | 1.52 |
| 2,2-Dimethylpentane | ND | | mg/kg | 10.0 | 1.34 |
| Methylcyclopentane | ND | | mg/kg | 10.0 | 1.34 |
| 2,4-Dimethylpentane | ND | | mg/kg | 10.0 | 1.24 |
| 1,2-Dichloroethane | ND | | mg/kg | 10.0 | 1.48 |
| Cyclohexane | ND | | mg/kg | 10.0 | 1.24 |
| 2-Methylhexane | ND | | mg/kg | 10.0 | 2.33 |
| Benzene | ND | | mg/kg | 10.0 | 1.52 |
| 2,3-Dimethylpentane | ND | | mg/kg | 10.0 | 1.32 |
| Thiophene | ND | | mg/kg | 10.0 | 1.42 |
| 3-Methylhexane | ND | | mg/kg | 10.0 | 1.60 |
| Tertiary-Amyl Methyl Ether | ND | | mg/kg | 10.0 | 1.23 |
| 1-Heptene/1,2-DMCP (trans) | ND | | mg/kg | 20.0 | 2.92 |
| Isooctane | ND | | mg/kg | 10.0 | 1.09 |

Project Name: BISHOP LOSS OF CONTAINMENT
Project Number: PROJ-054019

Lab Number: L2521788
Report Date: 04/21/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D(M)
 Analytical Date: 04/14/25 15:13
 Analyst: MJS

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|------|-------|
| PIANO Volatile Organics by GC/MS - Mansfield Lab for sample(s): 01-02 Batch: WG2054816-6 | | | | | |
| Heptane | ND | | mg/kg | 10.0 | 1.74 |
| Methylcyclohexane | ND | | mg/kg | 10.0 | 1.35 |
| 2,5-Dimethylhexane | ND | | mg/kg | 10.0 | 1.74 |
| 2,4-Dimethylhexane | ND | | mg/kg | 10.0 | 1.22 |
| 2,2,3-Trimethylpentane | ND | | mg/kg | 10.0 | 1.74 |
| 2,3,4-Trimethylpentane | ND | | mg/kg | 10.0 | 1.30 |
| 2,3,3-Trimethylpentane | ND | | mg/kg | 10.0 | 1.98 |
| 2,3-Dimethylhexane | ND | | mg/kg | 10.0 | 2.42 |
| 2-Methylheptane | ND | | mg/kg | 10.0 | 2.32 |
| 3-Methylheptane | ND | | mg/kg | 10.0 | 1.42 |
| 3-Ethylhexane | ND | | mg/kg | 10.0 | 1.79 |
| Toluene | ND | | mg/kg | 10.0 | 1.36 |
| 2-Methylthiophene | ND | | mg/kg | 10.0 | 0.850 |
| 3-Methylthiophene | ND | | mg/kg | 10.0 | 1.17 |
| 1-Octene | ND | | mg/kg | 25.0 | 1.54 |
| Octane | ND | | mg/kg | 10.0 | 1.18 |
| 1,2-Dibromoethane | ND | | mg/kg | 10.0 | 1.60 |
| Ethylbenzene | ND | | mg/kg | 10.0 | 1.08 |
| 2-Ethylthiophene | ND | | mg/kg | 10.0 | 1.10 |
| p/m-Xylene | ND | | mg/kg | 20.0 | 1.90 |
| 1-Nonene | ND | | mg/kg | 25.0 | 1.35 |
| Nonane (C9) | ND | | mg/kg | 10.0 | 1.56 |
| Styrene | ND | | mg/kg | 10.0 | 1.01 |
| o-Xylene | ND | | mg/kg | 10.0 | 1.04 |
| Isopropylbenzene | ND | | mg/kg | 10.0 | 1.67 |
| n-Propylbenzene | ND | | mg/kg | 10.0 | 0.885 |
| 1-Methyl-3-Ethylbenzene | ND | | mg/kg | 10.0 | 1.58 |
| 1-Methyl-4-Ethylbenzene | ND | | mg/kg | 10.0 | 1.41 |
| 1,3,5-Trimethylbenzene | ND | | mg/kg | 10.0 | 1.15 |



Project Name: BISHOP LOSS OF CONTAINMENT
Project Number: PROJ-054019

Lab Number: L2521788
Report Date: 04/21/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D(M)
Analytical Date: 04/14/25 15:13
Analyst: MJS

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|------|-------|
| PIANO Volatile Organics by GC/MS - Mansfield Lab for sample(s): 01-02 Batch: WG2054816-6 | | | | | |
| 1-Decene | ND | | mg/kg | 10.0 | 1.30 |
| 1-Methyl-2-Ethylbenzene | ND | | mg/kg | 10.0 | 0.850 |
| Decane (C10) | ND | | mg/kg | 10.0 | 1.36 |
| 1,2,4-Trimethylbenzene | ND | | mg/kg | 10.0 | 1.04 |
| sec-Butylbenzene | ND | | mg/kg | 10.0 | 1.30 |
| 1-Methyl-3-Isopropylbenzene | ND | | mg/kg | 10.0 | 1.29 |
| 1-Methyl-4-Isopropylbenzene | ND | | mg/kg | 10.0 | 1.06 |
| 1-Methyl-2-Isopropylbenzene | ND | | mg/kg | 10.0 | 1.08 |
| Indane | ND | | mg/kg | 10.0 | 0.615 |
| 1-Methyl-3-N-Propylbenzene | ND | | mg/kg | 10.0 | 1.01 |
| 1-Methyl-4-N-Propylbenzene | ND | | mg/kg | 10.0 | 1.25 |
| n-Butylbenzene | ND | | mg/kg | 10.0 | 0.985 |
| 1,2-Dimethyl-4-Ethylbenzene | ND | | mg/kg | 10.0 | 1.22 |
| 1,2-Diethylbenzene | ND | | mg/kg | 10.0 | 1.48 |
| 1-Methyl-2-N-Propylbenzene | ND | | mg/kg | 10.0 | 1.24 |
| 1,4-Dimethyl-2-Ethylbenzene | ND | | mg/kg | 10.0 | 0.935 |
| Undecane | 0.335 | J | mg/kg | 10.0 | 1.11 |
| 1,3-Dimethyl-4-Ethylbenzene | ND | | mg/kg | 10.0 | 0.970 |
| 1,3-Dimethyl-5-Ethylbenzene | ND | | mg/kg | 10.0 | 1.18 |
| 1,3-Dimethyl-2-Ethylbenzene | ND | | mg/kg | 10.0 | 0.745 |
| 1,2-Dimethyl-3-Ethylbenzene | ND | | mg/kg | 10.0 | 0.635 |
| 1,2,4,5-Tetramethylbenzene | ND | | mg/kg | 10.0 | 0.775 |
| N-Pentylbenzene | ND | | mg/kg | 10.0 | 1.24 |
| Dodecane (C12) | ND | | mg/kg | 25.0 | 3.28 |
| Naphthalene | 0.855 | J | mg/kg | 10.0 | 4.18 |
| Benzothiophene | ND | | mg/kg | 10.0 | 5.30 |
| MMT | ND | | mg/kg | 25.0 | 6.45 |
| Tridecane | ND | | mg/kg | 25.0 | 6.95 |
| 2-Methylnaphthalene | 1.52 | J | mg/kg | 25.0 | 6.60 |



Project Name: BISHOP LOSS OF CONTAINMENT
Project Number: PROJ-054019

Lab Number: L2521788
Report Date: 04/21/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D(M)
Analytical Date: 04/14/25 15:13
Analyst: MJS

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|------|------|
| PIANO Volatile Organics by GC/MS - Mansfield Lab for sample(s): 01-02 Batch: WG2054816-6 | | | | | |
| 1-Methylnaphthalene | 0.960 | J | mg/kg | 25.0 | 7.35 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|----------------------|-----------|-----------|------------------------|
| Dibromofluoromethane | 98 | | 70-130 |
| Toluene-d8 | 95 | | 70-130 |
| 4-Bromofluorobenzene | 98 | | 70-130 |

Lab Control Sample Analysis **Batch Quality Control**

Project Name: BISHOP LOSS OF CONTAINMENT

Lab Number: L2521788

Project Number: PROJ-054019

Report Date: 04/21/25

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| PIANO Volatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-02 Batch: WG2054816-3 WG2054816-4 | | | | | | | | |
| 1-Pentene | 82 | | 88 | | 50-130 | 7 | | 30 |
| Pentane | 82 | | 88 | | 50-130 | 7 | | 30 |
| Tertiary Butanol | 106 | | 106 | | 50-130 | 0 | | 30 |
| Cyclopentane | 88 | | 92 | | 50-130 | 4 | | 30 |
| 2-Methylpentane | 84 | | 87 | | 50-130 | 4 | | 30 |
| Methyl tert butyl ether | 94 | | 97 | | 50-130 | 3 | | 30 |
| 3-Methylpentane | 85 | | 86 | | 50-130 | 1 | | 30 |
| 1-Hexene | 85 | | 87 | | 50-130 | 2 | | 30 |
| n-Hexane | 81 | | 83 | | 50-130 | 2 | | 30 |
| Isopropyl Ether | 94 | | 96 | | 50-130 | 2 | | 30 |
| Ethyl-Tert-Butyl-Ether | 88 | | 88 | | 50-130 | 0 | | 30 |
| Methylcyclopentane | 87 | | 90 | | 50-130 | 3 | | 30 |
| 2,4-Dimethylpentane | 84 | | 87 | | 50-130 | 4 | | 30 |
| Cyclohexane | 87 | | 90 | | 50-130 | 3 | | 30 |
| 2-Methylhexane | 87 | | 90 | | 50-130 | 3 | | 30 |
| Benzene | 89 | | 92 | | 50-130 | 3 | | 30 |
| 2,3-Dimethylpentane | 89 | | 93 | | 50-130 | 4 | | 30 |
| 3-Methylhexane | 82 | | 83 | | 50-130 | 1 | | 30 |
| Tertiary-Amyl Methyl Ether | 82 | | 83 | | 50-130 | 1 | | 30 |
| Isooctane | 87 | | 90 | | 50-130 | 3 | | 30 |
| Heptane | 90 | | 92 | | 50-130 | 2 | | 30 |
| Methylcyclohexane | 80 | | 80 | | 50-130 | 0 | | 30 |
| 2-Methylheptane | 83 | | 85 | | 50-130 | 2 | | 30 |

Lab Control Sample Analysis **Batch Quality Control**

Project Name: BISHOP LOSS OF CONTAINMENT

Lab Number: L2521788

Project Number: PROJ-054019

Report Date: 04/21/25

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| PIANO Volatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-02 Batch: WG2054816-3 WG2054816-4 | | | | | | | | |
| 3-Methylheptane | 87 | | 90 | | 50-130 | 3 | | 30 |
| Toluene | 91 | | 92 | | 50-130 | 1 | | 30 |
| Octane | 87 | | 88 | | 50-130 | 1 | | 30 |
| Ethylbenzene | 85 | | 86 | | 50-130 | 1 | | 30 |
| p/m-Xylene | 92 | | 92 | | 50-130 | 0 | | 30 |
| Nonane (C9) | 73 | | 76 | | 50-130 | 4 | | 30 |
| o-Xylene | 93 | | 93 | | 50-130 | 0 | | 30 |
| Isopropylbenzene | 92 | | 92 | | 50-130 | 0 | | 30 |
| n-Propylbenzene | 93 | | 92 | | 50-130 | 1 | | 30 |
| 1-Methyl-3-Ethylbenzene | 91 | | 90 | | 50-130 | 1 | | 30 |
| 1-Methyl-4-Ethylbenzene | 98 | | 98 | | 50-130 | 0 | | 30 |
| 1,3,5-Trimethylbenzene | 93 | | 91 | | 50-130 | 2 | | 30 |
| 1-Decene | 70 | | 70 | | 50-130 | 0 | | 30 |
| 1-Methyl-2-Ethylbenzene | 93 | | 93 | | 50-130 | 0 | | 30 |
| Decane (C10) | 86 | | 88 | | 50-130 | 2 | | 30 |
| 1,2,4-Trimethylbenzene | 89 | | 89 | | 50-130 | 0 | | 30 |
| sec-Butylbenzene | 97 | | 95 | | 50-130 | 2 | | 30 |
| 1-Methyl-4-N-Propylbenzene | 86 | | 85 | | 50-130 | 1 | | 30 |
| n-Butylbenzene | 93 | | 93 | | 50-130 | 0 | | 30 |
| 1,2-Diethylbenzene | 94 | | 93 | | 50-130 | 1 | | 30 |
| Undecane | 90 | | 89 | | 50-130 | 1 | | 30 |
| N-Pentylbenzene | 94 | | 94 | | 50-130 | 0 | | 30 |
| Dodecane (C12) | 113 | | 113 | | 50-130 | 0 | | 30 |

Lab Control Sample Analysis **Batch Quality Control**

Project Name: BISHOP LOSS OF CONTAINMENT

Lab Number: L2521788

Project Number: PROJ-054019

Report Date: 04/21/25

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
|------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|

PIANO Volatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-02 Batch: WG2054816-3 WG2054816-4

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|----------------------|--------------------------|-------------|---------------------------|-------------|--------------------------------|
| Dibromofluoromethane | 97 | | 99 | | 70-130 |
| Toluene-d8 | 95 | | 97 | | 70-130 |
| 4-Bromofluorobenzene | 102 | | 101 | | 70-130 |

Lab Duplicate Analysis

Batch Quality Control

Project Name: BISHOP LOSS OF CONTAINMENT

Project Number: PROJ-054019

Lab Number: L2521788

Report Date: 04/21/25

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---------------|------------------|-------|-----|------|------------|
| PIANO Volatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG2054816-7 QC Sample: L2521788-01 Client ID: GACO0408SC001 | | | | | | |
| Isopentane | 170 | 166 | mg/kg | 2 | | 30 |
| 1-Pentene | ND | ND | mg/kg | NC | | 30 |
| 2-Methyl-1-Butene | ND | ND | mg/kg | NC | | 30 |
| Pentane | 264 | 249 | mg/kg | 6 | | 30 |
| trans-2-Pentene | ND | ND | mg/kg | NC | | 30 |
| cis-2-Pentene | ND | ND | mg/kg | NC | | 30 |
| Tertiary Butanol | ND | ND | mg/kg | NC | | 30 |
| Cyclopentane | 40.7 | 39.8 | mg/kg | 2 | | 30 |
| 2,3-Dimethylbutane | 25.0J | 24.7J | mg/kg | NC | | 30 |
| 2-Methylpentane | 191 | 185 | mg/kg | 3 | | 30 |
| Methyl tert butyl ether | ND | ND | mg/kg | NC | | 30 |
| 3-Methylpentane | 124 | 119 | mg/kg | 4 | | 30 |
| 1-Hexene | ND | ND | mg/kg | NC | | 30 |
| n-Hexane | 410 | 406 | mg/kg | 1 | | 30 |
| Isopropyl Ether | ND | ND | mg/kg | NC | | 30 |
| Ethyl-Tert-Butyl-Ether | ND | ND | mg/kg | NC | | 30 |
| 2,2-Dimethylpentane | 9.33J | 8.49J | mg/kg | NC | | 30 |
| Methylcyclopentane | 248 | 252 | mg/kg | 2 | | 30 |
| 2,4-Dimethylpentane | 35.3J | 34.1J | mg/kg | NC | | 30 |
| 1,2-Dichloroethane | ND | ND | mg/kg | NC | | 30 |
| Cyclohexane | 332 | 331 | mg/kg | 0 | | 30 |

Lab Duplicate Analysis Batch Quality Control

Project Name: BISHOP LOSS OF CONTAINMENT

Project Number: PROJ-054019

Lab Number: L2521788

Report Date: 04/21/25

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---------------|------------------|-------|-----|------|------------|
| PIANO Volatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG2054816-7 QC Sample: L2521788-01 Client ID: GACO0408SC001 | | | | | | |
| 2-Methylhexane | 246 | 241 | mg/kg | 2 | | 30 |
| Benzene | 51.9 | 52.4 | mg/kg | 1 | | 30 |
| 2,3-Dimethylpentane | 100 | 99.6 | mg/kg | 0 | | 30 |
| Thiophene | ND | ND | mg/kg | NC | | 30 |
| 3-Methylhexane | 276 | 275 | mg/kg | 0 | | 30 |
| Tertiary-Amyl Methyl Ether | ND | ND | mg/kg | NC | | 30 |
| 1-Heptene/1,2-DMCP (trans) | 210 | 217 | mg/kg | 3 | | 30 |
| Isooctane | ND | ND | mg/kg | NC | | 30 |
| Heptane | 1050 | 1030 | mg/kg | 2 | | 30 |
| Methylcyclohexane | 1020 | 1030 | mg/kg | 1 | | 30 |
| 2,5-Dimethylhexane | 53.5 | 54.5 | mg/kg | 2 | | 30 |
| 2,4-Dimethylhexane | 86.7 | 88.8 | mg/kg | 2 | | 30 |
| 2,2,3-Trimethylpentane | 7.46J | 7.19J | mg/kg | NC | | 30 |
| 2,3,4-Trimethylpentane | 24.0J | 25.0J | mg/kg | NC | | 30 |
| 2,3,3-Trimethylpentane | 13.3J | 12.6J | mg/kg | NC | | 30 |
| 2,3-Dimethylhexane | 76.8 | 77.2 | mg/kg | 1 | | 30 |
| 2-Methylheptane | 779 | 788 | mg/kg | 1 | | 30 |
| 3-Methylheptane | 414 | 402 | mg/kg | 3 | | 30 |
| 3-Ethylhexane | 48.7 | 52.9 | mg/kg | 8 | | 30 |
| Toluene | 733 | 730 | mg/kg | 0 | | 30 |
| 2-Methylthiophene | ND | ND | mg/kg | NC | | 30 |

Lab Duplicate Analysis

Batch Quality Control

Project Name: BISHOP LOSS OF CONTAINMENT

Project Number: PROJ-054019

Lab Number: L2521788

Report Date: 04/21/25

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---------------|------------------|-------|-----|------|------------|
| PIANO Volatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG2054816-7 QC Sample: L2521788-01 Client ID: GACO0408SC001 | | | | | | |
| 3-Methylthiophene | ND | ND | mg/kg | NC | | 30 |
| 1-Octene | ND | ND | mg/kg | NC | | 30 |
| Octane | 2170 | 2100 | mg/kg | 3 | | 30 |
| 1,2-Dibromoethane | ND | ND | mg/kg | NC | | 30 |
| Ethylbenzene | 267 | 267 | mg/kg | 0 | | 30 |
| 2-Ethylthiophene | 2.86J | 3.62J | mg/kg | NC | | 30 |
| p/m-Xylene | 2130 | 2120 | mg/kg | 0 | | 30 |
| 1-Nonene | ND | ND | mg/kg | NC | | 30 |
| Nonane (C9) | 4010E | 3760E | mg/kg | 6 | | 30 |
| Styrene | ND | ND | mg/kg | NC | | 30 |
| o-Xylene | 904 | 906 | mg/kg | 0 | | 30 |
| Isopropylbenzene | 111 | 110 | mg/kg | 1 | | 30 |
| n-Propylbenzene | 349 | 348 | mg/kg | 0 | | 30 |
| 1-Methyl-3-Ethylbenzene | 886 | 877 | mg/kg | 1 | | 30 |
| 1-Methyl-4-Ethylbenzene | 362 | 361 | mg/kg | 0 | | 30 |
| 1,3,5-Trimethylbenzene | 808 | 807 | mg/kg | 0 | | 30 |
| 1-Decene | ND | ND | mg/kg | NC | | 30 |
| 1-Methyl-2-Ethylbenzene | 289 | 285 | mg/kg | 1 | | 30 |
| Decane (C10) | 6610E | 5810E | mg/kg | 13 | | 30 |
| 1,2,4-Trimethylbenzene | 2510 | 2470 | mg/kg | 2 | | 30 |
| sec-Butylbenzene | 156 | 151 | mg/kg | 3 | | 30 |

Lab Duplicate Analysis Batch Quality Control

Project Name: BISHOP LOSS OF CONTAINMENT

Project Number: PROJ-054019

Lab Number: L2521788

Report Date: 04/21/25

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---------------|------------------|-------|-----|------|------------|
| PIANO Volatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG2054816-7 QC Sample: L2521788-01 Client ID: GACO0408SC001 | | | | | | |
| 1-Methyl-3-Isopropylbenzene | 281 | 284 | mg/kg | 1 | | 30 |
| 1-Methyl-4-Isopropylbenzene | 132 | 129 | mg/kg | 2 | | 30 |
| 1-Methyl-2-Isopropylbenzene | 42.9 | 41.7 | mg/kg | 3 | | 30 |
| Indane | 43.2 | 41.3 | mg/kg | 4 | | 30 |
| 1-Methyl-3-N-Propylbenzene | 830 | 795 | mg/kg | 4 | | 30 |
| 1-Methyl-4-N-Propylbenzene | 288 | 274 | mg/kg | 5 | | 30 |
| n-Butylbenzene | 228 | 218 | mg/kg | 4 | | 30 |
| 1,2-Dimethyl-4-Ethylbenzene | 508 | 490 | mg/kg | 4 | | 30 |
| 1,2-Diethylbenzene | 33.7J | 35.7J | mg/kg | NC | | 30 |
| 1-Methyl-2-N-Propylbenzene | 347 | 335 | mg/kg | 4 | | 30 |
| 1,4-Dimethyl-2-Ethylbenzene | 309 | 296 | mg/kg | 4 | | 30 |
| Undecane | 7650E | 6420E | mg/kg | 17 | | 30 |
| 1,3-Dimethyl-4-Ethylbenzene | 296 | 286 | mg/kg | 3 | | 30 |
| 1,3-Dimethyl-5-Ethylbenzene | 514 | 500 | mg/kg | 3 | | 30 |
| 1,3-Dimethyl-2-Ethylbenzene | ND | ND | mg/kg | NC | | 30 |
| 1,2-Dimethyl-3-Ethylbenzene | 112 | 108 | mg/kg | 4 | | 30 |
| 1,2,4,5-Tetramethylbenzene | 270 | 267 | mg/kg | 1 | | 30 |
| N-Pentylbenzene | 32.5J | 26.7J | mg/kg | NC | | 30 |
| Dodecane (C12) | 7870E | 6370E | mg/kg | 21 | | 30 |
| Naphthalene | 374 | 366 | mg/kg | 2 | | 30 |
| Benzothiophene | ND | ND | mg/kg | NC | | 30 |

Lab Duplicate Analysis

Batch Quality Control

Project Name: BISHOP LOSS OF CONTAINMENT

Project Number: PROJ-054019

Lab Number: L2521788

Report Date: 04/21/25

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---------------|------------------|-------|-----|------|------------|
| PIANO Volatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG2054816-7 QC Sample: L2521788-01 Client ID: GACO0408SC001 | | | | | | |
| MMT | ND | ND | mg/kg | NC | | 30 |
| Tridecane | 7140E | 6020E | mg/kg | 17 | | 30 |
| 2-Methylnaphthalene | 1660 | 1580 | mg/kg | 5 | | 30 |
| 1-Methylnaphthalene | 957 | 903 | mg/kg | 6 | | 30 |

| Surrogate | %Recovery | Qualifier | %Recovery | Qualifier | Acceptance Criteria |
|----------------------|-----------|-----------|-----------|-----------|---------------------|
| Dibromofluoromethane | 85 | | 87 | | 70-130 |
| Toluene-d8 | 94 | | 95 | | 70-130 |
| 4-Bromofluorobenzene | 106 | | 104 | | 70-130 |

Lab Duplicate Analysis **Batch Quality Control**

Project Name: BISHOP LOSS OF CONTAINMENT

Project Number: PROJ-054019

Lab Number: L2521788

Report Date: 04/21/25

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---------------|------------------|-------|-----|------|------------|
| PIANO Volatile Organics by GC/MS - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG2054816-7 QC Sample: L2521788-01 Client ID: GACO0408SC001 | | | | | | |
| Nonane (C9) | 3760 | 3880 | mg/kg | 3 | | 30 |
| Decane (C10) | 6900 | 7260 | mg/kg | 5 | | 30 |
| Undecane | 7350 | 7950 | mg/kg | 8 | | 30 |
| Dodecane (C12) | 6780 | 7460 | mg/kg | 10 | | 30 |
| Tridecane | 6400 | 7150 | mg/kg | 11 | | 30 |

| Surrogate | %Recovery | Qualifier | %Recovery | Qualifier | Acceptance Criteria |
|----------------------|-----------|-----------|-----------|-----------|---------------------|
| Dibromofluoromethane | 86 | | 87 | | 70-130 |
| Toluene-d8 | 93 | | 96 | | 70-130 |
| 4-Bromofluorobenzene | 103 | | 104 | | 70-130 |

SEMIVOLATILES

Project Name: BISHOP LOSS OF CONTAINMENT**Lab Number:** L2521788**Project Number:** PROJ-054019**Report Date:** 04/21/25**SAMPLE RESULTS**

Lab ID: L2521788-01
 Client ID: GACO0408SC001
 Sample Location: Not Specified

Date Collected: 04/08/25 13:51
 Date Received: 04/10/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Oil
 Analytical Method: 1,8270E-SIM(M)
 Analytical Date: 04/16/25 18:17
 Analyst: CNC
 Percent Solids: Results reported on an 'AS RECEIVED' basis.

Extraction Method: EPA 3580A
 Extraction Date: 04/16/25 07:50

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|-------|-------|-----------------|
| Alkylated PAHs/Biomarkers by GC/MS - Mansfield Lab | | | | | | |
| Cis/Trans-Decalin | 390 | | mg/kg | 0.946 | 0.713 | 1 |
| C1-Decalins | 657 | | mg/kg | 1.89 | 0.713 | 1 |
| C2-Decalins | 767 | | mg/kg | 1.89 | 0.713 | 1 |
| C3-Decalins | 466 | | mg/kg | 1.89 | 0.713 | 1 |
| C4-Decalins | 490 | | mg/kg | 1.89 | 0.713 | 1 |
| Naphthalene | 338 | | mg/kg | 1.89 | 0.816 | 1 |
| C1-Naphthalenes | 1350 | | mg/kg | 1.89 | 0.816 | 1 |
| C2-Naphthalenes | 1850 | | mg/kg | 1.89 | 0.816 | 1 |
| C3-Naphthalenes | 1020 | | mg/kg | 1.89 | 0.816 | 1 |
| C4-Naphthalenes | 356 | | mg/kg | 1.89 | 0.816 | 1 |
| 2-Methylnaphthalene | 1380 | | mg/kg | 1.89 | 0.732 | 1 |
| 1-Methylnaphthalene | 813 | | mg/kg | 1.89 | 0.894 | 1 |
| Benzothiophene | 4.77 | | mg/kg | 1.89 | 0.889 | 1 |
| C1-Benzo(b)thiophenes | 18.3 | | mg/kg | 1.89 | 0.889 | 1 |
| C2-Benzo(b)thiophenes | 8.79 | | mg/kg | 1.89 | 0.889 | 1 |
| C3-Benzo(b)thiophenes | ND | | mg/kg | 1.89 | 0.889 | 1 |
| C4-Benzo(b)thiophenes | ND | | mg/kg | 1.89 | 0.889 | 1 |
| Biphenyl | 336 | | mg/kg | 1.89 | 0.877 | 1 |
| 2,6-Dimethylnaphthalene | 1230 | | mg/kg | 1.89 | 0.674 | 1 |
| Dibenzofuran | 8.74 | | mg/kg | 1.89 | 0.894 | 1 |
| Acenaphthylene | 5.97 | | mg/kg | 1.89 | 0.542 | 1 |
| Acenaphthene | 43.8 | G | mg/kg | 1.89 | 0.500 | 1 |
| 2,3,5-Trimethylnaphthalene | 185 | | mg/kg | 1.89 | 0.464 | 1 |
| Fluorene | 116 | | mg/kg | 1.89 | 0.757 | 1 |
| C1-Fluorenes | 295 | | mg/kg | 1.89 | 0.757 | 1 |
| C2-Fluorenes | 417 | | mg/kg | 1.89 | 0.757 | 1 |
| C3-Fluorenes | 296 | | mg/kg | 1.89 | 0.757 | 1 |
| Dibenzothiophene | 21.8 | | mg/kg | 1.89 | 0.782 | 1 |

Project Name: BISHOP LOSS OF CONTAINMENT**Lab Number:** L2521788**Project Number:** PROJ-054019**Report Date:** 04/21/25**SAMPLE RESULTS**

Lab ID: L2521788-01
 Client ID: GACO0408SC001
 Sample Location: Not Specified

Date Collected: 04/08/25 13:51
 Date Received: 04/10/25
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|-------|-----------------|
| Alkylated PAHs/Biomarkers by GC/MS - Mansfield Lab | | | | | | |
| 4-Methyldibenzothiophene(4MDT) | 97.0 | | mg/kg | 1.89 | 0.782 | 1 |
| 2/3-Methyldibenzothiophene(2MDT) | 14.9 | | mg/kg | 1.89 | 0.782 | 1 |
| 1-Methyldibenzothiophene(1MDT) | 3.06 | | mg/kg | 1.89 | 0.782 | 1 |
| C1-Dibenzothiophenes | 123 | | mg/kg | 1.89 | 0.782 | 1 |
| C2-Dibenzothiophenes | 277 | | mg/kg | 1.89 | 0.782 | 1 |
| C3-Dibenzothiophenes | 190 | | mg/kg | 1.89 | 0.782 | 1 |
| C4-Dibenzothiophenes | 76.6 | | mg/kg | 1.89 | 0.782 | 1 |
| Phenanthrene | 163 | | mg/kg | 1.89 | 0.940 | 1 |
| 3-Methylphenanthrene (3MP) | 114 | | mg/kg | 1.89 | 0.940 | 1 |
| 2-Methylphenanthrene (2MP) | 135 | | mg/kg | 1.89 | 0.940 | 1 |
| 2-Methylantracene (2MA) | 2.73 | | mg/kg | 1.89 | 0.940 | 1 |
| 9/4-Methylphenanthrene (9MP) | 123 | | mg/kg | 1.89 | 0.940 | 1 |
| 1-Methylphenanthrene (1MP) | 93.1 | | mg/kg | 1.89 | 0.940 | 1 |
| C1-Phenanthrenes/Anthracenes | 475 | | mg/kg | 1.89 | 0.940 | 1 |
| C2-Phenanthrenes/Anthracenes | 541 | | mg/kg | 1.89 | 0.940 | 1 |
| C3-Phenanthrenes/Anthracenes | 267 | | mg/kg | 1.89 | 0.940 | 1 |
| C4-Phenanthrenes/Anthracenes | 103 | | mg/kg | 1.89 | 0.940 | 1 |
| Retene | ND | | mg/kg | 1.89 | 0.696 | 1 |
| Anthracene | 6.07 | | mg/kg | 1.89 | 0.585 | 1 |
| Carbazole | 6.83 | | mg/kg | 1.89 | 0.928 | 1 |
| Fluoranthene | ND | | mg/kg | 1.89 | 0.902 | 1 |
| Benzo(b)fluorene | 3.77 | | mg/kg | 1.89 | 0.822 | 1 |
| Pyrene | 8.48 | | mg/kg | 1.89 | 0.746 | 1 |
| C1-Fluoranthenes/Pyrenes | 45.5 | | mg/kg | 1.89 | 0.746 | 1 |
| C2-Fluoranthenes/Pyrenes | 62.3 | | mg/kg | 1.89 | 0.746 | 1 |
| C3-Fluoranthenes/Pyrenes | 83.2 | | mg/kg | 1.89 | 0.746 | 1 |
| C4-Fluoranthenes/Pyrenes | 74.4 | | mg/kg | 1.89 | 0.746 | 1 |
| Naphthobenzothiophene | 6.71 | | mg/kg | 1.89 | 0.794 | 1 |
| C1-Naphthobenzothiophenes | 36.4 | | mg/kg | 1.89 | 0.794 | 1 |
| C2-Naphthobenzothiophenes | 67.8 | | mg/kg | 1.89 | 0.794 | 1 |
| C3-Naphthobenzothiophenes | 48.8 | | mg/kg | 1.89 | 0.794 | 1 |
| C4-Naphthobenzothiophenes | 32.5 | | mg/kg | 1.89 | 0.794 | 1 |
| Benz(a)anthracene | 1.43 | J | mg/kg | 1.89 | 0.579 | 1 |
| Chrysene/Triphenylene | 28.3 | | mg/kg | 1.89 | 0.574 | 1 |
| C1-Chrysenes | 80.3 | | mg/kg | 1.89 | 0.574 | 1 |
| C2-Chrysenes | 103 | | mg/kg | 1.89 | 0.574 | 1 |
| C3-Chrysenes | 81.6 | | mg/kg | 1.89 | 0.384 | 1 |



Project Name: BISHOP LOSS OF CONTAINMENT**Lab Number:** L2521788**Project Number:** PROJ-054019**Report Date:** 04/21/25**SAMPLE RESULTS**

Lab ID: L2521788-01
 Client ID: GACO0408SC001
 Sample Location: Not Specified

Date Collected: 04/08/25 13:51
 Date Received: 04/10/25
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|-------|-----------------|
| Alkylated PAHs/Biomarkers by GC/MS - Mansfield Lab | | | | | | |
| C4-Chrysenes | 52.7 | | mg/kg | 1.89 | 0.574 | 1 |
| Benzo(b)fluoranthene | 1.37 | J | mg/kg | 1.89 | 0.738 | 1 |
| Benzo(j)+(k)Fluoranthene | ND | | mg/kg | 1.89 | 0.563 | 1 |
| Benzo(a)fluoranthene | ND | | mg/kg | 1.89 | 0.563 | 1 |
| Benzo(e)Pyrene | 6.01 | | mg/kg | 1.89 | 0.586 | 1 |
| Benzo(a)pyrene | 2.79 | | mg/kg | 1.89 | 0.810 | 1 |
| Perylene | 2.25 | | mg/kg | 1.89 | 0.548 | 1 |
| Indeno(1,2,3-cd)Pyrene | ND | | mg/kg | 1.89 | 0.770 | 1 |
| Dibenz(a,h)+(a,c)anthracene | 0.861 | J | mg/kg | 1.89 | 0.767 | 1 |
| Benzo(ghi)perylene | 0.461 | J | mg/kg | 1.89 | 0.754 | 1 |
| Hopane (T19) | ND | | mg/kg | 1.89 | 0.808 | 1 |
| C23 Tricyclic Terpane (T4) | ND | | mg/kg | 1.89 | 0.808 | 1 |
| C24 Tricyclic Terpane (T5) | ND | | mg/kg | 1.89 | 0.808 | 1 |
| C25 Tricyclic Terpane (T6) | ND | | mg/kg | 1.89 | 0.808 | 1 |
| C24 Tetracyclic Terpane (T6a) | ND | | mg/kg | 1.89 | 0.808 | 1 |
| C26 Tricyclic Terpane-22S (T6b) | ND | | mg/kg | 1.89 | 0.808 | 1 |
| C26 Tricyclic Terpane-22R (T6c) | ND | | mg/kg | 1.89 | 0.808 | 1 |
| C28 Tricyclic Terpane-22S (T7) | ND | | mg/kg | 1.89 | 0.808 | 1 |
| C28 Tricyclic Terpane-22R (T8) | ND | | mg/kg | 1.89 | 0.808 | 1 |
| C29 Tricyclic Terpane-22S (T9) | ND | | mg/kg | 1.89 | 0.808 | 1 |
| C29 Tricyclic Terpane-22R (T10) | ND | | mg/kg | 1.89 | 0.808 | 1 |
| 18a-22,29,30-Trisnorhopane-TS (T11) | ND | | mg/kg | 1.89 | 0.808 | 1 |
| C30 Tricyclic Terpane-22S | ND | | mg/kg | 1.89 | 0.808 | 1 |
| C30 Tricyclic Terpane-22R | ND | | mg/kg | 1.89 | 0.808 | 1 |
| 17a(H)-22,29,30-Trisnorhopane-TM (T12) | ND | | mg/kg | 1.89 | 0.808 | 1 |
| 17a/b,21b/a 28,30-Bisnorhopane (T14a) | ND | | mg/kg | 1.89 | 0.808 | 1 |
| 17a(H),21b(H)-25-Norhopane (T14b) | ND | | mg/kg | 1.89 | 0.808 | 1 |
| 30-Norhopane (T15) | ND | | mg/kg | 1.89 | 0.808 | 1 |
| 18a(H)-30-Norneohopane-C29Ts (T16) | ND | | mg/kg | 1.89 | 0.808 | 1 |
| 17a(H)-Diahopane (X) | ND | | mg/kg | 1.89 | 0.808 | 1 |
| 30-Normoretane (T17) | ND | | mg/kg | 1.89 | 0.808 | 1 |
| 18a(H)&18b(H)-Oleananes (T18) | ND | | mg/kg | 1.89 | 0.808 | 1 |
| Moretane (T20) | ND | | mg/kg | 1.89 | 0.808 | 1 |
| 30-Homohopane-22S (T21) | ND | | mg/kg | 1.89 | 0.808 | 1 |
| 30-Homohopane-22R (T22) | ND | | mg/kg | 1.89 | 0.808 | 1 |
| Gammacerane/C32-Diahopane | ND | | mg/kg | 1.89 | 0.808 | 1 |
| 30,31-Bishomohopane-22S (T26) | ND | | mg/kg | 1.89 | 0.808 | 1 |



Project Name: BISHOP LOSS OF CONTAINMENT**Lab Number:** L2521788**Project Number:** PROJ-054019**Report Date:** 04/21/25**SAMPLE RESULTS**

Lab ID: L2521788-01
 Client ID: GACO0408SC001
 Sample Location: Not Specified

Date Collected: 04/08/25 13:51
 Date Received: 04/10/25
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|-------|-----------------|
| Alkylated PAHs/Biomarkers by GC/MS - Mansfield Lab | | | | | | |
| 30,31-Bishomohopane-22R (T27) | ND | | mg/kg | 1.89 | 0.808 | 1 |
| 30,31-Trishomohopane-22S (T30) | ND | | mg/kg | 1.89 | 0.808 | 1 |
| 30,31-Trishomohopane-22R (T31) | ND | | mg/kg | 1.89 | 0.808 | 1 |
| Tetrakishomohopane-22S (T32) | ND | | mg/kg | 1.89 | 0.808 | 1 |
| Tetrakishomohopane-22R (T33) | ND | | mg/kg | 1.89 | 0.808 | 1 |
| Pentakishomohopane-22S (T34) | ND | | mg/kg | 1.89 | 0.808 | 1 |
| Pentakishomohopane-22R (T35) | ND | | mg/kg | 1.89 | 0.808 | 1 |
| 13b(H),17a(H)-20S-Diacholestane (S4) | 27.2 | | mg/kg | 1.89 | 0.630 | 1 |
| 13b(H),17a(H)-20R-Diacholestane (S5) | 17.0 | | mg/kg | 1.89 | 0.630 | 1 |
| 13b,17a-20S-Methyldiacholestane (S8) | 19.3 | | mg/kg | 1.89 | 0.630 | 1 |
| 17a(H)20SC27/C29dia | 21.1 | | mg/kg | 1.89 | 0.630 | 1 |
| 17a(H)20rc27/C29dia | 15.8 | | mg/kg | 1.89 | 0.630 | 1 |
| Unknown Sterane (S18) | ND | | mg/kg | 1.89 | 0.630 | 1 |
| 13a,17b-20S-Ethyldiacholestane (S19) | ND | | mg/kg | 1.89 | 0.630 | 1 |
| 14a,17a-20S-Methylcholestane (S20) | 7.80 | | mg/kg | 1.89 | 0.630 | 1 |
| 14a,17a-20R-Methylcholestane (S24) | ND | | mg/kg | 1.89 | 0.630 | 1 |
| 14a(H),17a(H)-20S-Ethylcholestane (S25) | ND | | mg/kg | 1.89 | 0.630 | 1 |
| 14a(H),17a(H)-20R-Ethylcholestane (S28) | ND | | mg/kg | 1.89 | 0.630 | 1 |
| 14b(H),17b(H)-20R-Cholestane (S14) | 5.56 | | mg/kg | 1.89 | 0.630 | 1 |
| 14b(H),17b(H)-20S-Cholestane (S15) | 5.63 | | mg/kg | 1.89 | 0.630 | 1 |
| 14b,17b-20R-Methylcholestane (S22) | 5.54 | | mg/kg | 1.89 | 0.630 | 1 |
| 14b,17b-20S-Methylcholestane (S23) | 5.34 | | mg/kg | 1.89 | 0.630 | 1 |
| 14b(H),17b(H)-20R-Ethylcholestane (S26) | 5.88 | | mg/kg | 1.89 | 0.630 | 1 |
| 14b(H),17b(H)-20S-Ethylcholestane (S27) | 4.60 | | mg/kg | 1.89 | 0.630 | 1 |
| C26,20R+C27,20S TAS | ND | | mg/kg | 1.89 | 0.630 | 1 |
| C28,20S TAS | ND | | mg/kg | 1.89 | 0.630 | 1 |
| C27,20R TAS | ND | | mg/kg | 1.89 | 0.630 | 1 |
| C28,20R TAS | ND | | mg/kg | 1.89 | 0.630 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|--------------------|------------|-----------|---------------------|
| Naphthalene-d8 | 97 | | 50-130 |
| Phenanthrene-d10 | 98 | | 50-130 |
| Benzo(a)pyrene-d12 | 111 | | 50-130 |

Project Name: BISHOP LOSS OF CONTAINMENT**Lab Number:** L2521788**Project Number:** PROJ-054019**Report Date:** 04/21/25**SAMPLE RESULTS**

Lab ID: L2521788-02
 Client ID: GACO0408SC002
 Sample Location: Not Specified

Date Collected: 04/08/25 13:53
 Date Received: 04/10/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Oil
 Analytical Method: 1,8270E-SIM(M)
 Analytical Date: 04/16/25 21:06
 Analyst: CNC
 Percent Solids: Results reported on an 'AS RECEIVED' basis.

Extraction Method: EPA 3580A
 Extraction Date: 04/16/25 07:50

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|-------|-------|-----------------|
| Alkylated PAHs/Biomarkers by GC/MS - Mansfield Lab | | | | | | |
| Cis/Trans-Decalin | 338 | | mg/kg | 0.733 | 0.552 | 1 |
| C1-Decalins | 597 | | mg/kg | 1.46 | 0.552 | 1 |
| C2-Decalins | 703 | | mg/kg | 1.46 | 0.552 | 1 |
| C3-Decalins | 440 | | mg/kg | 1.46 | 0.552 | 1 |
| C4-Decalins | 479 | | mg/kg | 1.46 | 0.552 | 1 |
| Naphthalene | 315 | | mg/kg | 1.46 | 0.632 | 1 |
| C1-Naphthalenes | 1300 | | mg/kg | 1.46 | 0.632 | 1 |
| C2-Naphthalenes | 1830 | | mg/kg | 1.46 | 0.632 | 1 |
| C3-Naphthalenes | 1010 | | mg/kg | 1.46 | 0.632 | 1 |
| C4-Naphthalenes | 355 | | mg/kg | 1.46 | 0.632 | 1 |
| 2-Methylnaphthalene | 1340 | | mg/kg | 1.46 | 0.567 | 1 |
| 1-Methylnaphthalene | 784 | | mg/kg | 1.46 | 0.692 | 1 |
| Benzothiophene | 5.05 | | mg/kg | 1.46 | 0.688 | 1 |
| C1-Benzo(b)thiophenes | 18.5 | | mg/kg | 1.46 | 0.688 | 1 |
| C2-Benzo(b)thiophenes | 8.89 | | mg/kg | 1.46 | 0.688 | 1 |
| C3-Benzo(b)thiophenes | ND | | mg/kg | 1.46 | 0.688 | 1 |
| C4-Benzo(b)thiophenes | ND | | mg/kg | 1.46 | 0.688 | 1 |
| Biphenyl | 324 | | mg/kg | 1.46 | 0.679 | 1 |
| 2,6-Dimethylnaphthalene | 1220 | | mg/kg | 1.46 | 0.522 | 1 |
| Dibenzofuran | 7.99 | | mg/kg | 1.46 | 0.692 | 1 |
| Acenaphthylene | 5.78 | | mg/kg | 1.46 | 0.419 | 1 |
| Acenaphthene | 45.1 | G | mg/kg | 1.46 | 0.387 | 1 |
| 2,3,5-Trimethylnaphthalene | 170 | | mg/kg | 1.46 | 0.359 | 1 |
| Fluorene | 118 | | mg/kg | 1.46 | 0.586 | 1 |
| C1-Fluorenes | 297 | | mg/kg | 1.46 | 0.586 | 1 |
| C2-Fluorenes | 419 | | mg/kg | 1.46 | 0.586 | 1 |
| C3-Fluorenes | 291 | | mg/kg | 1.46 | 0.586 | 1 |
| Dibenzothiophene | 22.1 | | mg/kg | 1.46 | 0.606 | 1 |

Project Name: BISHOP LOSS OF CONTAINMENT**Lab Number:** L2521788**Project Number:** PROJ-054019**Report Date:** 04/21/25**SAMPLE RESULTS**

Lab ID: L2521788-02
 Client ID: GACO0408SC002
 Sample Location: Not Specified

Date Collected: 04/08/25 13:53
 Date Received: 04/10/25
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|-------|-----------------|
| Alkylated PAHs/Biomarkers by GC/MS - Mansfield Lab | | | | | | |
| 4-Methyldibenzothiophene(4MDT) | 97.0 | | mg/kg | 1.46 | 0.606 | 1 |
| 2/3-Methyldibenzothiophene(2MDT) | 17.2 | | mg/kg | 1.46 | 0.606 | 1 |
| 1-Methyldibenzothiophene(1MDT) | 2.84 | | mg/kg | 1.46 | 0.606 | 1 |
| C1-Dibenzothiophenes | 120 | | mg/kg | 1.46 | 0.606 | 1 |
| C2-Dibenzothiophenes | 277 | | mg/kg | 1.46 | 0.606 | 1 |
| C3-Dibenzothiophenes | 190 | | mg/kg | 1.46 | 0.606 | 1 |
| C4-Dibenzothiophenes | 75.6 | | mg/kg | 1.46 | 0.606 | 1 |
| Phenanthrene | 163 | | mg/kg | 1.46 | 0.728 | 1 |
| 3-Methylphenanthrene (3MP) | 115 | | mg/kg | 1.46 | 0.728 | 1 |
| 2-Methylphenanthrene (2MP) | 134 | | mg/kg | 1.46 | 0.728 | 1 |
| 2-Methylantracene (2MA) | 2.43 | | mg/kg | 1.46 | 0.728 | 1 |
| 9/4-Methylphenanthrene (9MP) | 123 | | mg/kg | 1.46 | 0.728 | 1 |
| 1-Methylphenanthrene (1MP) | 92.4 | | mg/kg | 1.46 | 0.728 | 1 |
| C1-Phenanthrenes/Anthracenes | 477 | | mg/kg | 1.46 | 0.728 | 1 |
| C2-Phenanthrenes/Anthracenes | 535 | | mg/kg | 1.46 | 0.728 | 1 |
| C3-Phenanthrenes/Anthracenes | 265 | | mg/kg | 1.46 | 0.728 | 1 |
| C4-Phenanthrenes/Anthracenes | 101 | | mg/kg | 1.46 | 0.728 | 1 |
| Retene | ND | | mg/kg | 1.46 | 0.539 | 1 |
| Anthracene | 5.78 | | mg/kg | 1.46 | 0.453 | 1 |
| Carbazole | 5.83 | | mg/kg | 1.46 | 0.719 | 1 |
| Fluoranthene | ND | | mg/kg | 1.46 | 0.698 | 1 |
| Benzo(b)fluorene | 3.78 | | mg/kg | 1.46 | 0.637 | 1 |
| Pyrene | 8.42 | | mg/kg | 1.46 | 0.578 | 1 |
| C1-Fluoranthenes/Pyrenes | 44.2 | | mg/kg | 1.46 | 0.578 | 1 |
| C2-Fluoranthenes/Pyrenes | 60.1 | | mg/kg | 1.46 | 0.578 | 1 |
| C3-Fluoranthenes/Pyrenes | 81.2 | | mg/kg | 1.46 | 0.578 | 1 |
| C4-Fluoranthenes/Pyrenes | 73.6 | | mg/kg | 1.46 | 0.578 | 1 |
| Naphthobenzothiophene | 7.26 | | mg/kg | 1.46 | 0.615 | 1 |
| C1-Naphthobenzothiophenes | 36.6 | | mg/kg | 1.46 | 0.615 | 1 |
| C2-Naphthobenzothiophenes | 66.3 | | mg/kg | 1.46 | 0.615 | 1 |
| C3-Naphthobenzothiophenes | 51.1 | | mg/kg | 1.46 | 0.615 | 1 |
| C4-Naphthobenzothiophenes | 32.2 | | mg/kg | 1.46 | 0.615 | 1 |
| Benz(a)anthracene | 1.10 | J | mg/kg | 1.46 | 0.448 | 1 |
| Chrysene/Triphenylene | 27.9 | | mg/kg | 1.46 | 0.444 | 1 |
| C1-Chrysenes | 81.3 | | mg/kg | 1.46 | 0.444 | 1 |
| C2-Chrysenes | 101 | | mg/kg | 1.46 | 0.444 | 1 |
| C3-Chrysenes | 92.0 | | mg/kg | 1.46 | 0.298 | 1 |



Project Name: BISHOP LOSS OF CONTAINMENT**Lab Number:** L2521788**Project Number:** PROJ-054019**Report Date:** 04/21/25**SAMPLE RESULTS**

Lab ID: L2521788-02
 Client ID: GACO0408SC002
 Sample Location: Not Specified

Date Collected: 04/08/25 13:53
 Date Received: 04/10/25
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|-------|-----------------|
| Alkylated PAHs/Biomarkers by GC/MS - Mansfield Lab | | | | | | |
| C4-Chrysenes | 58.8 | | mg/kg | 1.46 | 0.444 | 1 |
| Benzo(b)fluoranthene | 1.41 | J | mg/kg | 1.46 | 0.572 | 1 |
| Benzo(j)+(k)Fluoranthene | ND | | mg/kg | 1.46 | 0.436 | 1 |
| Benzo(a)fluoranthene | ND | | mg/kg | 1.46 | 0.436 | 1 |
| Benzo(e)Pyrene | 6.59 | | mg/kg | 1.46 | 0.453 | 1 |
| Benzo(a)pyrene | 2.67 | | mg/kg | 1.46 | 0.627 | 1 |
| Perylene | 1.73 | | mg/kg | 1.46 | 0.424 | 1 |
| Indeno(1,2,3-cd)Pyrene | ND | | mg/kg | 1.46 | 0.596 | 1 |
| Dibenz(a,h)+(a,c)anthracene | ND | | mg/kg | 1.46 | 0.594 | 1 |
| Benzo(ghi)perylene | ND | | mg/kg | 1.46 | 0.584 | 1 |
| Hopane (T19) | ND | | mg/kg | 1.46 | 0.625 | 1 |
| C23 Tricyclic Terpane (T4) | ND | | mg/kg | 1.46 | 0.625 | 1 |
| C24 Tricyclic Terpane (T5) | ND | | mg/kg | 1.46 | 0.625 | 1 |
| C25 Tricyclic Terpane (T6) | ND | | mg/kg | 1.46 | 0.625 | 1 |
| C24 Tetracyclic Terpane (T6a) | ND | | mg/kg | 1.46 | 0.625 | 1 |
| C26 Tricyclic Terpane-22S (T6b) | ND | | mg/kg | 1.46 | 0.625 | 1 |
| C26 Tricyclic Terpane-22R (T6c) | ND | | mg/kg | 1.46 | 0.625 | 1 |
| C28 Tricyclic Terpane-22S (T7) | ND | | mg/kg | 1.46 | 0.625 | 1 |
| C28 Tricyclic Terpane-22R (T8) | ND | | mg/kg | 1.46 | 0.625 | 1 |
| C29 Tricyclic Terpane-22S (T9) | ND | | mg/kg | 1.46 | 0.625 | 1 |
| C29 Tricyclic Terpane-22R (T10) | ND | | mg/kg | 1.46 | 0.625 | 1 |
| 18a-22,29,30-Trisnorhopane-TS (T11) | ND | | mg/kg | 1.46 | 0.625 | 1 |
| C30 Tricyclic Terpane-22S | ND | | mg/kg | 1.46 | 0.625 | 1 |
| C30 Tricyclic Terpane-22R | ND | | mg/kg | 1.46 | 0.625 | 1 |
| 17a(H)-22,29,30-Trisnorhopane-TM (T12) | ND | | mg/kg | 1.46 | 0.625 | 1 |
| 17a/b,21b/a 28,30-Bisnorhopane (T14a) | ND | | mg/kg | 1.46 | 0.625 | 1 |
| 17a(H),21b(H)-25-Norhopane (T14b) | ND | | mg/kg | 1.46 | 0.625 | 1 |
| 30-Norhopane (T15) | ND | | mg/kg | 1.46 | 0.625 | 1 |
| 18a(H)-30-Norneohopane-C29Ts (T16) | ND | | mg/kg | 1.46 | 0.625 | 1 |
| 17a(H)-Diahopane (X) | ND | | mg/kg | 1.46 | 0.625 | 1 |
| 30-Normoretane (T17) | ND | | mg/kg | 1.46 | 0.625 | 1 |
| 18a(H)&18b(H)-Oleananes (T18) | ND | | mg/kg | 1.46 | 0.625 | 1 |
| Moretane (T20) | ND | | mg/kg | 1.46 | 0.625 | 1 |
| 30-Homohopane-22S (T21) | ND | | mg/kg | 1.46 | 0.625 | 1 |
| 30-Homohopane-22R (T22) | ND | | mg/kg | 1.46 | 0.625 | 1 |
| Gammacerane/C32-Diahopane | ND | | mg/kg | 1.46 | 0.625 | 1 |
| 30,31-Bishomohopane-22S (T26) | ND | | mg/kg | 1.46 | 0.625 | 1 |



Project Name: BISHOP LOSS OF CONTAINMENT**Lab Number:** L2521788**Project Number:** PROJ-054019**Report Date:** 04/21/25**SAMPLE RESULTS**

Lab ID: L2521788-02
 Client ID: GACO0408SC002
 Sample Location: Not Specified

Date Collected: 04/08/25 13:53
 Date Received: 04/10/25
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|-------|-----------------|
| Alkylated PAHs/Biomarkers by GC/MS - Mansfield Lab | | | | | | |
| 30,31-Bishomohopane-22R (T27) | ND | | mg/kg | 1.46 | 0.625 | 1 |
| 30,31-Trishomohopane-22S (T30) | ND | | mg/kg | 1.46 | 0.625 | 1 |
| 30,31-Trishomohopane-22R (T31) | ND | | mg/kg | 1.46 | 0.625 | 1 |
| Tetrakishomohopane-22S (T32) | ND | | mg/kg | 1.46 | 0.625 | 1 |
| Tetrakishomohopane-22R (T33) | ND | | mg/kg | 1.46 | 0.625 | 1 |
| Pentakishomohopane-22S (T34) | ND | | mg/kg | 1.46 | 0.625 | 1 |
| Pentakishomohopane-22R (T35) | ND | | mg/kg | 1.46 | 0.625 | 1 |
| 13b(H),17a(H)-20S-Diacholestane (S4) | 31.4 | | mg/kg | 1.46 | 0.488 | 1 |
| 13b(H),17a(H)-20R-Diacholestane (S5) | 17.9 | | mg/kg | 1.46 | 0.488 | 1 |
| 13b,17a-20S-Methyldiacholestane (S8) | 21.6 | | mg/kg | 1.46 | 0.488 | 1 |
| 17a(H)20SC27/C29dia | 18.6 | | mg/kg | 1.46 | 0.488 | 1 |
| 17a(H)20rc27/C29dia | 17.1 | | mg/kg | 1.46 | 0.488 | 1 |
| Unknown Sterane (S18) | 11.0 | | mg/kg | 1.46 | 0.488 | 1 |
| 13a,17b-20S-Ethyldiacholestane (S19) | ND | | mg/kg | 1.46 | 0.488 | 1 |
| 14a,17a-20S-Methylcholestane (S20) | 6.40 | | mg/kg | 1.46 | 0.488 | 1 |
| 14a,17a-20R-Methylcholestane (S24) | ND | | mg/kg | 1.46 | 0.488 | 1 |
| 14a(H),17a(H)-20S-Ethylcholestane (S25) | ND | | mg/kg | 1.46 | 0.488 | 1 |
| 14a(H),17a(H)-20R-Ethylcholestane (S28) | ND | | mg/kg | 1.46 | 0.488 | 1 |
| 14b(H),17b(H)-20R-Cholestane (S14) | 3.99 | | mg/kg | 1.46 | 0.488 | 1 |
| 14b(H),17b(H)-20S-Cholestane (S15) | 5.74 | | mg/kg | 1.46 | 0.488 | 1 |
| 14b,17b-20R-Methylcholestane (S22) | 5.49 | | mg/kg | 1.46 | 0.488 | 1 |
| 14b,17b-20S-Methylcholestane (S23) | 7.11 | | mg/kg | 1.46 | 0.488 | 1 |
| 14b(H),17b(H)-20R-Ethylcholestane (S26) | 4.25 | | mg/kg | 1.46 | 0.488 | 1 |
| 14b(H),17b(H)-20S-Ethylcholestane (S27) | 5.12 | | mg/kg | 1.46 | 0.488 | 1 |
| C26,20R+C27,20S TAS | ND | | mg/kg | 1.46 | 0.488 | 1 |
| C28,20S TAS | ND | | mg/kg | 1.46 | 0.488 | 1 |
| C27,20R TAS | ND | | mg/kg | 1.46 | 0.488 | 1 |
| C28,20R TAS | ND | | mg/kg | 1.46 | 0.488 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|--------------------|------------|-----------|---------------------|
| Naphthalene-d8 | 94 | | 50-130 |
| Phenanthrene-d10 | 95 | | 50-130 |
| Benzo(a)pyrene-d12 | 110 | | 50-130 |

Project Name: BISHOP LOSS OF CONTAINMENT
Project Number: PROJ-054019

Lab Number: L2521788
Report Date: 04/21/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E-SIM(M)
 Analytical Date: 04/16/25 14:04
 Analyst: CNC

Extraction Method: EPA 3580A
 Extraction Date: 04/16/25 07:50

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|-------|-------|
| Alkylated PAHs/Biomarkers by GC/MS - Mansfield Lab for sample(s): 01-02 Batch: WG2054480-1 | | | | | |
| Cis/Trans-Decalin | ND | | mg/kg | 0.826 | 0.622 |
| C1-Decalins | ND | | mg/kg | 1.65 | 0.622 |
| C2-Decalins | ND | | mg/kg | 1.65 | 0.622 |
| C3-Decalins | ND | | mg/kg | 1.65 | 0.622 |
| C4-Decalins | ND | | mg/kg | 1.65 | 0.622 |
| Naphthalene | ND | | mg/kg | 1.65 | 0.712 |
| C1-Naphthalenes | ND | | mg/kg | 1.65 | 0.712 |
| C2-Naphthalenes | ND | | mg/kg | 1.65 | 0.712 |
| C3-Naphthalenes | ND | | mg/kg | 1.65 | 0.712 |
| C4-Naphthalenes | ND | | mg/kg | 1.65 | 0.712 |
| 2-Methylnaphthalene | ND | | mg/kg | 1.65 | 0.639 |
| 1-Methylnaphthalene | ND | | mg/kg | 1.65 | 0.780 |
| Benzothiophene | ND | | mg/kg | 1.65 | 0.776 |
| C1-Benzo(b)thiophenes | ND | | mg/kg | 1.65 | 0.776 |
| C2-Benzo(b)thiophenes | ND | | mg/kg | 1.65 | 0.776 |
| C3-Benzo(b)thiophenes | ND | | mg/kg | 1.65 | 0.776 |
| C4-Benzo(b)thiophenes | ND | | mg/kg | 1.65 | 0.776 |
| Biphenyl | ND | | mg/kg | 1.65 | 0.765 |
| 2,6-Dimethylnaphthalene | ND | | mg/kg | 1.65 | 0.589 |
| Dibenzofuran | ND | | mg/kg | 1.65 | 0.780 |
| Acenaphthylene | ND | | mg/kg | 1.65 | 0.473 |
| Acenaphthene | ND | | mg/kg | 1.65 | 0.437 |
| 2,3,5-Trimethylnaphthalene | ND | | mg/kg | 1.65 | 0.405 |
| Fluorene | ND | | mg/kg | 1.65 | 0.661 |
| C1-Fluorenes | ND | | mg/kg | 1.65 | 0.661 |
| C2-Fluorenes | ND | | mg/kg | 1.65 | 0.661 |
| C3-Fluorenes | ND | | mg/kg | 1.65 | 0.661 |
| Dibenzothiophene | ND | | mg/kg | 1.65 | 0.683 |
| 4-Methyldibenzothiophene(4MDT) | ND | | mg/kg | 1.65 | 0.683 |



Project Name: BISHOP LOSS OF CONTAINMENT
Project Number: PROJ-054019

Lab Number: L2521788
Report Date: 04/21/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E-SIM(M)
 Analytical Date: 04/16/25 14:04
 Analyst: CNC

Extraction Method: EPA 3580A
 Extraction Date: 04/16/25 07:50

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|------|-------|
| Alkylated PAHs/Biomarkers by GC/MS - Mansfield Lab for sample(s): 01-02 Batch: WG2054480-1 | | | | | |
| 2/3-Methyldibenzothiophene(2MDT) | ND | | mg/kg | 1.65 | 0.683 |
| 1-Methyldibenzothiophene(1MDT) | 0.244 | J | mg/kg | 1.65 | 0.683 |
| C1-Dibenzothiophenes | 0.813 | J | mg/kg | 1.65 | 0.683 |
| C2-Dibenzothiophenes | ND | | mg/kg | 1.65 | 0.683 |
| C3-Dibenzothiophenes | ND | | mg/kg | 1.65 | 0.683 |
| C4-Dibenzothiophenes | ND | | mg/kg | 1.65 | 0.683 |
| Phenanthrene | ND | | mg/kg | 1.65 | 0.821 |
| 3-Methylphenanthrene (3MP) | ND | | mg/kg | 1.65 | 0.821 |
| 2-Methylphenanthrene (2MP) | ND | | mg/kg | 1.65 | 0.821 |
| 2-Methylanthracene (2MA) | ND | | mg/kg | 1.65 | 0.821 |
| 9/4-Methylphenanthrene (9MP) | ND | | mg/kg | 1.65 | 0.821 |
| 1-Methylphenanthrene (1MP) | ND | | mg/kg | 1.65 | 0.821 |
| C1-Phenanthrenes/Anthracenes | ND | | mg/kg | 1.65 | 0.821 |
| C2-Phenanthrenes/Anthracenes | ND | | mg/kg | 1.65 | 0.821 |
| C3-Phenanthrenes/Anthracenes | ND | | mg/kg | 1.65 | 0.821 |
| C4-Phenanthrenes/Anthracenes | ND | | mg/kg | 1.65 | 0.821 |
| Retene | ND | | mg/kg | 1.65 | 0.608 |
| Anthracene | ND | | mg/kg | 1.65 | 0.511 |
| Carbazole | ND | | mg/kg | 1.65 | 0.810 |
| Fluoranthene | ND | | mg/kg | 1.65 | 0.787 |
| Benzo(b)fluorene | ND | | mg/kg | 1.65 | 0.718 |
| Pyrene | ND | | mg/kg | 1.65 | 0.652 |
| C1-Fluoranthenes/Pyrenes | ND | | mg/kg | 1.65 | 0.652 |
| C2-Fluoranthenes/Pyrenes | ND | | mg/kg | 1.65 | 0.652 |
| C3-Fluoranthenes/Pyrenes | ND | | mg/kg | 1.65 | 0.652 |
| C4-Fluoranthenes/Pyrenes | ND | | mg/kg | 1.65 | 0.652 |
| Naphthobenzothiophene | ND | | mg/kg | 1.65 | 0.693 |
| C1-Naphthobenzothiophenes | ND | | mg/kg | 1.65 | 0.693 |
| C2-Naphthobenzothiophenes | ND | | mg/kg | 1.65 | 0.693 |



Project Name: BISHOP LOSS OF CONTAINMENT
Project Number: PROJ-054019

Lab Number: L2521788
Report Date: 04/21/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E-SIM(M)
Analytical Date: 04/16/25 14:04
Analyst: CNC

Extraction Method: EPA 3580A
Extraction Date: 04/16/25 07:50

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|------|-------|
| Alkylated PAHs/Biomarkers by GC/MS - Mansfield Lab for sample(s): 01-02 Batch: WG2054480-1 | | | | | |
| C3-Naphthobenzothiophenes | ND | | mg/kg | 1.65 | 0.693 |
| C4-Naphthobenzothiophenes | ND | | mg/kg | 1.65 | 0.693 |
| Benz(a)anthracene | ND | | mg/kg | 1.65 | 0.505 |
| Chrysene/Triphenylene | ND | | mg/kg | 1.65 | 0.501 |
| C1-Chrysenes | ND | | mg/kg | 1.65 | 0.501 |
| C2-Chrysenes | ND | | mg/kg | 1.65 | 0.501 |
| C3-Chrysenes | ND | | mg/kg | 1.65 | 0.336 |
| C4-Chrysenes | ND | | mg/kg | 1.65 | 0.501 |
| Benzo(b)fluoranthene | ND | | mg/kg | 1.65 | 0.644 |
| Benzo(j)+(k)Fluoranthene | ND | | mg/kg | 1.65 | 0.492 |
| Benzo(a)fluoranthene | ND | | mg/kg | 1.65 | 0.492 |
| Benzo(e)Pyrene | ND | | mg/kg | 1.65 | 0.511 |
| Benzo(a)pyrene | ND | | mg/kg | 1.65 | 0.707 |
| Perylene | ND | | mg/kg | 1.65 | 0.478 |
| Indeno(1,2,3-cd)Pyrene | ND | | mg/kg | 1.65 | 0.672 |
| Dibenz(a,h)+(a,c)anthracene | ND | | mg/kg | 1.65 | 0.669 |
| Benzo(ghi)perylene | ND | | mg/kg | 1.65 | 0.658 |
| Hopane (T19) | ND | | mg/kg | 1.65 | 0.705 |
| C23 Tricyclic Terpane (T4) | ND | | mg/kg | 1.65 | 0.705 |
| C24 Tricyclic Terpane (T5) | ND | | mg/kg | 1.65 | 0.705 |
| C25 Tricyclic Terpane (T6) | ND | | mg/kg | 1.65 | 0.705 |
| C24 Tetracyclic Terpane (T6a) | ND | | mg/kg | 1.65 | 0.705 |
| C26 Tricyclic Terpane-22S (T6b) | ND | | mg/kg | 1.65 | 0.705 |
| C26 Tricyclic Terpane-22R (T6c) | ND | | mg/kg | 1.65 | 0.705 |
| C28 Tricyclic Terpane-22S (T7) | ND | | mg/kg | 1.65 | 0.705 |
| C28 Tricyclic Terpane-22R (T8) | ND | | mg/kg | 1.65 | 0.705 |
| C29 Tricyclic Terpane-22S (T9) | ND | | mg/kg | 1.65 | 0.705 |
| C29 Tricyclic Terpane-22R (T10) | ND | | mg/kg | 1.65 | 0.705 |
| 18a-22,29,30-Trisnorneohopane-TS (T11) | ND | | mg/kg | 1.65 | 0.705 |



Project Name: BISHOP LOSS OF CONTAINMENT
Project Number: PROJ-054019

Lab Number: L2521788
Report Date: 04/21/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM(M)
Analytical Date: 04/16/25 14:04
Analyst: CNC

Extraction Method: EPA 3580A
Extraction Date: 04/16/25 07:50

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|------|-------|
| Alkylated PAHs/Biomarkers by GC/MS - Mansfield Lab for sample(s): 01-02 Batch: WG2054480-1 | | | | | |
| C30 Tricyclic Terpane-22S | ND | | mg/kg | 1.65 | 0.705 |
| C30 Tricyclic Terpane-22R | ND | | mg/kg | 1.65 | 0.705 |
| 17a(H)-22,29,30-Trisnorhopane-TM (T12) | ND | | mg/kg | 1.65 | 0.705 |
| 17a/b,21b/a 28,30-Bisnorhopane (T14a) | ND | | mg/kg | 1.65 | 0.705 |
| 17a(H),21b(H)-25-Norhopane (T14b) | ND | | mg/kg | 1.65 | 0.705 |
| 30-Norhopane (T15) | ND | | mg/kg | 1.65 | 0.705 |
| 18a(H)-30-Norneohopane-C29Ts (T16) | ND | | mg/kg | 1.65 | 0.705 |
| 17a(H)-Diahopane (X) | ND | | mg/kg | 1.65 | 0.705 |
| 30-Normoretane (T17) | ND | | mg/kg | 1.65 | 0.705 |
| 18a(H)&18b(H)-Oleananes (T18) | ND | | mg/kg | 1.65 | 0.705 |
| Moretane (T20) | ND | | mg/kg | 1.65 | 0.705 |
| 30-Homohopane-22S (T21) | ND | | mg/kg | 1.65 | 0.705 |
| 30-Homohopane-22R (T22) | ND | | mg/kg | 1.65 | 0.705 |
| Gammacerane/C32-Diahopane | ND | | mg/kg | 1.65 | 0.705 |
| 30,31-Bishomohopane-22S (T26) | ND | | mg/kg | 1.65 | 0.705 |
| 30,31-Bishomohopane-22R (T27) | ND | | mg/kg | 1.65 | 0.705 |
| 30,31-Trishomohopane-22S (T30) | ND | | mg/kg | 1.65 | 0.705 |
| 30,31-Trishomohopane-22R (T31) | ND | | mg/kg | 1.65 | 0.705 |
| Tetrakishomohopane-22S (T32) | ND | | mg/kg | 1.65 | 0.705 |
| Tetrakishomohopane-22R (T33) | ND | | mg/kg | 1.65 | 0.705 |
| Pentakishomohopane-22S (T34) | ND | | mg/kg | 1.65 | 0.705 |
| Pentakishomohopane-22R (T35) | ND | | mg/kg | 1.65 | 0.705 |
| 13b(H),17a(H)-20S-Diacholestane (S4) | ND | | mg/kg | 1.65 | 0.550 |
| 13b(H),17a(H)-20R-Diacholestane (S5) | ND | | mg/kg | 1.65 | 0.550 |
| 13b,17a-20S-Methyldiacholestane (S8) | ND | | mg/kg | 1.65 | 0.550 |
| 17a(H)20SC27/C29dia | ND | | mg/kg | 1.65 | 0.550 |
| 17a(H)20rc27/C29dia | ND | | mg/kg | 1.65 | 0.550 |
| Unknown Sterane (S18) | ND | | mg/kg | 1.65 | 0.550 |
| 13a,17b-20S-Ethyldiacholestane (S19) | ND | | mg/kg | 1.65 | 0.550 |



Project Name: BISHOP LOSS OF CONTAINMENT
Project Number: PROJ-054019

Lab Number: L2521788
Report Date: 04/21/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM(M)
Analytical Date: 04/16/25 14:04
Analyst: CNC

Extraction Method: EPA 3580A
Extraction Date: 04/16/25 07:50

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|------|-------|
| Alkylated PAHs/Biomarkers by GC/MS - Mansfield Lab for sample(s): 01-02 Batch: WG2054480-1 | | | | | |
| 14a,17a-20S-Methylcholestane (S20) | ND | | mg/kg | 1.65 | 0.550 |
| 14a,17a-20R-Methylcholestane (S24) | ND | | mg/kg | 1.65 | 0.550 |
| 14a(H),17a(H)-20S-Ethylcholestane (S25) | ND | | mg/kg | 1.65 | 0.550 |
| 14a(H),17a(H)-20R-Ethylcholestane (S28) | ND | | mg/kg | 1.65 | 0.550 |
| 14b(H),17b(H)-20R-Cholestane (S14) | ND | | mg/kg | 1.65 | 0.550 |
| 14b(H),17b(H)-20S-Cholestane (S15) | ND | | mg/kg | 1.65 | 0.550 |
| 14b,17b-20R-Methylcholestane (S22) | ND | | mg/kg | 1.65 | 0.550 |
| 14b,17b-20S-Methylcholestane (S23) | ND | | mg/kg | 1.65 | 0.550 |
| 14b(H),17b(H)-20R-Ethylcholestane (S26) | ND | | mg/kg | 1.65 | 0.550 |
| 14b(H),17b(H)-20S-Ethylcholestane (S27) | ND | | mg/kg | 1.65 | 0.550 |
| C26,20R+C27,20S TAS | ND | | mg/kg | 1.65 | 0.550 |
| C28,20S TAS | ND | | mg/kg | 1.65 | 0.550 |
| C27,20R TAS | ND | | mg/kg | 1.65 | 0.550 |
| C28,20R TAS | ND | | mg/kg | 1.65 | 0.550 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|--------------------|-----------|-----------|---------------------|
| Naphthalene-d8 | 91 | | 50-130 |
| Phenanthrene-d10 | 100 | | 50-130 |
| Benzo(a)pyrene-d12 | 104 | | 50-130 |

Lab Control Sample Analysis **Batch Quality Control**

Project Name: BISHOP LOSS OF CONTAINMENT

Lab Number: L2521788

Project Number: PROJ-054019

Report Date: 04/21/25

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Alkylated PAHs/Biomarkers by GC/MS - Mansfield Lab Associated sample(s): 01-02 Batch: WG2054480-2 WG2054480-3 | | | | | | | | |
| Naphthalene | 92 | | 94 | | 50-130 | 2 | | 30 |
| 2-Methylnaphthalene | 96 | | 99 | | 50-130 | 3 | | 30 |
| Acenaphthylene | 97 | | 99 | | 50-130 | 2 | | 30 |
| Acenaphthene | 94 | | 96 | | 50-130 | 2 | | 30 |
| Fluorene | 98 | | 100 | | 50-130 | 2 | | 30 |
| Phenanthrene | 94 | | 97 | | 50-130 | 3 | | 30 |
| Anthracene | 107 | | 109 | | 50-130 | 2 | | 30 |
| Fluoranthene | 92 | | 94 | | 50-130 | 2 | | 30 |
| Pyrene | 97 | | 99 | | 50-130 | 2 | | 30 |
| Benz(a)anthracene | 106 | | 109 | | 50-130 | 3 | | 30 |
| Chrysene/Triphenylene | 96 | | 98 | | 50-130 | 2 | | 30 |
| Benzo(b)fluoranthene | 99 | | 101 | | 50-130 | 2 | | 30 |
| Benzo(j)+(k)Fluoranthene | 104 | | 107 | | 50-130 | 3 | | 30 |
| Benzo(a)pyrene | 105 | | 107 | | 50-130 | 2 | | 30 |
| Indeno(1,2,3-cd)Pyrene | 111 | | 118 | | 50-130 | 6 | | 30 |
| Dibenz(a,h)+(a,c)anthracene | 108 | | 111 | | 50-130 | 3 | | 30 |
| Benzo(ghi)perylene | 109 | | 113 | | 50-130 | 4 | | 30 |

Lab Control Sample Analysis **Batch Quality Control**

Project Name: BISHOP LOSS OF CONTAINMENT

Lab Number: L2521788

Project Number: PROJ-054019

Report Date: 04/21/25

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
|------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|

Alkylated PAHs/Biomarkers by GC/MS - Mansfield Lab Associated sample(s): 01-02 Batch: WG2054480-2 WG2054480-3

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|--------------------|--------------------------|-------------|---------------------------|-------------|--------------------------------|
| Naphthalene-d8 | 93 | | 94 | | 50-130 |
| Phenanthrene-d10 | 96 | | 97 | | 50-130 |
| Benzo(a)pyrene-d12 | 106 | | 107 | | 50-130 |

Lab Duplicate Analysis

Batch Quality Control

Project Name: BISHOP LOSS OF CONTAINMENT

Project Number: PROJ-054019

Lab Number: L2521788

Report Date: 04/21/25

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---------------|------------------|-------|-----|------|------------|
| Alkylated PAHs/Biomarkers by GC/MS - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG2054480-4 QC Sample: L2521788-01 Client ID: GACO0408SC001 | | | | | | |
| Cis/Trans-Decalin | 390 | 373 | mg/kg | 4 | | 30 |
| C1-Decalins | 657 | 624 | mg/kg | 5 | | 30 |
| C2-Decalins | 767 | 703 | mg/kg | 9 | | 30 |
| C3-Decalins | 466 | 428 | mg/kg | 9 | | 30 |
| C4-Decalins | 490 | 473 | mg/kg | 4 | | 30 |
| Naphthalene | 338 | 322 | mg/kg | 5 | | 30 |
| C1-Naphthalenes | 1350 | 1280 | mg/kg | 5 | | 30 |
| C2-Naphthalenes | 1850 | 1760 | mg/kg | 5 | | 30 |
| C3-Naphthalenes | 1020 | 968 | mg/kg | 5 | | 30 |
| C4-Naphthalenes | 356 | 340 | mg/kg | 5 | | 30 |
| 2-Methylnaphthalene | 1380 | 1310 | mg/kg | 5 | | 30 |
| 1-Methylnaphthalene | 813 | 772 | mg/kg | 5 | | 30 |
| Benzothiophene | 4.77 | 4.46 | mg/kg | 7 | | 30 |
| C1-Benzo(b)thiophenes | 18.3 | 17.8 | mg/kg | 3 | | 30 |
| C2-Benzo(b)thiophenes | 8.79 | 8.82 | mg/kg | 0 | | 30 |
| C3-Benzo(b)thiophenes | ND | ND | mg/kg | NC | | 30 |
| C4-Benzo(b)thiophenes | ND | ND | mg/kg | NC | | 30 |
| Biphenyl | 336 | 312 | mg/kg | 7 | | 30 |
| 2,6-Dimethylnaphthalene | 1230 | 1170 | mg/kg | 5 | | 30 |
| Dibenzofuran | 8.74 | 8.41 | mg/kg | 4 | | 30 |
| Acenaphthylene | 5.97 | 5.81 | mg/kg | 3 | | 30 |

Lab Duplicate Analysis

Batch Quality Control

Project Name: BISHOP LOSS OF CONTAINMENT

Project Number: PROJ-054019

Lab Number: L2521788

Report Date: 04/21/25

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---------------|------------------|-------|-----|------|------------|
| Alkylated PAHs/Biomarkers by GC/MS - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG2054480-4 QC Sample: L2521788-01 Client ID: GACO0408SC001 | | | | | | |
| Acenaphthene | 43.8G | 42.2G | mg/kg | 4 | | 30 |
| 2,3,5-Trimethylnaphthalene | 185 | 160 | mg/kg | 14 | | 30 |
| Fluorene | 116 | 112 | mg/kg | 4 | | 30 |
| C1-Fluorenes | 295 | 281 | mg/kg | 5 | | 30 |
| C2-Fluorenes | 417 | 394 | mg/kg | 6 | | 30 |
| C3-Fluorenes | 296 | 276 | mg/kg | 7 | | 30 |
| Dibenzothiophene | 21.8 | 20.6 | mg/kg | 6 | | 30 |
| 4-Methyldibenzothiophene(4MDT) | 97.0 | 92.8 | mg/kg | 4 | | 30 |
| 2/3-Methyldibenzothiophene(2MDT) | 14.9 | 13.8 | mg/kg | 8 | | 30 |
| 1-Methyldibenzothiophene(1MDT) | 3.06 | 2.70 | mg/kg | 13 | | 30 |
| C1-Dibenzothiophenes | 123 | 111 | mg/kg | 10 | | 30 |
| C2-Dibenzothiophenes | 277 | 268 | mg/kg | 3 | | 30 |
| C3-Dibenzothiophenes | 190 | 178 | mg/kg | 7 | | 30 |
| C4-Dibenzothiophenes | 76.6 | 72.0 | mg/kg | 6 | | 30 |
| Phenanthrene | 163 | 155 | mg/kg | 5 | | 30 |
| 3-Methylphenanthrene (3MP) | 114 | 107 | mg/kg | 6 | | 30 |
| 2-Methylphenanthrene (2MP) | 135 | 128 | mg/kg | 5 | | 30 |
| 2-Methylantracene (2MA) | 2.73 | 2.73 | mg/kg | 0 | | 30 |
| 9/4-Methylphenanthrene (9MP) | 123 | 118 | mg/kg | 4 | | 30 |
| 1-Methylphenanthrene (1MP) | 93.1 | 88.7 | mg/kg | 5 | | 30 |
| C1-Phenanthrenes/Anthracenes | 475 | 452 | mg/kg | 5 | | 30 |

Lab Duplicate Analysis Batch Quality Control

Project Name: BISHOP LOSS OF CONTAINMENT

Project Number: PROJ-054019

Lab Number: L2521788

Report Date: 04/21/25

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---------------|------------------|-------|-----|------|------------|
| Alkylated PAHs/Biomarkers by GC/MS - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG2054480-4 QC Sample: L2521788-01 Client ID: GACO0408SC001 | | | | | | |
| C2-Phenanthrenes/Anthracenes | 541 | 512 | mg/kg | 6 | | 30 |
| C3-Phenanthrenes/Anthracenes | 267 | 253 | mg/kg | 5 | | 30 |
| C4-Phenanthrenes/Anthracenes | 103 | 94.2 | mg/kg | 9 | | 30 |
| Retene | ND | ND | mg/kg | NC | | 30 |
| Anthracene | 6.07 | 5.99 | mg/kg | 1 | | 30 |
| Carbazole | 6.83 | 5.86 | mg/kg | 15 | | 30 |
| Fluoranthene | ND | 0.859J | mg/kg | NC | | 30 |
| Benzo(b)fluorene | 3.77 | 4.51 | mg/kg | 18 | | 30 |
| Pyrene | 8.48 | 8.16 | mg/kg | 4 | | 30 |
| C1-Fluoranthenes/Pyrenes | 45.5 | 42.3 | mg/kg | 7 | | 30 |
| C2-Fluoranthenes/Pyrenes | 62.3 | 58.5 | mg/kg | 6 | | 30 |
| C3-Fluoranthenes/Pyrenes | 83.2 | 74.6 | mg/kg | 11 | | 30 |
| C4-Fluoranthenes/Pyrenes | 74.4 | 70.1 | mg/kg | 6 | | 30 |
| Naphthobenzothiophene | 6.71 | 6.26 | mg/kg | 7 | | 30 |
| C1-Naphthobenzothiophenes | 36.4 | 34.1 | mg/kg | 7 | | 30 |
| C2-Naphthobenzothiophenes | 67.8 | 63.0 | mg/kg | 7 | | 30 |
| C3-Naphthobenzothiophenes | 48.8 | 48.3 | mg/kg | 1 | | 30 |
| C4-Naphthobenzothiophenes | 32.5 | 32.0 | mg/kg | 2 | | 30 |
| Benz(a)anthracene | 1.43J | 1.15J | mg/kg | NC | | 30 |
| Chrysene/Triphenylene | 28.3 | 26.5 | mg/kg | 7 | | 30 |
| C1-Chrysenes | 80.3 | 77.0 | mg/kg | 4 | | 30 |

Lab Duplicate Analysis

Batch Quality Control

Project Name: BISHOP LOSS OF CONTAINMENT

Project Number: PROJ-054019

Lab Number: L2521788

Report Date: 04/21/25

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---------------|------------------|-------|-----|------|------------|
| Alkylated PAHs/Biomarkers by GC/MS - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG2054480-4 QC Sample: L2521788-01 Client ID: GACO0408SC001 | | | | | | |
| C2-Chrysenes | 103 | 97.2 | mg/kg | 6 | | 30 |
| C3-Chrysenes | 81.6 | 84.0 | mg/kg | 3 | | 30 |
| C4-Chrysenes | 52.7 | 52.6 | mg/kg | 0 | | 30 |
| Benzo(b)fluoranthene | 1.37J | 1.32J | mg/kg | NC | | 30 |
| Benzo(j)+(k)Fluoranthene | ND | ND | mg/kg | NC | | 30 |
| Benzo(a)fluoranthene | ND | ND | mg/kg | NC | | 30 |
| Benzo(e)Pyrene | 6.01 | 7.10 | mg/kg | 17 | | 30 |
| Benzo(a)pyrene | 2.79 | 2.40 | mg/kg | 15 | | 30 |
| Perylene | 2.25 | 1.88 | mg/kg | 18 | | 30 |
| Indeno(1,2,3-cd)Pyrene | ND | ND | mg/kg | NC | | 30 |
| Dibenz(a,h)+(a,c)anthracene | 0.861J | ND | mg/kg | NC | | 30 |
| Benzo(ghi)perylene | 0.461J | 0.858J | mg/kg | NC | | 30 |
| Hopane (T19) | ND | ND | mg/kg | NC | | 30 |
| C23 Tricyclic Terpane (T4) | ND | ND | mg/kg | NC | | 30 |
| C24 Tricyclic Terpane (T5) | ND | ND | mg/kg | NC | | 30 |
| C25 Tricyclic Terpane (T6) | ND | ND | mg/kg | NC | | 30 |
| C24 Tetracyclic Terpane (T6a) | ND | ND | mg/kg | NC | | 30 |
| C26 Tricyclic Terpane-22S (T6b) | ND | ND | mg/kg | NC | | 30 |
| C26 Tricyclic Terpane-22R (T6c) | ND | ND | mg/kg | NC | | 30 |
| C28 Tricyclic Terpane-22S (T7) | ND | ND | mg/kg | NC | | 30 |
| C28 Tricyclic Terpane-22R (T8) | ND | ND | mg/kg | NC | | 30 |

Lab Duplicate Analysis

Batch Quality Control

Project Name: BISHOP LOSS OF CONTAINMENT

Project Number: PROJ-054019

Lab Number: L2521788

Report Date: 04/21/25

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---------------|------------------|-------|-----|------|------------|
| Alkylated PAHs/Biomarkers by GC/MS - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG2054480-4 QC Sample: L2521788-01 Client ID: GACO0408SC001 | | | | | | |
| C29 Tricyclic Terpane-22S (T9) | ND | ND | mg/kg | NC | | 30 |
| C29 Tricyclic Terpane-22R (T10) | ND | ND | mg/kg | NC | | 30 |
| 18a-22,29,30-Trisnorneohopane-TS (T11) | ND | ND | mg/kg | NC | | 30 |
| C30 Tricyclic Terpane-22S | ND | ND | mg/kg | NC | | 30 |
| C30 Tricyclic Terpane-22R | ND | ND | mg/kg | NC | | 30 |
| 17a(H)-22,29,30-Trisnorhopane-TM (T12) | ND | ND | mg/kg | NC | | 30 |
| 17a/b,21b/a 28,30-Bisnorhopane (T14a) | ND | ND | mg/kg | NC | | 30 |
| 17a(H),21b(H)-25-Norhopane (T14b) | ND | ND | mg/kg | NC | | 30 |
| 30-Norhopane (T15) | ND | ND | mg/kg | NC | | 30 |
| 18a(H)-30-Norneohopane-C29Ts (T16) | ND | ND | mg/kg | NC | | 30 |
| 17a(H)-Diahopane (X) | ND | ND | mg/kg | NC | | 30 |
| 30-Normoretane (T17) | ND | ND | mg/kg | NC | | 30 |
| 18a(H)&18b(H)-Oleananes (T18) | ND | ND | mg/kg | NC | | 30 |
| Moretane (T20) | ND | ND | mg/kg | NC | | 30 |
| 30-Homohopane-22S (T21) | ND | ND | mg/kg | NC | | 30 |
| 30-Homohopane-22R (T22) | ND | ND | mg/kg | NC | | 30 |
| Gammacerane/C32-Diahopane | ND | ND | mg/kg | NC | | 30 |
| 30,31-Bishomohopane-22S (T26) | ND | ND | mg/kg | NC | | 30 |
| 30,31-Bishomohopane-22R (T27) | ND | ND | mg/kg | NC | | 30 |
| 30,31-Trishomohopane-22S (T30) | ND | ND | mg/kg | NC | | 30 |
| 30,31-Trishomohopane-22R (T31) | ND | ND | mg/kg | NC | | 30 |

Lab Duplicate Analysis

Batch Quality Control

Project Name: BISHOP LOSS OF CONTAINMENT

Project Number: PROJ-054019

Lab Number: L2521788

Report Date: 04/21/25

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---------------|------------------|-------|-----|------|------------|
| Alkylated PAHs/Biomarkers by GC/MS - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG2054480-4 QC Sample: L2521788-01 Client ID: GACO0408SC001 | | | | | | |
| Tetrakishomohopane-22S (T32) | ND | ND | mg/kg | NC | | 30 |
| Tetrakishomohopane-22R (T33) | ND | ND | mg/kg | NC | | 30 |
| Pentakishomohopane-22S (T34) | ND | ND | mg/kg | NC | | 30 |
| Pentakishomohopane-22R (T35) | ND | ND | mg/kg | NC | | 30 |
| 13b(H),17a(H)-20S-Diacholestane (S4) | 27.2 | 26.7 | mg/kg | 2 | | 30 |
| 13b(H),17a(H)-20R-Diacholestane (S5) | 17.0 | 15.6 | mg/kg | 9 | | 30 |
| 13b,17a-20S-Methyldiacholestane (S8) | 19.3 | 18.3 | mg/kg | 5 | | 30 |
| 17a(H)20SC27/C29dia | 21.1 | 21.4 | mg/kg | 1 | | 30 |
| 17a(H)20rc27/C29dia | 15.8 | 19.5 | mg/kg | 21 | | 30 |
| Unknown Sterane (S18) | ND | ND | mg/kg | NC | | 30 |
| 13a,17b-20S-Ethyldiacholestane (S19) | ND | ND | mg/kg | NC | | 30 |
| 14a,17a-20S-Methylcholestane (S20) | 7.80 | 8.27 | mg/kg | 6 | | 30 |
| 14a,17a-20R-Methylcholestane (S24) | ND | ND | mg/kg | NC | | 30 |
| 14a(H),17a(H)-20S-Ethylcholestane (S25) | ND | ND | mg/kg | NC | | 30 |
| 14a(H),17a(H)-20R-Ethylcholestane (S28) | ND | ND | mg/kg | NC | | 30 |
| 14b(H),17b(H)-20R-Cholestane (S14) | 5.56 | 4.74 | mg/kg | 16 | | 30 |
| 14b(H),17b(H)-20S-Cholestane (S15) | 5.63 | 6.34 | mg/kg | 12 | | 30 |
| 14b,17b-20R-Methylcholestane (S22) | 5.54 | 4.32 | mg/kg | 25 | | 30 |
| 14b,17b-20S-Methylcholestane (S23) | 5.34 | 5.43 | mg/kg | 2 | | 30 |
| 14b(H),17b(H)-20R-Ethylcholestane (S26) | 5.88 | 6.23 | mg/kg | 6 | | 30 |
| 14b(H),17b(H)-20S-Ethylcholestane (S27) | 4.60 | 3.79 | mg/kg | 19 | | 30 |

Lab Duplicate Analysis

Batch Quality Control

Project Name: BISHOP LOSS OF CONTAINMENT

Project Number: PROJ-054019

Lab Number: L2521788

Report Date: 04/21/25

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---------------|------------------|-------|-----|------|------------|
| Alkylated PAHs/Biomarkers by GC/MS - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG2054480-4 QC Sample: L2521788-01 Client ID: GACO0408SC001 | | | | | | |
| C26,20R+C27,20S TAS | ND | ND | mg/kg | NC | | 30 |
| C28,20S TAS | ND | ND | mg/kg | NC | | 30 |
| C27,20R TAS | ND | ND | mg/kg | NC | | 30 |
| C28,20R TAS | ND | ND | mg/kg | NC | | 30 |

| Surrogate | %Recovery | Qualifier | %Recovery | Qualifier | Acceptance Criteria |
|--------------------|-----------|-----------|-----------|-----------|---------------------|
| Naphthalene-d8 | 97 | | 95 | | 50-130 |
| Phenanthrene-d10 | 98 | | 95 | | 50-130 |
| Benzo(a)pyrene-d12 | 111 | | 111 | | 50-130 |

PETROLEUM HYDROCARBONS

Project Name: BISHOP LOSS OF CONTAINMENT**Lab Number:** L2521788**Project Number:** PROJ-054019**Report Date:** 04/21/25**SAMPLE RESULTS**

Lab ID: L2521788-01
 Client ID: GACO0408SC001
 Sample Location: Not Specified

Date Collected: 04/08/25 13:51
 Date Received: 04/10/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Oil
 Analytical Method: 1,8015D(M)
 Analytical Date: 04/17/25 01:02
 Analyst: AMV
 Percent Solids: Results reported on an 'AS RECEIVED' basis.

Extraction Method: EPA 3580A
 Extraction Date: 04/16/25 07:50

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|------|-----------------|
| Saturated Hydrocarbons by GC-FID - Mansfield Lab | | | | | | |
| n-Nonane (C9) | 4520 | | mg/kg | 189 | 18.4 | 1 |
| n-Decane (C10) | 7190 | | mg/kg | 189 | 20.0 | 1 |
| n-Undecane (C11) | 10600 | | mg/kg | 189 | 20.6 | 1 |
| n-Dodecane (C12) | 12100 | | mg/kg | 189 | 26.7 | 1 |
| n-Tridecane (C13) | 11600 | | mg/kg | 189 | 110. | 1 |
| 2,6,10-Trimethyldodecane (1380) | 2480 | | mg/kg | 189 | 19.7 | 1 |
| n-Tetradecane (C14) | 11000 | | mg/kg | 189 | 19.7 | 1 |
| 2,6,10-Trimethyltridecane (1470) | 3510 | | mg/kg | 189 | 47.1 | 1 |
| n-Pentadecane (C15) | 10500 | | mg/kg | 189 | 47.1 | 1 |
| n-Hexadecane (C16) | 9200 | | mg/kg | 189 | 18.2 | 1 |
| Norpristane (1650) | 2630 | | mg/kg | 189 | 22.9 | 1 |
| n-Heptadecane (C17) | 7730 | | mg/kg | 189 | 22.9 | 1 |
| Pristane | 4220 | | mg/kg | 189 | 30.5 | 1 |
| n-Octadecane (C18) | 6330 | | mg/kg | 189 | 15.2 | 1 |
| Phytane | 2980 | | mg/kg | 189 | 15.9 | 1 |
| n-Nonadecane (C19) | 5490 | | mg/kg | 189 | 15.4 | 1 |
| n-Eicosane (C20) | 5240 | | mg/kg | 189 | 10.5 | 1 |
| n-Heneicosane (C21) | 4360 | | mg/kg | 189 | 12.7 | 1 |
| n-Docosane (C22) | 3930 | | mg/kg | 189 | 8.17 | 1 |
| n-Tricosane (C23) | 3290 | | mg/kg | 189 | 11.2 | 1 |
| n-Tetracosane (C24) | 3170 | | mg/kg | 189 | 17.6 | 1 |
| n-Pentacosane (C25) | 2820 | | mg/kg | 189 | 11.1 | 1 |
| n-Hexacosane (C26) | 2550 | | mg/kg | 189 | 20.8 | 1 |
| n-Heptacosane (C27) | 1880 | | mg/kg | 189 | 14.8 | 1 |
| n-Octacosane (C28) | 1390 | | mg/kg | 189 | 63.2 | 1 |
| n-Nonacosane (C29) | 1390 | | mg/kg | 189 | 17.8 | 1 |
| n-Triacontane (C30) | 1070 | | mg/kg | 189 | 18.9 | 1 |
| n-Hentriacontane (C31) | 989 | | mg/kg | 189 | 20.2 | 1 |

Project Name: BISHOP LOSS OF CONTAINMENT**Lab Number:** L2521788**Project Number:** PROJ-054019**Report Date:** 04/21/25**SAMPLE RESULTS**

Lab ID: L2521788-01
 Client ID: GACO0408SC001
 Sample Location: Not Specified

Date Collected: 04/08/25 13:51
 Date Received: 04/10/25
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| Saturated Hydrocarbons by GC-FID - Mansfield Lab | | | | | | |
| n-Dotriacontane (C32) | 789 | | mg/kg | 189 | 21.0 | 1 |
| n-Tritriacontane (C33) | 692 | | mg/kg | 189 | 19.0 | 1 |
| n-Tettratriacontane (C34) | 666 | | mg/kg | 189 | 25.2 | 1 |
| n-Pentatriacontane (C35) | 662 | | mg/kg | 189 | 20.8 | 1 |
| n-Hexatriacontane (C36) | 489 | | mg/kg | 189 | 19.6 | 1 |
| n-Heptatriacontane (C37) | 529 | | mg/kg | 189 | 32.1 | 1 |
| n-Octatriacontane (C38) | 493 | | mg/kg | 189 | 29.1 | 1 |
| n-Nonatriacontane (C39) | 360 | | mg/kg | 189 | 34.6 | 1 |
| n-Tetracontane (C40) | 379 | | mg/kg | 189 | 34.6 | 1 |
| Total Petroleum Hydrocarbons (C9-C44) | 775000 | | mg/kg | 6240 | 911. | 1 |
| Total Saturated Hydrocarbons | 149000 | | mg/kg | 189 | 8.17 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-----------------|------------|-----------|---------------------|
| ortho-terphenyl | 91 | | 50-130 |
| d50-Tetracosane | 99 | | 50-130 |

Project Name: BISHOP LOSS OF CONTAINMENT**Lab Number:** L2521788**Project Number:** PROJ-054019**Report Date:** 04/21/25**SAMPLE RESULTS**

Lab ID: L2521788-02
 Client ID: GACO0408SC002
 Sample Location: Not Specified

Date Collected: 04/08/25 13:53
 Date Received: 04/10/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Oil
 Analytical Method: 1,8015D(M)
 Analytical Date: 04/17/25 03:57
 Analyst: AMV
 Percent Solids: Results reported on an 'AS RECEIVED' basis.

Extraction Method: EPA 3580A
 Extraction Date: 04/16/25 07:50

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|-----|------|-----------------|
| Saturated Hydrocarbons by GC-FID - Mansfield Lab | | | | | | |
| n-Nonane (C9) | 3670 | | mg/kg | 146 | 14.2 | 1 |
| n-Decane (C10) | 6430 | | mg/kg | 146 | 15.5 | 1 |
| n-Undecane (C11) | 10200 | | mg/kg | 146 | 16.0 | 1 |
| n-Dodecane (C12) | 12100 | | mg/kg | 146 | 20.6 | 1 |
| n-Tridecane (C13) | 12100 | | mg/kg | 146 | 85.6 | 1 |
| 2,6,10-Trimethyldodecane (1380) | 2520 | | mg/kg | 146 | 15.2 | 1 |
| n-Tetradecane (C14) | 11200 | | mg/kg | 146 | 15.2 | 1 |
| 2,6,10-Trimethyltridecane (1470) | 3560 | | mg/kg | 146 | 36.5 | 1 |
| n-Pentadecane (C15) | 10900 | | mg/kg | 146 | 36.5 | 1 |
| n-Hexadecane (C16) | 9510 | | mg/kg | 146 | 14.1 | 1 |
| Norpristane (1650) | 2730 | | mg/kg | 146 | 17.7 | 1 |
| n-Heptadecane (C17) | 7960 | | mg/kg | 146 | 17.7 | 1 |
| Pristane | 4350 | | mg/kg | 146 | 23.6 | 1 |
| n-Octadecane (C18) | 6520 | | mg/kg | 146 | 11.8 | 1 |
| Phytane | 3030 | | mg/kg | 146 | 12.3 | 1 |
| n-Nonadecane (C19) | 5670 | | mg/kg | 146 | 11.9 | 1 |
| n-Eicosane (C20) | 5350 | | mg/kg | 146 | 8.15 | 1 |
| n-Heneicosane (C21) | 4460 | | mg/kg | 146 | 9.83 | 1 |
| n-Docosane (C22) | 4040 | | mg/kg | 146 | 6.33 | 1 |
| n-Tricosane (C23) | 3330 | | mg/kg | 146 | 8.72 | 1 |
| n-Tetracosane (C24) | 3190 | | mg/kg | 146 | 13.6 | 1 |
| n-Pentacosane (C25) | 2840 | | mg/kg | 146 | 8.58 | 1 |
| n-Hexacosane (C26) | 2550 | | mg/kg | 146 | 16.1 | 1 |
| n-Heptacosane (C27) | 1760 | | mg/kg | 146 | 11.5 | 1 |
| n-Octacosane (C28) | 1360 | | mg/kg | 146 | 48.9 | 1 |
| n-Nonacosane (C29) | 1240 | | mg/kg | 146 | 13.8 | 1 |
| n-Triacontane (C30) | 972 | | mg/kg | 146 | 14.6 | 1 |
| n-Hentriacontane (C31) | 873 | | mg/kg | 146 | 15.6 | 1 |

Project Name: BISHOP LOSS OF CONTAINMENT**Lab Number:** L2521788**Project Number:** PROJ-054019**Report Date:** 04/21/25**SAMPLE RESULTS**

Lab ID: L2521788-02
 Client ID: GACO0408SC002
 Sample Location: Not Specified

Date Collected: 04/08/25 13:53
 Date Received: 04/10/25
 Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|------|-----------------|
| Saturated Hydrocarbons by GC-FID - Mansfield Lab | | | | | | |
| n-Dotriacontane (C32) | 657 | | mg/kg | 146 | 16.3 | 1 |
| n-Tritriacontane (C33) | 565 | | mg/kg | 146 | 14.7 | 1 |
| n-Tettratriacontane (C34) | 540 | | mg/kg | 146 | 19.5 | 1 |
| n-Pentatriacontane (C35) | 507 | | mg/kg | 146 | 16.1 | 1 |
| n-Hexatriacontane (C36) | 373 | | mg/kg | 146 | 15.2 | 1 |
| n-Heptatriacontane (C37) | 377 | | mg/kg | 146 | 24.8 | 1 |
| n-Octatriacontane (C38) | 355 | | mg/kg | 146 | 22.6 | 1 |
| n-Nonatriacontane (C39) | 222 | | mg/kg | 146 | 26.8 | 1 |
| n-Tetracontane (C40) | 253 | | mg/kg | 146 | 26.8 | 1 |
| Total Petroleum Hydrocarbons (C9-C44) | 800000 | | mg/kg | 4840 | 706. | 1 |
| Total Saturated Hydrocarbons | 148000 | | mg/kg | 146 | 6.33 | 1 |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|-----------------|------------|-----------|---------------------|
| ortho-terphenyl | 92 | | 50-130 |
| d50-Tetracosane | 101 | | 50-130 |

Project Name: BISHOP LOSS OF CONTAINMENT
Project Number: PROJ-054019

Lab Number: L2521788
Report Date: 04/21/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8015D(M)
 Analytical Date: 04/16/25 19:11
 Analyst: AMV

Extraction Method: EPA 3580A
 Extraction Date: 04/16/25 07:50

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|-----|------|
| Saturated Hydrocarbons by GC-FID - Mansfield Lab for sample(s): 01-02 Batch: WG2054480-1 | | | | | |
| Nonane (C9) | ND | | mg/kg | 165 | 16.0 |
| Decane (C10) | ND | | mg/kg | 165 | 17.5 |
| Undecane | ND | | mg/kg | 165 | 18.0 |
| Dodecane (C12) | ND | | mg/kg | 165 | 23.3 |
| Tridecane | ND | | mg/kg | 165 | 96.4 |
| 2,6,10-Trimethyldodecane (1380) | ND | | mg/kg | 165 | 17.2 |
| Tetradecane (C14) | ND | | mg/kg | 165 | 17.2 |
| 2,6,10-Trimethyltridecane (1470) | ND | | mg/kg | 165 | 41.1 |
| n-Pentadecane (C15) | ND | | mg/kg | 165 | 41.1 |
| Hexadecane (C16) | ND | | mg/kg | 165 | 15.8 |
| Norpristane (1650) | ND | | mg/kg | 165 | 20.0 |
| n-Heptadecane (C17) | ND | | mg/kg | 165 | 20.0 |
| Pristane | ND | | mg/kg | 165 | 26.6 |
| Octadecane (C18) | 146 | J | mg/kg | 165 | 13.3 |
| Phytane | ND | | mg/kg | 165 | 13.9 |
| Nonadecane (C19) | ND | | mg/kg | 165 | 13.4 |
| Eicosane (C20) | ND | | mg/kg | 165 | 9.18 |
| Heneicosane (C21) | ND | | mg/kg | 165 | 11.1 |
| Docosane (C22) | ND | | mg/kg | 165 | 7.13 |
| n-Tricosane (C23) | ND | | mg/kg | 165 | 9.83 |
| Tetracosane (C24) | 5.28 | J | mg/kg | 165 | 15.3 |
| Pentacosane (C25) | 86.7 | J | mg/kg | 165 | 9.68 |
| Hexacosane (C26) | ND | | mg/kg | 165 | 18.2 |
| Heptacosane (C27) | ND | | mg/kg | 165 | 12.9 |
| Octacosane (C28) | ND | | mg/kg | 165 | 55.2 |
| Nonacosane (C29) | ND | | mg/kg | 165 | 15.5 |
| triacontane (C30) | ND | | mg/kg | 165 | 16.5 |
| Hentatriacontane (C31) | ND | | mg/kg | 165 | 17.6 |
| Dotriacontane (C32) | ND | | mg/kg | 165 | 18.3 |



Project Name: BISHOP LOSS OF CONTAINMENT
Project Number: PROJ-054019

Lab Number: L2521788
Report Date: 04/21/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015D(M)
 Analytical Date: 04/16/25 19:11
 Analyst: AMV

Extraction Method: EPA 3580A
 Extraction Date: 04/16/25 07:50

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|------|------|
| Saturated Hydrocarbons by GC-FID - Mansfield Lab for sample(s): 01-02 Batch: WG2054480-1 | | | | | |
| Trtriacontane (C33) | ND | | mg/kg | 165 | 16.5 |
| Tetratriacontane (C34) | ND | | mg/kg | 165 | 22.0 |
| Pentatriacontane (C35) | ND | | mg/kg | 165 | 18.2 |
| Hexatriacontane (C36) | ND | | mg/kg | 165 | 17.1 |
| Heptatriacontane (C37) | ND | | mg/kg | 165 | 28.0 |
| Octatriacontane (C38) | ND | | mg/kg | 165 | 25.4 |
| Nonatriacontane (C39) | ND | | mg/kg | 165 | 30.2 |
| Tetracontane (C40) | ND | | mg/kg | 165 | 30.2 |
| Total Petroleum Hydrocarbons (C9-C44) | ND | | mg/kg | 5450 | 796. |
| Total Saturated Hydrocarbons | 238 | J | mg/kg | 165 | 7.13 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|-----------------|-----------|-----------|---------------------|
| o-Terphenyl | 91 | | 50-130 |
| d50-Tetracosane | 98 | | 50-130 |

Lab Control Sample Analysis **Batch Quality Control**

Project Name: BISHOP LOSS OF CONTAINMENT

Lab Number: L2521788

Project Number: PROJ-054019

Report Date: 04/21/25

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
| Saturated Hydrocarbons by GC-FID - Mansfield Lab Associated sample(s): 01-02 Batch: WG2054480-2 WG2054480-3 | | | | | | | | |
| Nonane (C9) | 106 | | 108 | | 50-130 | 2 | | 30 |
| Decane (C10) | 94 | | 96 | | 50-130 | 2 | | 30 |
| Dodecane (C12) | 97 | | 98 | | 50-130 | 1 | | 30 |
| Tetradecane (C14) | 96 | | 98 | | 50-130 | 2 | | 30 |
| Hexadecane (C16) | 103 | | 104 | | 50-130 | 1 | | 30 |
| Octadecane (C18) | 104 | | 105 | | 50-130 | 1 | | 30 |
| Nonadecane (C19) | 99 | | 100 | | 50-130 | 1 | | 30 |
| Eicosane (C20) | 101 | | 102 | | 50-130 | 1 | | 30 |
| Docosane (C22) | 99 | | 100 | | 50-130 | 1 | | 30 |
| Tetracosane (C24) | 105 | | 106 | | 50-130 | 1 | | 30 |
| Hexacosane (C26) | 99 | | 100 | | 50-130 | 1 | | 30 |
| Octacosane (C28) | 97 | | 98 | | 50-130 | 1 | | 30 |
| triacontane (C30) | 99 | | 100 | | 50-130 | 1 | | 30 |
| Hexatriacontane (C36) | 93 | | 94 | | 50-130 | 1 | | 30 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|------------------|--------------------------|-------------|---------------------------|-------------|--------------------------------|
| o-Terphenyl | 91 | | 91 | | 50-130 |
| d50-Tetracosane | 98 | | 98 | | 50-130 |

Lab Duplicate Analysis Batch Quality Control

Project Name: BISHOP LOSS OF CONTAINMENT
Project Number: PROJ-054019

Lab Number: L2521788
Report Date: 04/21/25

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---------------|------------------|-------|-----|------|------------|
| Saturated Hydrocarbons by GC-FID - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG2054480-4 QC Sample: L2521788-01 Client ID: GACO0408SC001 | | | | | | |
| Nonane (C9) | 4520 | 4290 | mg/kg | 5 | | 30 |
| Decane (C10) | 7190 | 6930 | mg/kg | 4 | | 30 |
| Undecane | 10600 | 10300 | mg/kg | 3 | | 30 |
| Dodecane (C12) | 12100 | 11200 | mg/kg | 8 | | 30 |
| Tridecane | 11600 | 11300 | mg/kg | 3 | | 30 |
| 2,6,10-Trimethyldodecane (1380) | 2480 | 2380 | mg/kg | 4 | | 30 |
| Tetradecane (C14) | 11000 | 10500 | mg/kg | 5 | | 30 |
| 2,6,10-Trimethyltridecane (1470) | 3510 | 3310 | mg/kg | 6 | | 30 |
| n-Pentadecane (C15) | 10500 | 10100 | mg/kg | 4 | | 30 |
| Hexadecane (C16) | 9200 | 8880 | mg/kg | 4 | | 30 |
| Norpristane (1650) | 2630 | 2550 | mg/kg | 3 | | 30 |
| n-Heptadecane (C17) | 7730 | 7380 | mg/kg | 5 | | 30 |
| Pristane | 4220 | 4080 | mg/kg | 3 | | 30 |
| Octadecane (C18) | 6330 | 6130 | mg/kg | 3 | | 30 |
| Phytane | 2980 | 2880 | mg/kg | 3 | | 30 |
| Nonadecane (C19) | 5490 | 5320 | mg/kg | 3 | | 30 |
| Eicosane (C20) | 5240 | 5080 | mg/kg | 3 | | 30 |
| Heneicosane (C21) | 4360 | 4220 | mg/kg | 3 | | 30 |
| Docosane (C22) | 3930 | 3810 | mg/kg | 3 | | 30 |
| n-Tricosane (C23) | 3290 | 3180 | mg/kg | 3 | | 30 |
| Tetracosane (C24) | 3170 | 3080 | mg/kg | 3 | | 30 |

Lab Duplicate Analysis Batch Quality Control

Project Name: BISHOP LOSS OF CONTAINMENT
Project Number: PROJ-054019

Lab Number: L2521788
Report Date: 04/21/25

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---------------|------------------|-------|-----|------|------------|
| Saturated Hydrocarbons by GC-FID - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG2054480-4 QC Sample: L2521788-01 Client ID: GACO0408SC001 | | | | | | |
| Pentacosane (C25) | 2820 | 2740 | mg/kg | 3 | | 30 |
| Hexacosane (C26) | 2550 | 2540 | mg/kg | 0 | | 30 |
| Heptacosane (C27) | 1880 | 1820 | mg/kg | 3 | | 30 |
| Octacosane (C28) | 1390 | 1440 | mg/kg | 4 | | 30 |
| Nonacosane (C29) | 1390 | 1320 | mg/kg | 5 | | 30 |
| Triacontane (C30) | 1070 | 1040 | mg/kg | 3 | | 30 |
| Hentatriacontane (C31) | 989 | 968 | mg/kg | 2 | | 30 |
| Dotriacontane (C32) | 789 | 749 | mg/kg | 5 | | 30 |
| Trtriacontane (C33) | 692 | 682 | mg/kg | 1 | | 30 |
| Tetratriacontane (C34) | 666 | 664 | mg/kg | 0 | | 30 |
| Pentatriacontane (C35) | 662 | 633 | mg/kg | 4 | | 30 |
| Hexatriacontane (C36) | 489 | 488 | mg/kg | 0 | | 30 |
| Heptatriacontane (C37) | 529 | 539 | mg/kg | 2 | | 30 |
| Octatriacontane (C38) | 493 | 486 | mg/kg | 1 | | 30 |
| Nonatriacontane (C39) | 360 | 345 | mg/kg | 4 | | 30 |
| Tetracontane (C40) | 379 | 386 | mg/kg | 2 | | 30 |
| Total Petroleum Hydrocarbons (C9-C44) | 775000 | 760000 | mg/kg | 2 | | 30 |
| Total Saturated Hydrocarbons | 149000 | 144000 | mg/kg | 4 | | 30 |

| Surrogate | %Recovery | Qualifier | %Recovery | Qualifier | Acceptance Criteria |
|-----------|-----------|-----------|-----------|-----------|---------------------|
|-----------|-----------|-----------|-----------|-----------|---------------------|

Lab Duplicate Analysis

Batch Quality Control

Project Name: BISHOP LOSS OF CONTAINMENT

Project Number: PROJ-054019

Lab Number: L2521788

Report Date: 04/21/25

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---------------|------------------|-------|-----|------|------------|
| Saturated Hydrocarbons by GC-FID - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG2054480-4 QC Sample: L2521788-01 Client ID: GACO0408SC001 | | | | | | |

| Surrogate | %Recovery | Qualifier | %Recovery | Qualifier | Acceptance Criteria |
|-----------------|-----------|-----------|-----------|-----------|---------------------|
| o-Terphenyl | 91 | | 91 | | 50-130 |
| d50-Tetracosane | 99 | | 101 | | 50-130 |

METALS

Project Name: BISHOP LOSS OF CONTAINMENT**Lab Number:** L2521788**Project Number:** PROJ-054019**Report Date:** 04/21/25**SAMPLE RESULTS**

Lab ID: L2521788-01

Date Collected: 04/08/25 13:51

Client ID: GACO0408SC001

Date Received: 04/10/25

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Oil

Percent Solids: Results are reported on an 'AS RECEIVED' basis.

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Mansfield Lab | | | | | | | | | | | |
| Aluminum, Total | 10.6 | J | mg/kg | 14.8 | 4.82 | 1 | 04/16/25 14:57 | 04/17/25 10:56 | EPA 3050B | 1,6010D | EFM |
| Antimony, Total | ND | | mg/kg | 7.42 | 5.71 | 1 | 04/16/25 14:57 | 04/17/25 10:56 | EPA 3050B | 1,6010D | EFM |
| Arsenic, Total | ND | | mg/kg | 1.48 | 0.641 | 1 | 04/16/25 14:57 | 04/17/25 10:56 | EPA 3050B | 1,6010D | EFM |
| Barium, Total | 6.32 | | mg/kg | 1.48 | 0.157 | 1 | 04/16/25 14:57 | 04/17/25 10:56 | EPA 3050B | 1,6010D | EFM |
| Beryllium, Total | ND | | mg/kg | 0.742 | 0.082 | 1 | 04/16/25 14:57 | 04/17/25 10:56 | EPA 3050B | 1,6010D | EFM |
| Cadmium, Total | ND | | mg/kg | 1.48 | 0.082 | 1 | 04/16/25 14:57 | 04/17/25 10:56 | EPA 3050B | 1,6010D | EFM |
| Calcium, Total | 73.1 | | mg/kg | 14.8 | 8.41 | 1 | 04/16/25 14:57 | 04/17/25 10:56 | EPA 3050B | 1,6010D | EFM |
| Chromium, Total | ND | | mg/kg | 1.48 | 1.26 | 1 | 04/16/25 14:57 | 04/17/25 10:56 | EPA 3050B | 1,6010D | EFM |
| Cobalt, Total | ND | | mg/kg | 2.97 | 0.368 | 1 | 04/16/25 14:57 | 04/17/25 10:56 | EPA 3050B | 1,6010D | EFM |
| Copper, Total | ND | | mg/kg | 1.48 | 0.337 | 1 | 04/16/25 14:57 | 04/17/25 10:56 | EPA 3050B | 1,6010D | EFM |
| Iron, Total | 121 | | mg/kg | 7.42 | 1.56 | 1 | 04/16/25 14:57 | 04/17/25 10:56 | EPA 3050B | 1,6010D | EFM |
| Lead, Total | ND | | mg/kg | 7.42 | 0.353 | 1 | 04/16/25 14:57 | 04/17/25 10:56 | EPA 3050B | 1,6010D | EFM |
| Magnesium, Total | 7.33 | J | mg/kg | 14.8 | 2.42 | 1 | 04/16/25 14:57 | 04/17/25 10:56 | EPA 3050B | 1,6010D | EFM |
| Manganese, Total | 1.12 | J | mg/kg | 1.48 | 0.795 | 1 | 04/16/25 14:57 | 04/17/25 10:56 | EPA 3050B | 1,6010D | EFM |
| Mercury, Total | ND | | mg/kg | 0.075 | 0.049 | 1 | 04/16/25 15:40 | 04/17/25 06:40 | EPA 7471B | 1,7471B | MJR |
| Nickel, Total | ND | | mg/kg | 3.71 | 1.20 | 1 | 04/16/25 14:57 | 04/17/25 10:56 | EPA 3050B | 1,6010D | EFM |
| Potassium, Total | ND | | mg/kg | 371 | 75.2 | 1 | 04/16/25 14:57 | 04/17/25 10:56 | EPA 3050B | 1,6010D | EFM |
| Selenium, Total | ND | | mg/kg | 2.97 | 0.488 | 1 | 04/16/25 14:57 | 04/17/25 10:56 | EPA 3050B | 1,6010D | EFM |
| Silver, Total | ND | | mg/kg | 0.742 | 0.442 | 1 | 04/16/25 14:57 | 04/17/25 10:56 | EPA 3050B | 1,6010D | EFM |
| Sodium, Total | 700 | | mg/kg | 297 | 157. | 1 | 04/16/25 14:57 | 04/17/25 10:56 | EPA 3050B | 1,6010D | EFM |
| Thallium, Total | ND | | mg/kg | 2.97 | 1.34 | 1 | 04/16/25 14:57 | 04/17/25 10:56 | EPA 3050B | 1,6010D | EFM |
| Vanadium, Total | ND | | mg/kg | 1.48 | 0.224 | 1 | 04/16/25 14:57 | 04/17/25 10:56 | EPA 3050B | 1,6010D | EFM |
| Zinc, Total | ND | | mg/kg | 7.42 | 0.899 | 1 | 04/16/25 14:57 | 04/17/25 10:56 | EPA 3050B | 1,6010D | EFM |



Project Name: BISHOP LOSS OF CONTAINMENT**Lab Number:** L2521788**Project Number:** PROJ-054019**Report Date:** 04/21/25**SAMPLE RESULTS**

Lab ID: L2521788-02

Date Collected: 04/08/25 13:53

Client ID: GACO0408SC002

Date Received: 04/10/25

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Oil

Percent Solids: Results are reported on an 'AS RECEIVED' basis.

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|-----------------|----------------|----------------|-------------|-------------------|---------|
| Total Metals - Mansfield Lab | | | | | | | | | | | |
| Aluminum, Total | 6.73 | J | mg/kg | 14.2 | 4.60 | 1 | 04/16/25 14:57 | 04/17/25 10:50 | EPA 3050B | 1,6010D | EFM |
| Antimony, Total | ND | | mg/kg | 7.08 | 5.45 | 1 | 04/16/25 14:57 | 04/17/25 10:50 | EPA 3050B | 1,6010D | EFM |
| Arsenic, Total | ND | | mg/kg | 1.42 | 0.612 | 1 | 04/16/25 14:57 | 04/17/25 10:50 | EPA 3050B | 1,6010D | EFM |
| Barium, Total | 2.26 | | mg/kg | 1.42 | 0.150 | 1 | 04/16/25 14:57 | 04/17/25 10:50 | EPA 3050B | 1,6010D | EFM |
| Beryllium, Total | ND | | mg/kg | 0.708 | 0.078 | 1 | 04/16/25 14:57 | 04/17/25 10:50 | EPA 3050B | 1,6010D | EFM |
| Cadmium, Total | ND | | mg/kg | 1.42 | 0.078 | 1 | 04/16/25 14:57 | 04/17/25 10:50 | EPA 3050B | 1,6010D | EFM |
| Calcium, Total | 48.2 | | mg/kg | 14.2 | 8.03 | 1 | 04/16/25 14:57 | 04/17/25 10:50 | EPA 3050B | 1,6010D | EFM |
| Chromium, Total | ND | | mg/kg | 1.42 | 1.20 | 1 | 04/16/25 14:57 | 04/17/25 10:50 | EPA 3050B | 1,6010D | EFM |
| Cobalt, Total | ND | | mg/kg | 2.83 | 0.351 | 1 | 04/16/25 14:57 | 04/17/25 10:50 | EPA 3050B | 1,6010D | EFM |
| Copper, Total | ND | | mg/kg | 1.42 | 0.322 | 1 | 04/16/25 14:57 | 04/17/25 10:50 | EPA 3050B | 1,6010D | EFM |
| Iron, Total | 58.5 | | mg/kg | 7.08 | 1.49 | 1 | 04/16/25 14:57 | 04/17/25 10:50 | EPA 3050B | 1,6010D | EFM |
| Lead, Total | ND | | mg/kg | 7.08 | 0.337 | 1 | 04/16/25 14:57 | 04/17/25 10:50 | EPA 3050B | 1,6010D | EFM |
| Magnesium, Total | 7.25 | J | mg/kg | 14.2 | 2.31 | 1 | 04/16/25 14:57 | 04/17/25 10:50 | EPA 3050B | 1,6010D | EFM |
| Manganese, Total | ND | | mg/kg | 1.42 | 0.759 | 1 | 04/16/25 14:57 | 04/17/25 10:50 | EPA 3050B | 1,6010D | EFM |
| Mercury, Total | ND | | mg/kg | 0.072 | 0.047 | 1 | 04/16/25 15:40 | 04/17/25 06:49 | EPA 7471B | 1,7471B | MJR |
| Nickel, Total | ND | | mg/kg | 3.54 | 1.14 | 1 | 04/16/25 14:57 | 04/17/25 10:50 | EPA 3050B | 1,6010D | EFM |
| Potassium, Total | ND | | mg/kg | 354 | 71.8 | 1 | 04/16/25 14:57 | 04/17/25 10:50 | EPA 3050B | 1,6010D | EFM |
| Selenium, Total | ND | | mg/kg | 2.83 | 0.466 | 1 | 04/16/25 14:57 | 04/17/25 10:50 | EPA 3050B | 1,6010D | EFM |
| Silver, Total | ND | | mg/kg | 0.708 | 0.422 | 1 | 04/16/25 14:57 | 04/17/25 10:50 | EPA 3050B | 1,6010D | EFM |
| Sodium, Total | 398 | | mg/kg | 283 | 150. | 1 | 04/16/25 14:57 | 04/17/25 10:50 | EPA 3050B | 1,6010D | EFM |
| Thallium, Total | ND | | mg/kg | 2.83 | 1.28 | 1 | 04/16/25 14:57 | 04/17/25 10:50 | EPA 3050B | 1,6010D | EFM |
| Vanadium, Total | ND | | mg/kg | 1.42 | 0.214 | 1 | 04/16/25 14:57 | 04/17/25 10:50 | EPA 3050B | 1,6010D | EFM |
| Zinc, Total | ND | | mg/kg | 7.08 | 0.858 | 1 | 04/16/25 14:57 | 04/17/25 10:50 | EPA 3050B | 1,6010D | EFM |



Project Name: BISHOP LOSS OF CONTAINMENT

Lab Number: L2521788

Project Number: PROJ-054019

Report Date: 04/21/25

Method Blank Analysis Batch Quality Control

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|--------------------|------------------|------------------|----------------------|---------|
| Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG2054698-1 | | | | | | | | | | |
| Aluminum, Total | ND | | mg/kg | 10.0 | 3.25 | 1 | 04/16/25 14:57 | 04/17/25 10:37 | 1,6010D | EFM |
| Antimony, Total | ND | | mg/kg | 5.00 | 3.85 | 1 | 04/16/25 14:57 | 04/17/25 10:37 | 1,6010D | EFM |
| Arsenic, Total | ND | | mg/kg | 1.00 | 0.432 | 1 | 04/16/25 14:57 | 04/17/25 10:37 | 1,6010D | EFM |
| Barium, Total | ND | | mg/kg | 1.00 | 0.106 | 1 | 04/16/25 14:57 | 04/17/25 10:37 | 1,6010D | EFM |
| Beryllium, Total | ND | | mg/kg | 0.500 | 0.055 | 1 | 04/16/25 14:57 | 04/17/25 10:37 | 1,6010D | EFM |
| Cadmium, Total | ND | | mg/kg | 1.00 | 0.055 | 1 | 04/16/25 14:57 | 04/17/25 10:37 | 1,6010D | EFM |
| Calcium, Total | ND | | mg/kg | 10.0 | 5.67 | 1 | 04/16/25 14:57 | 04/17/25 10:37 | 1,6010D | EFM |
| Chromium, Total | ND | | mg/kg | 1.00 | 0.848 | 1 | 04/16/25 14:57 | 04/17/25 10:37 | 1,6010D | EFM |
| Cobalt, Total | ND | | mg/kg | 2.00 | 0.248 | 1 | 04/16/25 14:57 | 04/17/25 10:37 | 1,6010D | EFM |
| Copper, Total | ND | | mg/kg | 1.00 | 0.227 | 1 | 04/16/25 14:57 | 04/17/25 10:37 | 1,6010D | EFM |
| Iron, Total | ND | | mg/kg | 5.00 | 1.05 | 1 | 04/16/25 14:57 | 04/17/25 10:37 | 1,6010D | EFM |
| Lead, Total | ND | | mg/kg | 5.00 | 0.238 | 1 | 04/16/25 14:57 | 04/17/25 10:37 | 1,6010D | EFM |
| Magnesium, Total | ND | | mg/kg | 10.0 | 1.63 | 1 | 04/16/25 14:57 | 04/17/25 10:37 | 1,6010D | EFM |
| Manganese, Total | ND | | mg/kg | 1.00 | 0.536 | 1 | 04/16/25 14:57 | 04/17/25 10:37 | 1,6010D | EFM |
| Nickel, Total | ND | | mg/kg | 2.50 | 0.808 | 1 | 04/16/25 14:57 | 04/17/25 10:37 | 1,6010D | EFM |
| Potassium, Total | ND | | mg/kg | 250 | 50.7 | 1 | 04/16/25 14:57 | 04/17/25 10:37 | 1,6010D | EFM |
| Selenium, Total | ND | | mg/kg | 2.00 | 0.329 | 1 | 04/16/25 14:57 | 04/17/25 10:37 | 1,6010D | EFM |
| Silver, Total | ND | | mg/kg | 0.500 | 0.298 | 1 | 04/16/25 14:57 | 04/17/25 10:37 | 1,6010D | EFM |
| Sodium, Total | ND | | mg/kg | 200 | 106. | 1 | 04/16/25 14:57 | 04/17/25 10:37 | 1,6010D | EFM |
| Thallium, Total | ND | | mg/kg | 2.00 | 0.902 | 1 | 04/16/25 14:57 | 04/17/25 10:37 | 1,6010D | EFM |
| Vanadium, Total | ND | | mg/kg | 1.00 | 0.151 | 1 | 04/16/25 14:57 | 04/17/25 10:37 | 1,6010D | EFM |
| Zinc, Total | ND | | mg/kg | 5.00 | 0.606 | 1 | 04/16/25 14:57 | 04/17/25 10:37 | 1,6010D | EFM |

Prep Information

Digestion Method: EPA 3050B

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|--------------------|------------------|------------------|----------------------|---------|
| Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG2054709-1 | | | | | | | | | | |
| Mercury, Total | ND | | mg/kg | 0.083 | 0.054 | 1 | 04/16/25 15:40 | 04/17/25 06:34 | 1,7471B | MJR |



Project Name: BISHOP LOSS OF CONTAINMENT

Lab Number: L2521788

Project Number: PROJ-054019

Report Date: 04/21/25

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7471B



Lab Control Sample Analysis **Batch Quality Control**

Project Name: BISHOP LOSS OF CONTAINMENT

Lab Number: L2521788

Project Number: PROJ-054019

Report Date: 04/21/25

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG2054698-2 | | | | | | | | |
| Aluminum, Total | 96 | | - | | 80-120 | - | | |
| Antimony, Total | 91 | | - | | 80-120 | - | | |
| Arsenic, Total | 98 | | - | | 80-120 | - | | |
| Barium, Total | 96 | | - | | 80-120 | - | | |
| Beryllium, Total | 102 | | - | | 80-120 | - | | |
| Cadmium, Total | 94 | | - | | 80-120 | - | | |
| Calcium, Total | 98 | | - | | 80-120 | - | | |
| Chromium, Total | 98 | | - | | 80-120 | - | | |
| Cobalt, Total | 97 | | - | | 80-120 | - | | |
| Copper, Total | 90 | | - | | 80-120 | - | | |
| Iron, Total | 100 | | - | | 80-120 | - | | |
| Lead, Total | 94 | | - | | 80-120 | - | | |
| Magnesium, Total | 88 | | - | | 80-120 | - | | |
| Manganese, Total | 96 | | - | | 80-120 | - | | |
| Nickel, Total | 95 | | - | | 80-120 | - | | |
| Potassium, Total | 100 | | - | | 80-120 | - | | |
| Selenium, Total | 100 | | - | | 80-120 | - | | |
| Silver, Total | 91 | | - | | 80-120 | - | | |
| Sodium, Total | 102 | | - | | 80-120 | - | | |
| Thallium, Total | 91 | | - | | 80-120 | - | | |
| Vanadium, Total | 94 | | - | | 80-120 | - | | |

Lab Control Sample Analysis **Batch Quality Control**

Project Name: BISHOP LOSS OF CONTAINMENT

Project Number: PROJ-054019

Lab Number: L2521788

Report Date: 04/21/25

| Parameter | LCS %Recovery | LCSD %Recovery | %Recovery Limits | RPD | RPD Limits |
|---|------------------|-------------------|---------------------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG2054698-2 | | | | | |
| Zinc, Total | 97 | - | 80-120 | - | |
| Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG2054709-2 | | | | | |
| Mercury, Total | 93 | - | 80-120 | - | |

Matrix Spike Analysis **Batch Quality Control**

Project Name: BISHOP LOSS OF CONTAINMENT

Project Number: PROJ-054019

Lab Number: L2521788

Report Date: 04/21/25

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|--|---------------|----------|--------------------------|--------------|------|------------------------|---------------|------|--------------------------|-----|------|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01-02 | | | QC Batch ID: WG2054698-3 | | | QC Sample: L2521788-01 | | | Client ID: GACO0408SC001 | | | |
| Aluminum, Total | 10.6J | 568 | 594 | 105 | | - | - | | 75-125 | - | | 20 |
| Antimony, Total | ND | 142 | 140 | 99 | | - | - | | 75-125 | - | | 20 |
| Arsenic, Total | ND | 34.1 | 32.9 | 96 | | - | - | | 75-125 | - | | 20 |
| Barium, Total | 6.32 | 568 | 585 | 102 | | - | - | | 75-125 | - | | 20 |
| Beryllium, Total | ND | 14.2 | 15.3 | 108 | | - | - | | 75-125 | - | | 20 |
| Cadmium, Total | ND | 15 | 14.8 | 98 | | - | - | | 75-125 | - | | 20 |
| Calcium, Total | 73.1 | 2840 | 2930 | 101 | | - | - | | 75-125 | - | | 20 |
| Chromium, Total | ND | 56.8 | 58.9 | 104 | | - | - | | 75-125 | - | | 20 |
| Cobalt, Total | ND | 142 | 144 | 101 | | - | - | | 75-125 | - | | 20 |
| Copper, Total | ND | 71 | 68.0 | 96 | | - | - | | 75-125 | - | | 20 |
| Iron, Total | 121 | 284 | 394 | 96 | | - | - | | 75-125 | - | | 20 |
| Lead, Total | ND | 150 | 144 | 96 | | - | - | | 75-125 | - | | 20 |
| Magnesium, Total | 7.33J | 2840 | 2540 | 89 | | - | - | | 75-125 | - | | 20 |
| Manganese, Total | 1.12J | 142 | 144 | 101 | | - | - | | 75-125 | - | | 20 |
| Nickel, Total | ND | 142 | 140 | 99 | | - | - | | 75-125 | - | | 20 |
| Potassium, Total | ND | 2840 | 2900 | 102 | | - | - | | 75-125 | - | | 20 |
| Selenium, Total | ND | 34.1 | 33.1 | 97 | | - | - | | 75-125 | - | | 20 |
| Silver, Total | ND | 14.2 | 13.4 | 94 | | - | - | | 75-125 | - | | 20 |
| Sodium, Total | 700 | 2840 | 3900 | 113 | | - | - | | 75-125 | - | | 20 |
| Thallium, Total | ND | 34.1 | 31.9 | 94 | | - | - | | 75-125 | - | | 20 |
| Vanadium, Total | ND | 142 | 140 | 99 | | - | - | | 75-125 | - | | 20 |

Matrix Spike Analysis

Batch Quality Control

Project Name: BISHOP LOSS OF CONTAINMENT

Project Number: PROJ-054019

Lab Number: L2521788

Report Date: 04/21/25

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | MSD Found | MSD %Recovery | Recovery Limits | RPD | RPD Limits |
|--|---------------|----------|--------------------------|--------------|------------------------|---------------|--------------------------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01-02 | | | QC Batch ID: WG2054698-3 | | QC Sample: L2521788-01 | | Client ID: GACO0408SC001 | | |
| Zinc, Total | ND | 142 | 143 | 101 | - | - | 75-125 | - | 20 |
| Total Metals - Mansfield Lab Associated sample(s): 01-02 | | | QC Batch ID: WG2054709-3 | | QC Sample: L2521788-01 | | Client ID: GACO0408SC001 | | |
| Mercury, Total | ND | 1.47 | 1.30 | 88 | - | - | 80-120 | - | 20 |

Lab Duplicate Analysis

Batch Quality Control

Project Name: BISHOP LOSS OF CONTAINMENT

Project Number: PROJ-054019

Lab Number: L2521788

Report Date: 04/21/25

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---------------|------------------|-------|-----|------|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG2054698-4 QC Sample: L2521788-01 Client ID: GACO0408SC001 | | | | | | |
| Aluminum, Total | 10.6J | 5.80J | mg/kg | NC | | 20 |
| Antimony, Total | ND | ND | mg/kg | NC | | 20 |
| Arsenic, Total | ND | ND | mg/kg | NC | | 20 |
| Barium, Total | 6.32 | 6.66 | mg/kg | 5 | | 20 |
| Beryllium, Total | ND | ND | mg/kg | NC | | 20 |
| Cadmium, Total | ND | ND | mg/kg | NC | | 20 |
| Calcium, Total | 73.1 | 142 | mg/kg | 64 | Q | 20 |
| Chromium, Total | ND | 1.55 | mg/kg | NC | | 20 |
| Cobalt, Total | ND | ND | mg/kg | NC | | 20 |
| Copper, Total | ND | ND | mg/kg | NC | | 20 |
| Iron, Total | 121 | 68.1 | mg/kg | 56 | Q | 20 |
| Lead, Total | ND | ND | mg/kg | NC | | 20 |
| Magnesium, Total | 7.33J | 18.0 | mg/kg | NC | | 20 |
| Manganese, Total | 1.12J | 0.855J | mg/kg | NC | | 20 |
| Nickel, Total | ND | ND | mg/kg | NC | | 20 |
| Potassium, Total | ND | ND | mg/kg | NC | | 20 |
| Selenium, Total | ND | ND | mg/kg | NC | | 20 |
| Silver, Total | ND | ND | mg/kg | NC | | 20 |
| Sodium, Total | 700 | 3080 | mg/kg | 126 | Q | 20 |

Lab Duplicate Analysis

Batch Quality Control

Project Name: BISHOP LOSS OF CONTAINMENT
Project Number: PROJ-054019

Lab Number: L2521788
Report Date: 04/21/25

| Parameter | Native Sample | Duplicate Sample | Units | RPD | RPD Limits |
|---|---------------|------------------|-------|-----|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG2054698-4 QC Sample: L2521788-01 Client ID: GACO0408SC001 | | | | | |
| Thallium, Total | ND | ND | mg/kg | NC | 20 |
| Vanadium, Total | ND | ND | mg/kg | NC | 20 |
| Zinc, Total | ND | ND | mg/kg | NC | 20 |
| Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG2054709-4 QC Sample: L2521788-01 Client ID: GACO0408SC001 | | | | | |
| Mercury, Total | ND | ND | mg/kg | NC | 20 |

Project Name: BISHOP LOSS OF CONTAINMENT**Lab Number:** L2521788**Project Number:** PROJ-054019**Report Date:** 04/21/25**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

NA Absent

Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---------------------|----------------------------|---------------|-----------------------|---------------------|-----------------------|-------------|-------------|-----------------------------|--|
| L2521788-01A | Glass 60mL/2oz unpreserved | NA | NA | | | Y | Absent | | A2-NFALKPAHBIOMARKER(365),BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),PB-TI(180),SE-TI(180),A2-NFSHC(365),CU-TI(180),ZN-TI(180),SB-TI(180),CO-TI(180),V-TI(180),A2-NFPIANO8260(365),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),CD-TI(180),CA-TI(180),NA-TI(180),K-TI(180) |
| L2521788-01B | Glass 60mL/2oz unpreserved | NA | NA | | | Y | Absent | | A2-NFALKPAHBIOMARKER(365),BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),PB-TI(180),SE-TI(180),A2-NFSHC(365),CU-TI(180),ZN-TI(180),SB-TI(180),CO-TI(180),V-TI(180),A2-NFPIANO8260(365),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),CD-TI(180),CA-TI(180),NA-TI(180),K-TI(180) |
| L2521788-02A | Glass 60mL/2oz unpreserved | NA | NA | | | Y | Absent | | A2-NFALKPAHBIOMARKER(365),BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TS100(),TL-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),SB-TI(180),CU-TI(180),A2-NFSHC(365),PB-TI(180),ZN-TI(180),SE-TI(180),CO-TI(180),V-TI(180),A2-NFPIANO8260(365),MG-TI(180),FE-TI(180),HG-T(28),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |

Project Name: BISHOP LOSS OF CONTAINMENT**Lab Number:** L2521788**Project Number:** PROJ-054019**Report Date:** 04/21/25**Container Information**

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---------------------|----------------------------|---------------|-----------------------|---------------------|-----------------------|-------------|-------------|-----------------------------|--|
| L2521788-02B | Glass 60mL/2oz unpreserved | NA | NA | | | Y | Absent | | A2-NFALKPAHBIOMARKER(365),BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TS100(),TL-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),SB-TI(180),CU-TI(180),A2-NFSHC(365),PB-TI(180),ZN-TI(180),SE-TI(180),CO-TI(180),V-TI(180),A2-NFPIANO8260(365),MG-TI(180),FE-TI(180),HG-T(28),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180) |

Project Name: BISHOP LOSS OF CONTAINMENT**Lab Number:** L2521788**Project Number:** PROJ-054019**Report Date:** 04/21/25

GLOSSARY

Acronyms

| | |
|----------|--|
| DL | - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) |
| EDL | - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME). |
| EMPC | - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration. |
| EPA | - Environmental Protection Agency. |
| LCS | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | - Laboratory Control Sample Duplicate: Refer to LCS. |
| LFB | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LOD | - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) |
| LOQ | - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) |
| MDL | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| MS | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values. |
| MSD | - Matrix Spike Sample Duplicate: Refer to MS. |
| NA | - Not Applicable. |
| NC | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| NDPA/DPA | - N-Nitrosodiphenylamine/Diphenylamine. |
| NI | - Not Ignitable. |
| NP | - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil. |
| NR | - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests. |
| RL | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples. |
| STLP | - Semi-dynamic Tank Leaching Procedure per EPA Method 1315. |
| TEF | - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD. |
| TEQ | - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values. |
| TIC | - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations. |

Report Format: DU Report with 'J' Qualifiers

Project Name: BISHOP LOSS OF CONTAINMENT
Project Number: PROJ-054019

Lab Number: L2521788
Report Date: 04/21/25

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenzo(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers



Project Name: BISHOP LOSS OF CONTAINMENT
Project Number: PROJ-054019

Lab Number: L2521788
Report Date: 04/21/25

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: BISHOP LOSS OF CONTAINMENT
Project Number: PROJ-054019

Lab Number: L2521788
Report Date: 04/21/25

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Pace Analytical Services LLCFacility: **Northeast**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 27

Published Date: 01/24/2025

Page 1 of 2

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**EPA 624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625.1:** alpha-Terpineol**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****SM 2540D:** TSS.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

MADEP-APH.**Nonpotable Water:** EPA RSK-175 Dissolved Gases**Biological Tissue Matrix:** EPA 3050B**Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048****EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Nonpotable Water: EPA RSK-175 Dissolved Gases

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048**Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)**

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables).**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg. EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

Pace Analytical Services LLCID No.: **17873**Facility: **Northeast**

Revision 27

Department: **Quality Assurance**

Published Date: 01/24/2025

Title: Certificate/Approval Program Summary

Page 2 of 2

Certification IDs:**Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**

CT PH-0826, IL 200077, IN C-MA-03, KY JY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 3090, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048

ANAB/DoD L2474, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

For a complete listing of analytes and methods, please contact your Project Manager.

4/10/25

Chain of Custody

L2521788

Environmental Forensics Practice LLC

[illegible]

Part # 166297485, 88029-53P 03/28

SHIP DATE: 09APR25
 ACTWT: 1.80 LB
 CSD: 8894211/SSFE2600
 DIMS: 8x8x11 IN
 BILL THIRD PARTY

ORIGIN ID:CKYV (459) 346-6784
 CTR/TOXICOLOGY ENVIRO HLTH
 5120 NORTHSORE DR
 NORTH LITTLE ROCK, AR 72118
 UNITED STATES US

TO PACE/ALPHA LABORTORIES

ATTN: SUE ONEIL

320 FORBES BLVD

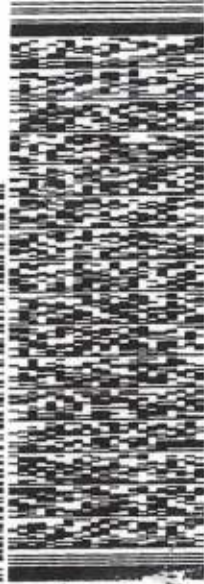
REF# PROG - 054019

MANSFIELD MA 02048

(508) 844-4117
 (508) 844-4117
 201

DEPT:

FedEx
 Express

THU - 10 APR 9:00A
 FIRST OVERNIGHT

RK# 2873 9750 8231
 201

X1 PYMA

02048
 MA-US BOS

