



MOVE YOUR ENVIRONMENT FORWARD

## IMMEDIATE RESPONSE ACTION PLAN

### **Truro Department of Public Works**

17 Town Hall Road  
Truro, MA 02666

Release Tracking Number (RTN): 4-50454

#### Prepared By:

HRP Associates, Inc.  
13 Court Street  
Plymouth, MA 02360

HRP #: TRU2501.P2

Issued On: September 3, 2024



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## GENERAL INFORMATION

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**Site Location:**

Truro Department of Public Works  
17 Town Hall Road  
Truro, MA 02666

**RTN:** 4-50454

**Consultant Information:**

HRP Associates, Inc.  
13 Court Street  
Plymouth, MA 02360  
[www.hrpassociates.com](http://www.hrpassociates.com)  
Phone: (781) 210-9840  
Project Number: TRU2501.P2

**Report Author:**

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Sutherland Lamond  
Project Consultant

**LSP of Record and  
Principal in Charge:**

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Bryan Massa, LSP  
Principal and Regional Manager

## 1.0 INTRODUCTION

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HRP Associates, Inc. (HRP) has been contracted by the Town of Truro Department of Public Works (DPW) to develop this Immediate Response Action (IRA) Plan for a release of petroleum to subsurface soil. The petroleum was encountered by HRP during a limited subsurface investigation (LSI) at the DPW facility located at 17 Town Hall Road, Truro, Massachusetts (the “Site”) on July 11, 2024. The Site is depicted on Figure 1 (Locus) and Figure 2 (Site Plan).

The LSI was completed at the request of the Truro DPW to evaluate if the operation of the Site as a DPW facility since the 1950s resulted in a reportable release of oil and/or hazardous materials (OHM) to the environment. The LSI included the completion of a ground penetrating radar (GPR)/electro-magnetic (EM) survey, the excavation of test pits, the advancement of soil borings, the installation of monitoring wells, and the collection of soil and groundwater samples for laboratory analysis.

A two-hour reporting obligation to the Massachusetts Department of Environmental Protection (MassDEP) was encountered at the Site during the excavation of test pit TP-5 (Figure 2) on July 11, 2024. This test pit location targeted a metal anomaly identified during the GPR/EM survey completed on July 9, 2024 (Refer to Appendix A). At the time of the test pit, it was unclear what the metal anomaly was, and the Truro DPW had no records documenting the presence of an underground storage tank (UST) in the area. After excavating approximately two feet below grade, an approximate 275-gallon metal tank containing what appeared to be a mixture of waste oil, fuel oil and/or gasoline and six 55-gallon metal drums (also appearing to contain residual petroleum products) were encountered. The tank and drums were corroded, and it appeared that at least 10 to 20 gallons of waste oil, diesel fuel, and/or gasoline had been released to the subsurface. The 275-gallon metal tank appeared to still contain approximately 50 gallons of petroleum. Excavation of test pit TP-5 was stopped and the MassDEP and Truro Fire Department were immediately contacted before IRA activities were initiated. Subsequent fingerprinting of soil samples by Alpha Analytica identified the petroleum product as a combination of “material similar to gasoline and material which is similar to hydraulic, lubricating, or motor oil type product”. For the purposes of this report, the term petroleum refers to a mixture of gasoline, hydraulic oil, lubricating oil, fuel oil, and/or motor oil.

HRP has prepared this IRA Plan in accordance with the 2024 Massachusetts Contingency Plan 310 CMR 40.0000 (MCP) on behalf of the Responsible Party. Additional details regarding the release and response actions completed at the Site are detailed below.

## **2.0 RESPONSIBLE PARTY**

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*Pursuant to 310 CMR 40.0424 (a), the name, address, telephone number and relationship of the person assuming responsibility for conducting the IRA is set forth below*

Mr. Jarrod J. Cabral, Director of Public Works  
Town of Truro Department of Public Works  
17 Town Hall Road  
Truro, MA 02666  
508-214-0400

### 3.0 **RELEASE BACKGROUND AND SITE CONDITIONS**

---

An IRA was implemented due to the sudden release of petroleum from a 275-gallon metal tank and six (6) 55-gallon metal drums that were unearthed during LSI activities. *Pursuant to 310 CMR 40.0424 (b), a description of the release or threat of release, site conditions, and surrounding receptors is set forth below.*

- The Town of Truro contracted HRP to complete an LSI to determine if the historic operation of a DPW facility at the Site since the 1950s had resulted in a reportable release of OHM to the environment. The Town of Truro plans to redevelop the Site with a new DPW facility in the future. The LSI included the completion of the following:
  - A GPR/EM survey (Appendix A) to determine the presence of buried metallic objects and to locate private utilities in the area of the subsurface sampling locations (Figure 2).
  - Excavation of 12 test pits, advancement of 22 soil borings, and the installation of five monitoring wells (Figure 2).
  - Collection of soil and groundwater samples for laboratory analysis of volatile petroleum hydrocarbons (VPH), volatile organic compounds (VOCs), extractable petroleum hydrocarbons (EPH), polycyclic aromatic hydrocarbons (PAHs), semi-volatile organic compounds (SVOCs), MCP 14 metals, pesticides, herbicides, polychlorinated biphenyls (PCBs), and/or per- and polyfluoroalkyl substances (PFAS). Laboratory samples were submitted to Alpha Analytical, a Massachusetts certified laboratory. Tabulated analytical data is included as Table 1 through Table 4 and laboratory reports are included in Appendix B. Test pit logs, soil boring logs and monitoring well construction logs are included in Appendix C.
  - HRP initiated the LSI at the Site on July 9, 2024 (GPR/EM) and began intrusive work on July 11, 2024.
- At approximately 7:15 am on July 11, 2024, HRP unearthed a 275-gallon metal tank containing petroleum and six (6) 55-gallon drums containing residual petroleum during a test pit excavation at depth of approximately 2.0 feet below grade. The tank and drums were corroded and in poor condition. During the excavation, it was clear that at least 10 to 20 gallons of petroleum had been released to the subsurface. The tank appeared to contain approximately 50 gallons of petroleum that had not been released. Pertinent photographic documentation is included in Appendix D.
- The release occurred on the northern portion of the Site, adjacent to the vehicle storage area and to the immediate north of the salt shed building. The DPW facility consists of a parking area, fuel filling station (above ground storage tank), office building, equipment storage, salt shed, and a three bay vehicle maintenance area. The approximate location of the release and excavation area (TP-5) is indicated on Figure 2.
- At approximately 7:50 am on July 11, 2024, the Town of Truro Fire Department was contacted by the Truro DPW. Lieutenant Anderson and five fire department officials arrived onsite at 8:00 am. At approximately 7:54 am, Bryan Massa, LSP with HRP, contacted the MassDEP on behalf of the Truro DPW. An IRA plan was verbally discussed with Mr. Jaime Goncalves of the MassDEP that included the following tasks:
  - Continued subsurface assessment activities including the excavation of test pits, advancement of soil borings and the installation of monitoring wells.

- Collection of soil and groundwater samples for laboratory analysis.
- Removal and disposal of the tank/drums from the subsurface and any fluids/solids removed from the tank and drums including non-aqueous phase liquids and wash water.
- Excavation and off-site disposal of up to 50 cubic yards of soil.
- As indicated on Figure 3, the Site has a transient non-community public water supply well (Public Water System 4300041) that provides water to the entire Truro Town Hall campus. According to MassDEP records, the well services between 50 and 70 people. The well provides drinking water that meets the current regulatory standards. The well is located approximately 250 feet away from the release in a presumably hydrogeologically downgradient direction. Groundwater is located approximately 117 to 121 feet below grade. A copy of the 2024 Certificate of Registration and 2023 drinking water report for the well is included in Appendix E.
- As indicated on Figure 3, the Site is located within a medium yield aquifer, an EPA Sole Source Aquifer and is located within 500 feet of two areas of protected open space. No wetlands, surface water, or Natural Heritage Endangered Species Priority Habitat or other sensitive environmental areas are located within 500 feet of the Site.
- The Site is in a primarily residential and wooded area as indicated on Figure 2. Wooded areas abut the Site to the north, with Meeting House Road and residences beyond. Town Hall Road abuts the Site to the south with the Town Hall, wooded areas, and residences beyond. Wooded areas and residences abut the Site to the east and west.

#### **4.0 IRA EXCAVATION AND ASSESSMENT ACTIVITIES**

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*Pursuant to 310 CMR 40.0424 (c), a description of any Immediate Response Actions undertaken are set forth below.*

- Following the verbal approval of the IRA plan, and fire department presence, at approximately 8:30 am on July 11, 2024, DPW officials continued excavating test pit TP-5. The leaking metal tank and six 55-gallon metal drums were removed from the excavation under the direction of HRP. The tank was placed into an loader bucket and petroleum product was then pumped into one (1) 55-gallon drum for off-Site disposal. The 55-gallon drum of petroleum product was sent to the Wester Oil facility located in Lincoln, RI under a hazardous Waste Manifest (Appendix F).
- The tank and drums were then placed into a double lined containment pad with absorbent pads and covered with polyethylene sheeting for future cleaning and off-site disposal (Refer to the Photo Log in Appendix D) by Reworld Remediation Services (Reworld) formerly known as Global Remediation services. A copy of the tank removal permit issued by the Truro Fire Department and documentation that the cleaned tank and drums were sent to an approved recycling facility (Middleborough Recycling) are included in Appendix G.
- An excavator was then used to stockpile the impacted soil on polyethylene sheeting adjacent to the excavation. Approximately 40 cubic yards of petroleum impacted soil was removed from the excavation. The final excavation was approximately 20 feet long, 9 feet wide, and 6 feet below grade. The stockpile was covered with polyethylene sheeting within a secure area of the DPW facility pending off-site disposal at Clean Earth ESMI facility located in Loudon, NH. A layer of polyethylene sheeting was placed at the base of the excavation and the DPW staff backfilled the excavation with clean backfill obtained from PA Landers. Photographical documentation is included in Appendix D.
- During excavation activities, HRP periodically collected soil samples for total organic vapors (TOV) analysis with a photoionization detector (PID) calibrated to isobutylene using the jar headspace method. The TOV PID values along with visual and olfactory observations were used to guide the excavation. The final post excavation PID TOV locations along with post excavation soil samples are indicated on Figure 4. TOV PID concentrations for the final post excavation sampling locations are included in Appendix C. Post excavation conformation sample locations were chosen based on TOV PID values along with visual and olfactory observations.
- During all intrusive activities, HRP conducted air monitoring in the vicinity of the IRA excavation (TP-5) using a photoionization detector (PID). The PID concentrations in ambient air in the vicinity of the excavation ranged from less than 0.1 to a maximum of 3.2 ppm.
- Upon completion of the excavation, HRP collected three post excavation conformation samples (TP-5 (4-6) N, TP-5 (6-8) W, and TP-5 (6-8) S), for analysis of VOCs, MCP 14 metals, EPH, SVOCs, VPH, PCBs, herbicides, and/or pesticides. Each location was field screened for TOV PID calibrated to isobutylene using the jar headspace method. TOV PID ranged from less than 0.1 to 235.5 ppm. The post excavation sample locations are indicated on Figure 4 and tabulated analytical results are included on Table 1. Laboratory reports are included in Appendix B. As indicated on the attached tables, no analytes were detected above the applicable Method 1 soil standards, or the Reportable Concentration for S-1 soil (RCS-1) values.
- On July 11, 2024, after the completion of IRA excavation activities, the Truro DPW under the direction of HRP excavated eleven test pit assessments (TP-1 through TP-4 and TP-6 through 12) with depths



ranging from two to ten feet below grade at the locations indicated on Figure 2. Several inches of gravel and fill was underlain at all locations with fine to medium sand. All locations were field screened for TOV PID using the jar headspace method. TOV PID concentrations ranged from <0.1 to 10.8 ppm. Twelve soil samples were subsequently collected for analysis of VOCs, MCP 14 metals, EPH, PAHs, VPH, PCBs, pesticides, and/or herbicides. Tabulated analytical results are included on Table 1. Laboratory reports are included in Appendix B and test pit logs are included in Appendix C. As indicated on the attached table, no analytes were detected above the applicable Method 1 soil standards or the RCS-1 values.

- On July 12, 2024, MassDEP met with Bryan Massa, LSP at the Site to inspect the release area and discuss future response actions.
- On July 18, 2024, HRP met Reworld and the Truro Fire Chief to prepare the 275-gallon metal tank and six 55-gallon metal drums removed from the excavation for disposal. Reworld used absorbent pads, simple green and wash water to clean petroleum residues from the tank and drums before disposing of them at Middleborough Recycling, an approved tank yard on July 18, 2024. A copy of the removal permit issued by the Truro Fire Department is included in Appendix G.
- A total of five (5) drums containing the absorbent pads and wash water were generated during the tank and drum decontamination. The drums containing the decontamination materials were labeled and stored for off-Site disposal. All waste was removed by Reworld under a hazardous waste manifest on August 14, 2024, for disposal at Northland Environmental, LLC in Providence, Rhode Island. A copy of the manifest is included in Appendix F.
- On July 25, 2004, approximately 40 cubic yards of petroleum impacted soil was removed from the Site for thermal desorption at the Clean Earth ESMI disposal facility located in Loudon, NH. Disposal documents are included in Appendix F and waste characterization analytical results are included as Table 2. In total, 49.49 tons of soil was transported to ESMI for treatment. Refer to Appendix F for waste disposal documentation.
- Between July 19, 2024, and August 5, 2024, HRP advanced 22 soil borings to depths ranging from twelve to twenty feet below grade at the locations indicated on Figure 2. All locations were field screened for TOV PID using the jar headspace method. TOV PID concentrations were less than <0.1 ppm at all sample locations, except for SB-18. PID concentrations at SB-18 ranged from 16.0 to 51.3 ppm. Thirteen soil samples were subsequently collected for analysis of VOCs, MCP 14 metals, VPH, PCBs, EPH, PAHs, SVOCs, PFAS, pesticides and/or herbicides. The soil boring locations are indicated on Figure 2 and tabulated analytical results are included on Table 3. Soil boring logs are included in Appendix C. As indicated on the attached table, with the exception of PFAS detected at one location (SB-7), no other OHM were detected in any of the soil sample locations above the applicable Method 1 soil standards or RCS-1 values. The Town of Truro will submit a Release Notification Form consistent with the 120-day notification requirements to MassDEP under separate cover for the PFAS detection in soil. Delineation of the PFAS impacts is ongoing and will be managed under a separate RTN.
- Between July 29, 2024, and August 2, 2024, HRP directed Desmond Drilling to install five monitoring wells (MW-1 through MW-5) at the locations indicated on Figure 3. The monitoring wells were then developed after installation and were allowed to equilibrate for a minimum week before sampling. Depth to water ranged from 116.91 to 121.89 feet below grade. Monitoring well construction logs are included in Appendix C.

- On August 14, 2024, and August 15, 2024, HRP purged five well volumes from each of the wells using low flow sampling techniques and then collected groundwater samples for analysis of VOCs, SVOCs, VPH, PAHs, EPH, PCBs, pesticides, herbicides, dissolved MCP 14 metals, 1,4-Dioxane, and ethylene dibromide (EDB). Samples for volatile analysis were collected with a bailer. All other samples were collected from a PFAS free submersible pump. The monitoring well locations are indicated on Figure 2 monitoring well construction logs are included in Appendix C. As indicated on Table 4, no analytes were detected above the applicable Method 1 standards or the Reportable Concentration for GW-1 (RCGW-1) values. Laboratory reports are included in Appendix B.
- It should be noted that as part of the post IRA soil boring investigation, one monitoring well was installed in the center of the IRA excavation (SB-12/MW-3) and four soil borings (SB-8 through SB-11) were installed adjacent to the excavation as indicated on Figure 4. Soil and groundwater samples were collected and submitted for laboratory analysis of VOCs, VPH, SVOCs, PAHs, EPH, PCBs, pesticides, herbicides, dissolved MCP 14 metals, 1,4-Dioxane, and/or EDB. As indicated on Table 3 and Table 4, no analytes were detected above the applicable Method 1 standards or the RCS-1 or RCGW-1 values. Laboratory reports are included in Appendix B.

## **5.0 IRA EVALUATION AND NEED FOR IRA**

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*Pursuant to 310 CMR 40.0424 (d), the evaluation of need for an IRA is set forth below.*

As set forth in 310 CMR 0412, an IRA shall be conducted under any of the following instances:

- *Sites or vessels where a release or threat of release of oil and/or hazardous material has occurred which requires notification to the Department under the "Two Hour" notification provisions of 310 CMR 40.0311 or 40.0312;*
- *Sites where a release or threat of release of oil and/or hazardous material has occurred which requires notification to the Department under the "72 Hour" notification provisions of 310 CMR 40.0313 or 40.0314;*
- *Sites where a release of oil and/or hazardous material has resulted in conditions which have been determined to pose an Imminent Hazard pursuant to 310 CMR 40.0950; and*
- Any other site or vessel where the Department determines that immediate or accelerated response actions are necessary to prevent, eliminate, or minimize damage to health, safety, public welfare or the environment.

IRA activities are being conducted because a release of oil to the environment occurred that required notification to the MassDEP under the "Two Hour" notification provisions of 310 CMR 40.0311(3).

## 6.0 **CONTINUED IRA ACTIVITIES**

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*Pursuant to 310 CMR 40.0424 (e), the objective(s), Specific plan(s) and proposed schedule for the Immediate Response Action, including, as appropriate, plans and/or sketches of the site and any proposed investigative and/or remedial installations is set forth below.*

- The response actions completed by HRP are sufficient to document a condition of No Significant Risk. HRP will document this finding in an IRA Completion Report and Permanent Solution Statement with No Conditions. HRP anticipates submitting this report to the MassDEP on or before November 8, 2024.

## 7.0 **MANAGEMENT OF REMEDIAL WASTE**

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*Pursuant to 310 CMR 40.0424 (f), a statement as to whether Remediation Waste will be excavated, collected stored, treated or re-used at the site is set forth below.*

Remedial waste was appropriately stored onsite within a secure area of the DPW facility. As indicated below, the following remediation waste was generated and then disposed of off-Site as follows:

- July 11, 2024, petroleum product recovered from the tank was pumped into one (1) 55-gallon metal drum for off-Site disposal. The 55-gallon drum of petroleum product was sent to the Wester Oil facility located in Lincoln, RI under a hazardous Waste Manifest (Appendix F).
- On July 18, 2024, Reworld used absorbent pads, simple green and wash water to clean petroleum residues from the tank and drums removed from the ground before disposing of them at Middleborough Recycling, an approved tank yard on July 18, 2024. As indicated above, the tank and drums were stored within and covered with polyethylene sheeting pending the cleaning.
- A total of five (5) drums containing the absorbent pads and wash water were generated during the tank and drum decontamination on July 18, 2024. The drums containing the decontamination materials were labeled and stored for off-Site disposal. All waste was removed by Reworld under a hazardous waste manifest on August 14, 2024, for disposal at Northland Environmental, LLC in Providence, Rhode Island. A copy of the manifest is included in Appendix F.
- On July 25, 2004, approximately 40 cubic yards of petroleum contaminated soil was removed from the Site for thermal desorption at the Clean Earth ESMI disposal facility located in Loudon, NH. Pending disposal, the soil was stored on and covered with polyethylene sheeting. Disposal documents are included in Appendix F and waste characterization analytical results are included as Table 2. In total, 49.49 tons of soil was transported to ESMI for treatment. Refer to Appendix F for waste disposal documentation.

## **8.0 ENVIRONMENTAL MONITORING PLAN**

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*Pursuant to 310 CMR 40.0424 (g), when appropriate, a proposed environmental monitoring plan, for implementation during and/or after the IRA.*

As indicated above in Section 6, the response actions completed by HRP are sufficient to document a condition of No Significant Risk at the Site. As such, an environmental monitoring plan is not necessary.

## **9.0 FEDERAL, STATE OR LOCAL PERMITS**

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*Pursuant to 310 CMR 40.0424 (h), a listing of federal, state or local permits that will likely be needed to conduct the Immediate Response Action is set forth below.*

Except for the tank disposal permit issued by the Truro Fire Department (Appendix G), no Federal, state or local permits were needed to conduct the Immediate Response Action at the Site.

#### **10.0 NAME, LICENSE NUMBER, SIGNATURE, AND SEAL OF THE LSP**

---

Pursuant to 310 CMR 40.0424(i), the name, license number, signature, and seal of the Licensed Site Professional (LSP) who prepared the Immediate Response Action Plan is set forth on the MassDEP Transmittal Form (BWSC105) that is being submitted concurrently with this report.



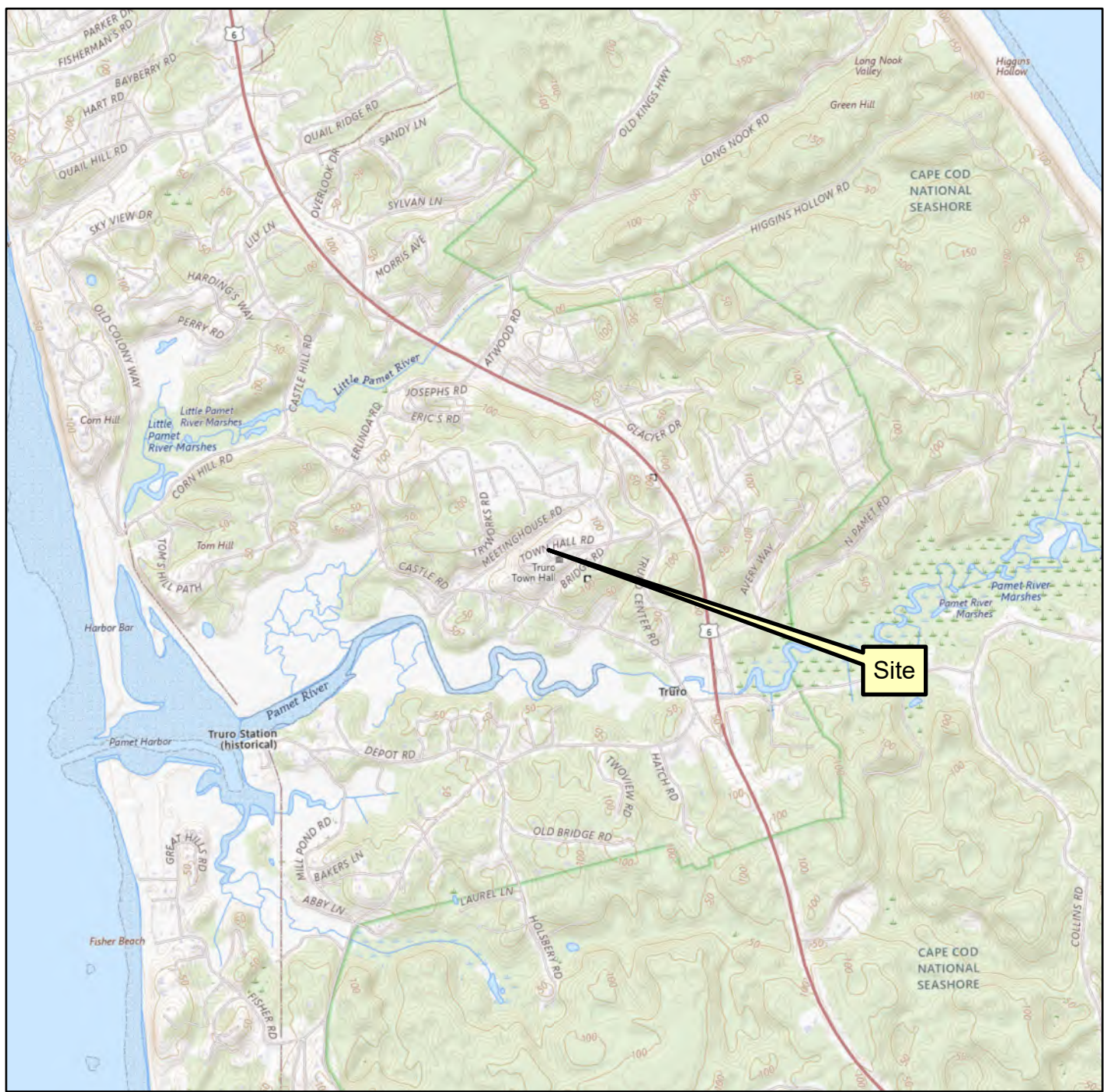
## **11.0 OTHER RELEVANT INFORMATION REQUESTED BY THE MASSDEP**

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*Pursuant to 310 CMR 40.0424 (j), such other information as the Department may deem appropriate and necessary, based on site specific conditions, in order to review and evaluate the Immediate Response Action Plan in question.*

The MassDEP has not requested any other information that it has deemed appropriate or necessary to review and evaluate the IRA plan.

# FIGURES



0 1,000 2,000 4,000 6,000 8,000 Feet  
1:24,000



USGS Quadrangle Information  
Quad ID: 41070-H1  
Quad Name: Wellfleet, Massachusetts

**Figure 1**  
**Site Locus Map**  
**17 Town Hall Road**  
**Truro, Massachusetts**  
**HRP # TRU2501.P2**  
**Scale 1" = 2,000'**



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Path: V:\Data\MAINT\TRUTO - TOWN OF TRURO\17 TOWN HALL ROAD, TRURO, MA\TRU2501P2 - DPW Phase II\GIS\Figures.aprx

Monitoring Well

Geotechnical Boring

Soil Boring

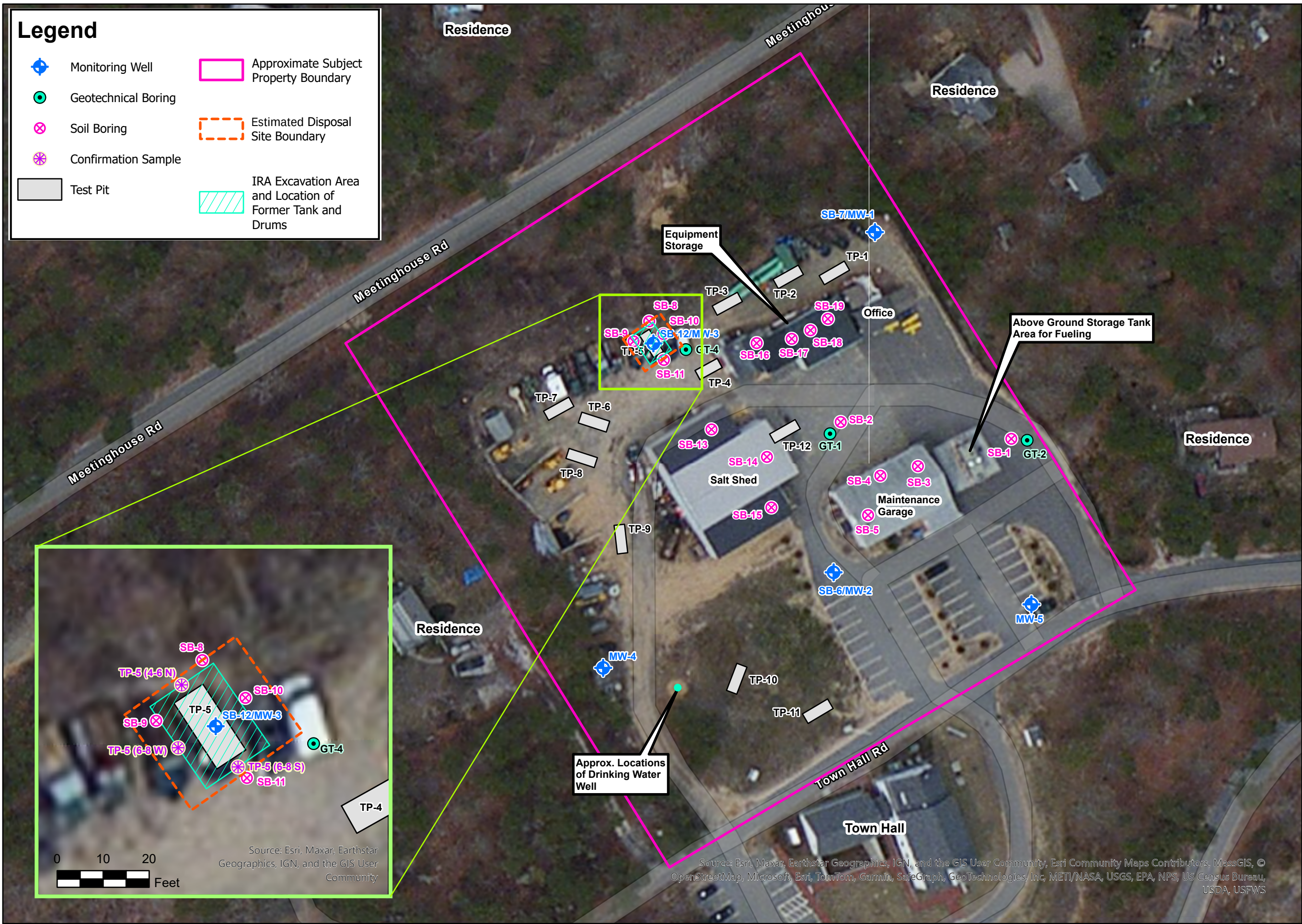
Confirmation Sample

Test Pit

Approximate Subject Property Boundary

Estimated Disposal Site Boundary

IRA Excavation Area and Location of Former Tank and Drums





MOVE YOUR ENVIRONMENT FORWARD

197 SCOTT SWAMP ROAD  
FARMINGTON, CT 06032  
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North

0 30 60 Feet

|              |            |             |            |              |       |
|--------------|------------|-------------|------------|--------------|-------|
| Revisions    | No.        | Date        |            |              |       |
|              |            |             |            |              |       |
| Designed By: | SL         | Drawn By:   | BOB        | Reviewed By: | BM    |
| Issue Date:  | 08/14/2024 | Project No: | TRU2500.P2 | Sheet Size:  | 11x17 |

Site Plan

17 Town Hall Road  
Truro, Massachusetts

Figure No.

2



# MassDEP - Bureau of Waste Site Cleanup

## Phase 1 Site Assessment Map: 500 feet & 0.5 Mile Radii

### Site Information:

TRURO DPW  
17 TOWN HALL ROAD TRURO, MA  
4-000050454

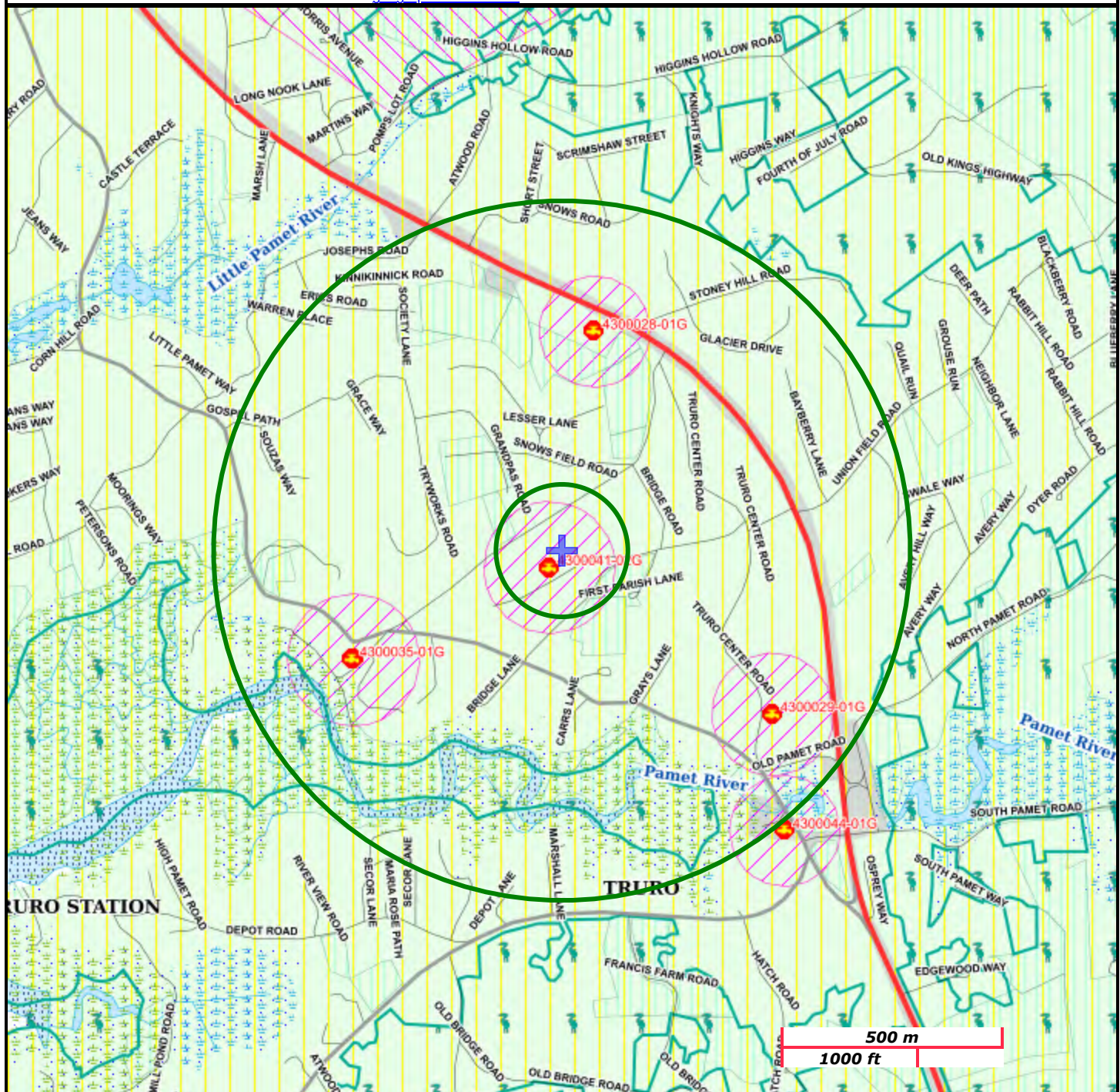
NAD83 UTM Meters:  
4650209mN, 412511mE (Zone: 19)  
July 29, 2024

The information shown is the best available at the date of printing. However, it may be incomplete. The responsible party and LSP are ultimately responsible for ascertaining the true conditions surrounding the site. Metadata for data layers shown on this map can be found at:  
<https://www.mass.gov/orgs/massgis-bureau-of-geographic-information>.



# MassDEP

Commonwealth of Massachusetts  
Department of Environmental Protection



Roads: Limited Access, Divided, Other Hwy, Major Road, Minor Road, Track, Trail

Boundaries: Town, County, DEP Region; Train; Powerline; Pipeline; Aqueduct

Basins: Major, PWS; Streams: Perennial, Intermittent, Man Made Shore, Dam

Aquifers: Medium Yield, High Yield, EPA Sole Source

Non Potential Drinking Water Source Area: Medium, High (Yield)

PWS Protection Areas: Zone II, IWPA, Zone A

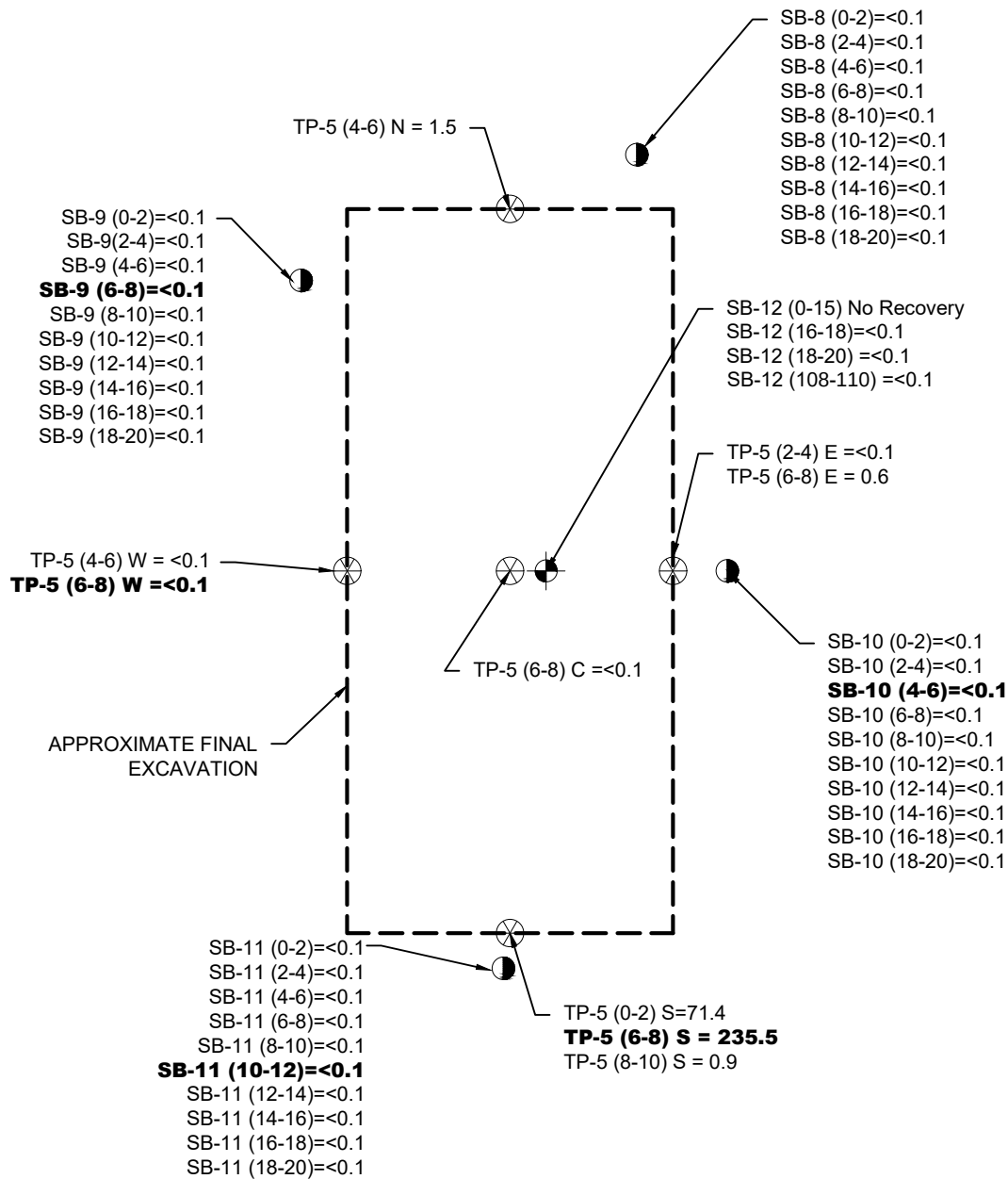
Hydrography: Open Water, PWS Reservoir, Tidal Flat

Wetlands: Freshwater, Saltwater, Cranberry Bog

FEMA 100yr Floodplain; Protected Open Space; ACEC

NHESP Pr-Hab of Rare Species; Vernal Pool: Cert., Potential

Solid Waste Landfill; PWS: Com. GW, SW, Emerg., Non-Com.



- ⊗ -POST EXCAVATION GRAB SAMPLE  
● -POST EXCAVATION SOIL BORING LOCATION  
⊕ -POST EXCAVATION SOIL BORING/MONITORING WELL LOCATION  
**BOLD** -SAMPLE SUBMITTED FOR LABORATORY ANALYSIS



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## FINAL EXCAVATION TOV PID FIELD SCREENING MAP AND ANALYTICAL SAMPLE LOCATIONS

17 TOWN HALL ROAD  
TRURO, MASSACHUSETTS

1" = 5'

SCALE:

08/29/2024

ISSUE DATE:

TRU2501.P2

PROJECT NUMBER:

# Fig. 4

SHEET NO.

# TABLES

Table 1 - Test Pit Analytical Results

Truro Department of Public Works  
17 Town Hall Road, Truro, MA

|                                                                              | SAMPLE ID:                        |          |          | TP1-0-2     | TP1-4-6     | TP2-2-4     | TP3-8-10    | TP4-6-8     | TP5-4-6-N   | TP5-6-8-W   | TP5-6-8S    | TP7-4-6     | TP8-0-2     | TP9-2-4     | TP12-2-4    |
|------------------------------------------------------------------------------|-----------------------------------|----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                                                                              | TOV PID:                          |          |          | <0.1        | <0.1        | <0.1        | 10.8        | <0.1        | <0.1        | <0.1        | 235.5       | <0.1        | <0.1        | <0.1        | 0.6         |
|                                                                              | LAB ID:                           |          |          | L2439378-01 | L2439378-02 | L2439378-03 | L2439378-04 | L2439378-05 | L2439394-01 | L2439394-02 | L2439394-03 | L2439378-08 | L2439378-09 | L2439378-06 | L2439378-07 |
|                                                                              | COLLECTION DATE:                  |          |          | 7/12/2024   | 7/12/2024   | 7/12/2024   | 7/12/2024   | 7/12/2024   | 7/12/2024   | 7/12/2024   | 7/12/2024   | 7/11/2024   | 7/12/2024   | 7/12/2024   | 7/11/2024   |
| SAMPLE MATRIX:                                                               |                                   |          |          | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        |
| 2024 Applicable MCP Reportable Concentrations and Method 1 Standards (mg/kg) | RCS-1                             | S-1/GW-1 | S-1/GW-3 |             |             |             |             |             |             |             |             |             |             |             |             |
|                                                                              | MCP VOLATILE ORGANICS BY EPA 5035 |          |          |             |             |             |             |             |             |             |             |             |             |             |             |
| Methylene chloride                                                           | 0.1                               | 0.1      | 300      | <0.0041     | NA          | <0.0055     | <0.0054     | <0.0049     | <0.0055     | <0.0055     | <0.005      | <0.0052     | <0.0056     | <0.0053     | <0.0033     |
| 1,1-Dichloroethane                                                           | 0.4                               | 0.4      | 500      | <0.0083     | NA          | <0.011      | <0.011      | <0.0098     | <0.011      | <0.011      | <0.01       | <0.01       | <0.011      | <0.01       | <0.0066     |
| Chloroform                                                                   | 0.2                               | 0.4      | 500      | <0.012      | NA          | <0.016      | <0.016      | <0.015      | <0.016      | <0.017      | <0.015      | <0.015      | <0.017      | <0.016      | <0.0099     |
| Carbon tetrachloride                                                         | 5                                 | 10       | 30       | <0.0083     | NA          | <0.011      | <0.011      | <0.0098     | <0.011      | <0.011      | <0.01       | <0.01       | <0.011      | <0.01       | <0.0066     |
| 1,2-Dichloropropane                                                          | 0.1                               | 0.1      | 60       | <0.0083     | NA          | <0.011      | <0.011      | <0.0098     | <0.011      | <0.011      | <0.01       | <0.01       | <0.011      | <0.01       | <0.0066     |
| Dibromochloromethane                                                         | 0.005                             | 0.005    | 30       | <0.0083     | NA          | <0.011      | <0.011      | <0.0098     | <0.011      | <0.011      | <0.01       | <0.01       | <0.011      | <0.01       | <0.0066     |
| 1,1,2-Trichloroethane                                                        | 0.1                               | 0.1      | 40       | <0.0083     | NA          | <0.011      | <0.011      | <0.0098     | <0.011      | <0.011      | <0.01       | <0.01       | <0.011      | <0.01       | <0.0066     |
| Tetrachloroethene                                                            | 1                                 | 1        | 100      | <0.0041     | NA          | <0.0055     | <0.0054     | <0.0049     | <0.0055     | <0.0055     | <0.005      | <0.0052     | <0.0056     | <0.0053     | <0.0033     |
| Chlorobenzene                                                                | 1                                 | 1        | 100      | <0.0041     | NA          | <0.0055     | <0.0054     | <0.0049     | <0.0055     | <0.0055     | <0.005      | <0.0052     | <0.0056     | <0.0053     | <0.0033     |
| Trichlorofluoromethane                                                       | 1,000                             | NS       | NS       | <0.0033     | NA          | <0.0044     | <0.0044     | <0.0039     | <0.0044     | <0.0044     | <0.004      | <0.004      | <0.004      | <0.004      | <0.0026     |
| 1,2-Dichloroethane                                                           | 0.1                               | 0.1      | 30       | <0.0083     | NA          | <0.011      | <0.011      | <0.0098     | <0.011      | <0.011      | <0.01       | <0.01       | <0.011      | <0.01       | <0.0066     |
| 1,1,1-Trichloroethane                                                        | 30                                | 30       | 500      | <0.0041     | NA          | <0.0055     | <0.0054     | <0.0049     | <0.0055     | <0.0055     | <0.005      | <0.0052     | <0.0056     | <0.0053     | <0.0033     |
| Bromodichloromethane                                                         | 0.1                               | 0.1      | 40       | <0.0041     | NA          | <0.0055     | <0.0054     | <0.0049     | <0.0055     | <0.0055     | <0.005      | <0.0052     | <0.0056     | <0.0053     | <0.0033     |
| trans-1,3-Dichloropropene                                                    | 0.01                              | 0.01     | 20       | <0.0083     | NA          | <0.011      | <0.011      | <0.0098     | <0.011      | <0.011      | <0.01       | <0.01       | <0.011      | <0.01       | <0.0066     |
| cis-1,3-Dichloropropene                                                      | 0.01                              | 0.01     | 20       | <0.0041     | NA          | <0.0055     | <0.0054     | <0.0049     | <0.0055     | <0.0055     | <0.005      | <0.0052     | <0.0056     | <0.0053     | <0.0033     |
| 1,3-Dichloropropene, Total                                                   | 0.01                              | 0.01     | 20       | <0.0041     | NA          | <0.0055     | <0.0054     | <0.0049     | <0.0055     | <0.0055     | <0.005      | <0.0052     | <0.0056     | <0.0053     | <0.0033     |
| 1,1-Dichloropropene                                                          | NS                                | NS       | NS       | <0.0041     | NA          | <0.0055     | <0.0054     | <0.0049     | <0.0055     | <0.0055     | <0.005      | <0.0052     | <0.0056     | <0.0053     | <0.0033     |
| Bromoform                                                                    | 0.1                               | 0.1      | 300      | <0.0033     | NA          | <0.0044     | <0.0044     | <0.0039     | <0.0044     | <0.0044     | <0.004      | <0.004      | <0.004      | <0.004      | <0.0026     |
| 1,1,2,2-Tetrachloroethane                                                    | 0.005                             | 0.005    | 10       | <0.0041     | NA          | <0.0055     | <0.0054     | <0.0049     | <0.0055     | <0.0055     | <0.005      | <0.0052     | <0.0056     | <0.0053     | <0.0033     |
| Benzene                                                                      | 2                                 | 2        | 40       | <0.0041     | NA          | <0.0055     | <0.0054     | <0.0049     | <0.0055     | 0.04        | 0.02        | <0.0052     | <0.0056     | <0.0053     | <0.0033     |
| Toluene                                                                      | 30                                | 30       | 500      | <0.0083     | NA          | <0.011      | <0.011      | <0.0098     | <0.011      | 0.049       | 0.32        | <0.01       | <0.011      | <0.01       | <0.0066     |
| Ethylbenzene                                                                 | 40                                | 40       | 500      | <0.0083     | NA          | <0.011      | <0.011      | <0.0098     | <0.011      | <0.011      | 0.14        | <0.01       | <0.011      | <0.01       | <0.0066     |
| Chloromethane                                                                | 100                               | NS       | NS       | <0.0033     | NA          | <0.0044     | <0.0044     | <0.0039     | <0.0044     | <0.0044     | <0.004      | <0.004      | <0.004      | <0.004      | <0.0026     |
| Bromomethane                                                                 | 0.5                               | 0.5      | 30       | <0.016      | NA          | <0.022      | <0.022      | <0.02       | <0.022      | <0.022      | <0.02       | <0.021      | <0.022      | <0.021      | <0.013      |
| Vinyl chloride                                                               | 0.3                               | 0.3      | 0.3      | <0.0083     | NA          | <0.011      | <0.011      | <0.0098     | <0.011      | <0.011      | <0.01       | <0.01       | <0.011      | <0.01       | <0.0066     |
| Chloroethane                                                                 | 100                               | NS       | NS       | <0.016      | NA          | <0.022      | <0.022      | <0.02       | <0.022      | <0.022      | <0.02       | <0.021      | <0.022      | <0.021      | <0.013      |
| 1,1-Dichloroethene                                                           | 3                                 | 3        | 500      | <0.0083     | NA          | <0.011      | <0.011      | <0.0098     | <0.011      | <0.011      | <0.01       | <0.01       | <0.011      | <0.01       | <0.0066     |
| trans-1,2-Dichloroethene                                                     | 1                                 | 1        | 500      | <0.012      | NA          | <0.016      | <0.016      | <0.015      | <0.016      | <0.017      | <0.015      | <0.015      | <0.017      | <0.016      | <0.0099     |
| Trichloroethene                                                              | 0.3                               | 0.3      | 30       | <0.0041     | NA          | <0.0055     | <0.0054     | <0.0049     | <0.0055     | <0.0055     | <0.005      | <0.0052     | <0.0056     | <0.0053     | <0.0033     |
| 1,2-Dichlorobenzene                                                          | 9                                 | 9        | 300      | <0.016      | NA          | <0.022      | <0.022      | <0.02       | <0.022      | <0.022      | <0.02       | <0.021      | <0.022      | <0.021      | <0.013      |
| 1,3-Dichlorobenzene                                                          | 3                                 | 3        | 100      | <0.016      | NA          | <0.022      | <0.022      | <0.02       | <0.022      | <0.022      | <0.02       | <0.021      | <0.022      | <0.021      | <0.013      |
| 1,4-Dichlorobenzene                                                          | 0.7                               | 0.7      | 100      | <0.016      | NA          | <0.022      | <0.022      | <0.02       | <0.022      | <0.022      | <0.02       | <0.021      | <0.022      | <0.021      | <0.013      |
| Methyl tert butyl ether                                                      | 0.1                               | 0.1      | 100      | <0.016      | NA          | <0.022      | <0.022      | <0.02       | <0.022      | 0.049       | 0.024       | <0.021      | <0.022      | <0.021      | <0.013      |
| p-m-Xylene                                                                   | 100                               | 400      | 500      | <0.016      | NA          | <0.022      | <0.022      | <0.02       | <0.022      | <0.022      | 0.47        | <0.021      | <0.022      | <0.021      | <0.013      |
| o-Xylene                                                                     | 100                               | 400      | 500      | <0.0083     | NA          | <0.011      | <0.011      | <0.0098     | <0.011      | <0.011      | 0.28        | <0.01       | <0.011      | <0.01       | <0.0066     |
| Xylenes, Total                                                               | 100                               | 400      | 500      | <0.0083     | NA          | <0.011      | <0.011      | <0.0098     | <0.011      | <0.011      | 0.75        | <0.01       | <0.011      | <0.01       | <0.0066     |
| cis-1,2-Dichloroethene                                                       | 0.1                               | 0.3      | 100      | <0.0083     | NA          | <0.011      | <0.011      | <0.0098     | <0.011      | <0.011      | <0.01       | <0.01       | <0.011      | <0.01       | <0.0066     |
| 1,2-Dichloroethene, Total                                                    | 0.3                               | NS       | NS       | <0.0083     | NA          | <0.011      | <0.011      | <0.0098     | <0.011      | <0.011      | <0.01       | <0.01       | <0.011      | <0.01       | <0.0066     |
| Dibromomethane                                                               | 500                               | NS       | NS       | <0.016      | NA          | <0.022      | <0.022      | <0.02       | <0.022      | <0.022      | <0.02       | <0.021      | <0.022      | <0.021      | <0.013      |
| 1,2,3-Trichloropropane                                                       | 100                               | NS       | NS       | <0.016      | NA          | <0.022      | <0.022      | <0.02       | <0.022      | <0.022      | <0.02       | <0.021      | <0.022      | <0.021      | <0.013      |
| Styrene                                                                      | 3                                 | 3        | 80       | <0.0083     | NA          | <0.011      | <0.011      | <0.0098     | <0.011      | <0.011      | <0.01       | <0.01       | <0.011      | <0.01       | <0.0066     |
| Dichlorodifluoromethane                                                      | 1,000                             | NS       | NS       | <0.0083     | NA          | <0.11       | <0.11       | <0.098      | <0.11       | <0.11       | <0.1        | <0.1        | <0.11       | <0.1        | <0.066      |
| Acetone                                                                      | 6                                 | 6        | 400      | <0.021      | NA          | <0.028      | <0.027      | <0.025      | <0.027      | <0.028      | 0.1         | <0.026      | <0.028      | <0.026      | <0.016      |
| Carbon disulfide                                                             | 100                               | NS       | NS       | <0.0083     | NA          | <0.011      | <0.011      | <0.098      | <0.011      | <0.011      | <0.01       | <0.01       | <0.011      | <0.01       | <0.066      |
| Methyl ethyl ketone                                                          | 4                                 | 4        | 400      | <0.0083     | NA          | <0.011      | <0.011      | <0.098      | <0.011      | <0.011      | <0.01       | <0.01       | <0.011      | <0.01       | <0.066      |
| Methyl isobutyl ketone                                                       | 0.4                               | 0.4      | 400      | <0.0083     | NA          | <0.011      | <0.011      | <0.098      | <0.011      | <0.011      | <0.01       | <0.01       | <0.011      | <0.01       | <0.066      |
| 2-Hexanone                                                                   | 100                               | NS       | NS       | <0.0083     | NA          | <0.011      | <0.011      | <0.098      | <0.011      | <0.011      | <0.01       | <0.01       | <0.011      | <0.01       | <0.066      |
| Bromochloromethane                                                           | NS                                | NS       | NS       | <0.016      | NA          | <0.022      | <0.022      | <0.02       | <0.022      | <0.022      | <0.02       | <0.021      | <0.022      | <0.021      | <0.013      |
| Tetrahydrofuran                                                              | 500                               | NS       | NS       | <0.0033     | NA          | <0.0044     | <0.0044     | <0.0039     | <0.0044     | <0.0044     | <0.004      | <0.004      | <0.004      | <0.004      | <0.0026     |
| 2,2-Dichloropropane                                                          | NS                                | NS       | NS       | <0.016      | NA          | <0.022      | <0.022      | <0.02       | <0.022      | <0.022      | <0.02       | <0.021      | <0.022      | <0.021      | <0.013      |
| 1,2-Dibromoethane                                                            | 0.1                               | 0.1      | 1        | <0.0083     | NA          | <0.011      | <0.011      | <0.0098     | <0.011      | <0.011      | <0.01       | <0.01       | <0.011      | <0.01       | <0.0066     |
| 1,3-Dichloropropane                                                          | 500                               | NS       | NS       | <0.016      | NA          | <0.022      | <0.022      | <0.02       | <0.022      | <0.022      | <0.02       | <0.021      | <0.022      | <0.021      | <0.013      |
| 1,1,1,2-Tetrachloroethane                                                    | 0.1                               | 0.1      | 90       | <0.0041     | NA          | <0.0055     | <0.0054     | <0.0049     | <0.0055     | <0.0055     | <0.005      | <0.0052     | <0.0056     | <0.0053     | <0.0033     |
| Bromobenzene                                                                 | 100                               | NS       | NS       | <0.016      | NA          | <0.022      | <0.022      | <0.02       | <0.022      | <0.022      | <0.02       | <0.021      | <0.022      | <0.021      | <0.013      |
| n-Butylbenzene                                                               | NS                                | NS       | NS       | <0.0083     | NA          | <0.011      | <0.011      | <0.0098     | <0.011      | <0.011      | 0.16        | <0.01       | <0.011      | <0.01       | <0.0066     |
| sec-Butylbenzene                                                             | NS                                | NS       | NS       | <0.0083     | NA          | <0.011      | <0.011      | <0.0098     | <0.011      | <0.011      | 0.069       | <0.01       | <0.011      | <0.01       | <0.0066     |
| tert-Butylbenzene                                                            | 100                               | NS       | NS       | <0.016      | NA          | <0.022      | <0.022      | <0.02       | <0.022      | <0.022      | <0.02       | <0.021      | <0.022      | <0.021      | <0.013      |
| o-Chlorotoluene                                                              | 100                               | NS       | NS       | <0.0016     | NA          | <0.022      | <0.022      | <0.02       | <0.022      | <0.022      | <0.02       | <0.021      | <0.022      | <0.021      | <0.013      |
| p-Chlorotoluene                                                              | NS                                | NS       | NS       | <0.0016     | NA          | <0.022      | <0.022      | <0.02       | <0.022      | <0.022      | <0.02       | <0.021      | <0.022      | <0.021      | <0.013      |
| 1,2-Dibromo-3-chloropropane                                                  | 10                                | NS       | NS       | <0.0025     | NA          | <0.0033     | <0.0033     | <0.003      | <0.0033     | <0.0033     | <0.003      | <0.003      | <0.003      | <0.003      | <0.002      |
| Hexachlorobutadiene                                                          | 30                                | 30       | 30       | <0.0033     | NA          | <0.0044     | <0.0044     | <0.0039     | <0.0044     | <0.0044     | <0.004      | <0.004      | <0.004      | <0.004      | <0.0026     |



Table 1 - Test Pit Analytical Results

Truro Department of Public Works  
17 Town Hall Road, Truro, MA

| SAMPLE ID:<br>TOV PID:<br>LAB ID:<br>COLLECTION DATE:<br>SAMPLE MATRIX:             |       |          |          | TP1-0-2     | TP1-4-6     | TP2-2-4     | TP3-8-10    | TP4-6-8     | TP5-4-6-N   | TP5-6-8-W   | TP5-6-8S    | TP7-4-6     | TP8-0-2     | TP9-2-4     | TP12-2-4    |
|-------------------------------------------------------------------------------------|-------|----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                                                                                     |       |          |          | <0.1        | <0.1        | <0.1        | 10.8        | <0.1        | <0.1        | <0.1        | 235.5       | <0.1        | <0.1        | <0.1        | 0.6         |
|                                                                                     |       |          |          | L2439378-01 | L2439378-02 | L2439378-03 | L2439378-04 | L2439378-05 | L2439394-01 | L2439394-02 | L2439394-03 | L2439378-08 | L2439378-09 | L2439378-06 | L2439378-07 |
|                                                                                     |       |          |          | 7/12/2024   | 7/12/2024   | 7/12/2024   | 7/12/2024   | 7/12/2024   | 7/12/2024   | 7/12/2024   | 7/11/2024   | 7/12/2024   | 7/12/2024   | 7/11/2024   | 7/11/2024   |
|                                                                                     |       |          |          | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        |
| <b>2024 Applicable MCP Reportable Concentrations and Method 1 Standards (mg/kg)</b> |       |          |          |             |             |             |             |             |             |             |             |             |             |             |             |
|                                                                                     | RCS-1 | S-1/GW-1 | S-1/GW-3 |             |             |             |             |             |             |             |             |             |             |             |             |
| Isopropylbenzene                                                                    | 1,000 | NS       | NS       | <0.00083    | NA          | <0.0011     | <0.0011     | <0.00098    | <0.0011     | <0.0011     | 0.018       | <0.001      | <0.0011     | <0.001      | <0.00066    |
| p-Isopropyltoluene                                                                  | 100   | NS       | NS       | <0.00083    | NA          | <0.0011     | <0.0011     | <0.00098    | <0.0011     | <0.0011     | 0.0031      | <0.001      | <0.0011     | <0.001      | <0.00066    |
| Naphthalene                                                                         | 4     | 4        | 500      | <0.0033     | NA          | <0.0044     | <0.0044     | <0.0039     | <0.0044     | <0.0044     | 0.12        | <0.0041     | <0.0044     | <0.0042     | <0.0026     |
| n-Propylbenzene                                                                     | 100   | NS       | NS       | <0.00083    | NA          | <0.0011     | <0.0011     | <0.00098    | <0.0011     | <0.0011     | 0.068       | <0.001      | <0.0011     | <0.001      | <0.00066    |
| 1,2,3-Trichlorobenzene                                                              | NS    | NS       | NS       | <0.0016     | NA          | <0.0022     | <0.0022     | <0.002      | <0.0022     | <0.0022     | <0.002      | <0.0021     | <0.0022     | <0.0021     | <0.0013     |
| 1,2,4-Trichlorobenzene                                                              | 2     | 2        | 700      | <0.0016     | NA          | <0.0022     | <0.0022     | <0.002      | <0.0022     | <0.0022     | <0.002      | <0.0021     | <0.0022     | <0.0021     | <0.0013     |
| 1,3,5-Trimethylbenzene                                                              | 10    | NS       | NS       | <0.0016     | NA          | <0.0022     | <0.0022     | <0.002      | <0.0022     | <0.0022     | 0.14        | <0.0021     | <0.0022     | <0.0021     | <0.0013     |
| 1,2,4-Trimethylbenzene                                                              | 1,000 | NS       | NS       | <0.0016     | NA          | <0.0022     | <0.0022     | <0.002      | <0.0022     | <0.0022     | 0.36        | <0.0021     | <0.0022     | <0.0021     | <0.0013     |
| Diethyl ether                                                                       | 100   | NS       | NS       | <0.0016     | NA          | <0.0022     | <0.0022     | <0.002      | <0.0022     | <0.0022     | <0.002      | <0.0021     | <0.0022     | <0.0021     | <0.0013     |
| Diisopropyl Ether                                                                   | 100   | NS       | NS       | <0.0016     | NA          | <0.0022     | <0.0022     | <0.002      | <0.0022     | <0.0022     | <0.002      | <0.0021     | <0.0022     | <0.0021     | <0.0013     |
| Ethyl-Tert-Butyl-Ether                                                              | NS    | NS       | NS       | <0.0016     | NA          | <0.0022     | <0.0022     | <0.002      | <0.0022     | <0.0022     | <0.002      | <0.0021     | <0.0022     | <0.0021     | <0.0013     |
| Tertiary-Amyl Methyl Ether                                                          | NS    | NS       | NS       | <0.0016     | NA          | <0.0022     | <0.0022     | <0.002      | <0.0022     | <0.0022     | 0.0022      | <0.0021     | <0.0022     | <0.0021     | <0.0013     |
| 1,4-Dioxane                                                                         | 0.2   | 0.2      | 20       | <0.066      | NA          | <0.088      | <0.087      | <0.079      | <0.088      | <0.088      | <0.08       | <0.082      | <0.089      | <0.084      | <0.053      |
| SUM                                                                                 | NS    | NS       | NS       | ND          | NA          | ND          | ND          | ND          | ND          | 0.0138      | 2.0882      | ND          | ND          | ND          | ND          |
| <b>MCP VOLATILE ORGANICS BY EPA 5035 HIGH</b>                                       |       |          |          |             |             |             |             |             |             |             |             |             |             |             |             |
| Methylene chloride                                                                  | 0.1   | 0.1      | 300      | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.28       | NA          | NA          | NA          | NA          |
| 1,1-Dichloroethane                                                                  | 0.4   | 0.4      | 500      | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.056      | NA          | NA          | NA          | NA          |
| Chloroform                                                                          | 0.2   | 0.4      | 500      | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.083      | NA          | NA          | NA          | NA          |
| Carbon tetrachloride                                                                | 5     | 10       | 30       | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.056      | NA          | NA          | NA          | NA          |
| 1,2-Dichloropropane                                                                 | 0.1   | 0.1      | 60       | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.056      | NA          | NA          | NA          | NA          |
| Dibromochloromethane                                                                | 0.005 | 0.005    | 30       | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.056      | NA          | NA          | NA          | NA          |
| 1,1,2-Trichloroethane                                                               | 0.1   | 0.1      | 40       | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.056      | NA          | NA          | NA          | NA          |
| Tetrachloroethene                                                                   | 1     | 1        | 100      | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.028      | NA          | NA          | NA          | NA          |
| Chlorobenzene                                                                       | 1     | 1        | 100      | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.028      | NA          | NA          | NA          | NA          |
| Trichlorofluoromethane                                                              | 1,000 | NS       | NS       | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.22       | NA          | NA          | NA          | NA          |
| 1,2-Dichloroethane                                                                  | 0.1   | 0.1      | 30       | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.056      | NA          | NA          | NA          | NA          |
| 1,1,1-Trichloroethane                                                               | 30    | 30       | 500      | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.028      | NA          | NA          | NA          | NA          |
| Bromodichloromethane                                                                | 0.1   | 0.1      | 40       | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.028      | NA          | NA          | NA          | NA          |
| trans-1,3-Dichloropropene                                                           | 0.01  | 0.01     | 20       | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.056      | NA          | NA          | NA          | NA          |
| cis-1,3-Dichloropropene                                                             | 0.01  | 0.01     | 20       | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.028      | NA          | NA          | NA          | NA          |
| 1,3-Dichloropropene, Total                                                          | 0.01  | 0.01     | 20       | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.028      | NA          | NA          | NA          | NA          |
| 1,1-Dichloropropene                                                                 | NS    | NS       | NS       | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.028      | NA          | NA          | NA          | NA          |
| Bromoform                                                                           | 0.1   | 0.1      | 300      | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.22       | NA          | NA          | NA          | NA          |
| 1,1,1,2,2-Tetrachloroethane                                                         | 0.005 | 0.005    | 10       | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.028      | NA          | NA          | NA          | NA          |
| Benzene                                                                             | 2     | 2        | 40       | NA          | NA          | NA          | NA          | NA          | NA          | NA          | 0.028       | NA          | NA          | NA          | NA          |
| Toluene                                                                             | 30    | 30       | 500      | NA          | NA          | NA          | NA          | NA          | NA          | NA          | 0.5         | NA          | NA          | NA          | NA          |
| Ethylbenzene                                                                        | 40    | 40       | 500      | NA          | NA          | NA          | NA          | NA          | NA          | NA          | 0.29        | NA          | NA          | NA          | NA          |
| Chloromethane                                                                       | 100   | NS       | NS       | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.22       | NA          | NA          | NA          | NA          |
| Bromomethane                                                                        | 0.5   | 0.5      | 30       | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.11       | NA          | NA          | NA          | NA          |
| Vinyl chloride                                                                      | 0.3   | 0.3      | 0.3      | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.056      | NA          | NA          | NA          | NA          |
| Chloroethane                                                                        | 100   | NS       | NS       | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.11       | NA          | NA          | NA          | NA          |
| 1,1-Dichloroethene                                                                  | 3     | 3        | 500      | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.056      | NA          | NA          | NA          | NA          |
| trans-1,2-Dichloroethene                                                            | 1     | 1        | 500      | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.083      | NA          | NA          | NA          | NA          |
| Trichloroethene                                                                     | 0.3   | 0.3      | 30       | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.028      | NA          | NA          | NA          | NA          |
| 1,2-Dichlorobenzene                                                                 | 9     | 9        | 300      | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.11       | NA          | NA          | NA          | NA          |
| 1,3-Dichlorobenzene                                                                 | 3     | 3        | 100      | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.11       | NA          | NA          | NA          | NA          |
| 1,4-Dichlorobenzene                                                                 | 0.7   | 0.7      | 100      | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.11       | NA          | NA          | NA          | NA          |
| Methyl tert butyl ether                                                             | 0.1   | 0.1      | 100      | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.11       | NA          | NA          | NA          | NA          |
| p/m-Xylene                                                                          | 100   | 400      | 500      | NA          | NA          | NA          | NA          | NA          | NA          | NA          | 1.2         | NA          | NA          | NA          | NA          |
| o-Xylene                                                                            | 100   | 400      | 500      | NA          | NA          | NA          | NA          | NA          | NA          | NA          | 0.56        | NA          | NA          | NA          | NA          |
| Xylenes, Total                                                                      | 100   | 400      | 500      | NA          | NA          | NA          | NA          | NA          | NA          | NA          | 1.8         | NA          | NA          | NA          | NA          |
| cis-1,2-Dichloroethene                                                              | 0.1   | 0.3      | 100      | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.056      | NA          | NA          | NA          | NA          |
| 1,2-Dichloroethene, Total                                                           | 0.3   | NS       | NS       | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.056      | NA          | NA          | NA          | NA          |
| Dibromomethane                                                                      | 500   | NS       | NS       | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.11       | NA          | NA          | NA          | NA          |
| 1,2,3-Trichloropropane                                                              | 100   | NS       | NS       | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.11       | NA          | NA          | NA          | NA          |
| Styrene                                                                             | 3     | 3        | 80       | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.056      | NA          | NA          | NA          | NA          |
| Dichlorodifluoromethane                                                             | 1,000 | NS       | NS       | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.56       | NA          | NA          | NA          | NA          |
| Acetone                                                                             | 6     | 6        | 400      | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.56       | NA          | NA          | NA          | NA          |
| Carbon disulfide                                                                    | 100   | NS       | NS       | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.56       | NA          | NA          | NA          | NA          |
| Methyl ethyl ketone                                                                 | 4     | 4        | 400      | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.56       | NA          | NA          | NA          | NA          |
| Methyl isobutyl ketone                                                              | 0.4   | 0.4      | 400      | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.56       | NA          | NA          | NA          | NA          |
| 2-Hexanone                                                                          | 100   | NS       | NS       | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.56       | NA          | NA          | NA          | NA          |

Table 1 - Test Pit Analytical Results

Truro Department of Public Works  
17 Town Hall Road, Truro, MA

| SAMPLE ID:<br>TOV PID:<br>LAB ID:<br>COLLECTION DATE:<br>SAMPLE MATRIX:      |       |          |          | TP1-0-2     | TP1-4-6     | TP2-2-4     | TP3-8-10    | TP4-6-8     | TP5-4-6-N   | TP5-6-8-W   | TP5-6-8S    | TP7-4-6     | TP8-0-2     | TP9-2-4     | TP12-2-4    |           |
|------------------------------------------------------------------------------|-------|----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------|
|                                                                              |       |          |          | <0.1        | <0.1        | <0.1        | 10.8        | <0.1        | <0.1        | <0.1        | 235.5       | <0.1        | <0.1        | <0.1        | 0.6         |           |
|                                                                              |       |          |          | L2439378-01 | L2439378-02 | L2439378-03 | L2439378-04 | L2439378-05 | L2439394-01 | L2439394-02 | L2439394-03 | L2439378-08 | L2439378-09 | L2439378-06 | L2439378-07 |           |
|                                                                              |       |          |          | 7/12/2024   | 7/12/2024   | 7/12/2024   | 7/12/2024   | 7/12/2024   | 7/12/2024   | 7/12/2024   | 7/12/2024   | 7/12/2024   | 7/12/2024   | 7/12/2024   | 7/11/2024   | 7/11/2024 |
|                                                                              |       |          |          | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL      |
| 2024 Applicable MCP Reportable Concentrations and Method 1 Standards (mg/kg) | RCS-1 | S-1/GW-1 | S-1/GW-3 |             |             |             |             |             |             |             |             |             |             |             |             |           |
| Bromochloromethane                                                           | NS    | NS       | NS       | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          |           |
| Tetrahydrofuran                                                              | 500   | NS       | NS       | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          |           |
| 2,2-Dichloropropane                                                          | NS    | NS       | NS       | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          |           |
| 1,2-Dibromoethane                                                            | 0.1   | 0.1      | 1        | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          |           |
| 1,3-Dichloropropane                                                          | 500   | NS       | NS       | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          |           |
| 1,1,1,2-Tetrachloroethane                                                    | 0.1   | 0.1      | 90       | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          |           |
| Bromobenzene                                                                 | 100   | NS       | NS       | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          |           |
| n-Butylbenzene                                                               | NS    | NS       | NS       | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          | 0.11        | NA          | NA          | NA          |           |
| sec-Butylbenzene                                                             | NS    | NS       | NS       | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.056      | NA          | NA          | NA          |           |
| tert-Butylbenzene                                                            | 100   | NS       | NS       | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.11       | NA          | NA          | NA          |           |
| o-Chlorotoluene                                                              | 100   | NS       | NS       | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.11       | NA          | NA          | NA          |           |
| p-Chlorotoluene                                                              | NS    | NS       | NS       | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.11       | NA          | NA          | NA          |           |
| 1,2-Dibromo-3-chloropropane                                                  | 10    | NS       | NS       | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.17       | NA          | NA          | NA          |           |
| Hexachlorobutadiene                                                          | 30    | 30       | 30       | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.22       | NA          | NA          | NA          |           |
| Isopropylbenzene                                                             | 1,000 | NS       | NS       | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.056      | NA          | NA          | NA          |           |
| p-Isopropyltoluene                                                           | 100   | NS       | NS       | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.056      | NA          | NA          | NA          |           |
| Naphthalene                                                                  | 4     | 4        | 500      | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          | 0.52        | NA          | NA          | NA          |           |
| n-Propylbenzene                                                              | 100   | NS       | NS       | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          | 0.19        | NA          | NA          | NA          |           |
| 1,2,3-Trichlorobenzene                                                       | NS    | NS       | NS       | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.11       | NA          | NA          | NA          |           |
| 1,2,4-Trichlorobenzene                                                       | 2     | 2        | 700      | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.11       | NA          | NA          | NA          |           |
| 1,3,5-Trimethylbenzene                                                       | 10    | NS       | NS       | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          | 0.4         | NA          | NA          | NA          |           |
| 1,2,4-Trimethylbenzene                                                       | 1,000 | NS       | NS       | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          | 1.4         | NA          | NA          | NA          |           |
| Diethyl ether                                                                | 100   | NS       | NS       | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.11       | NA          | NA          | NA          |           |
| Diisopropyl Ether                                                            | 100   | NS       | NS       | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.11       | NA          | NA          | NA          |           |
| Ethyl-Tert-Butyl-Ether                                                       | NS    | NS       | NS       | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.11       | NA          | NA          | NA          |           |
| Tertiary-Amyl Methyl Ether                                                   | NS    | NS       | NS       | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <0.11       | NA          | NA          | NA          |           |
| 1,4-Dioxane                                                                  | 0.2   | 0.2      | 20       | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          | <4.4        | NA          | NA          | NA          |           |
| SUM                                                                          | NS    | NS       | NS       | NA          | NA          | NA          | NA          | NA          | NA          | NA          | NA          | 5.198       | NA          | NA          | NA          |           |
| MCP SEMIVOLATILE ORGANICS                                                    |       |          |          |             |             |             |             |             |             |             |             |             |             |             |             |           |
| Acenaphthene                                                                 | 4     | 4        | 1000     | NA          | NA          | NA          | NA          | NA          | NA          | <0.14       | <0.14       | <0.14       | NA          | NA          | NA          |           |
| 1,2,4-Trichlorobenzene                                                       | 2     | 2        | 700      | NA          | NA          | NA          | NA          | NA          | NA          | <0.17       | <0.17       | <0.17       | NA          | NA          | NA          |           |
| Hexachlorobenzene                                                            | 0.7   | 0.7      | 0.7      | NA          | NA          | NA          | NA          | NA          | NA          | <0.071      | <0.071      | <0.072      | NA          | NA          | NA          |           |
| Bis(2-chloroethyl)ether                                                      | 0.7   | 0.7      | 2        | NA          | NA          | NA          | NA          | NA          | NA          | <0.071      | <0.071      | <0.072      | NA          | NA          | NA          |           |
| 2-Chloronaphthalene                                                          | 1,000 | NS       | NS       | NA          | NA          | NA          | NA          | NA          | NA          | <0.17       | <0.17       | <0.17       | NA          | NA          | NA          |           |
| 1,2-Dichlorobenzene                                                          | 9     | 9        | 300      | NA          | NA          | NA          | NA          | NA          | NA          | <0.17       | <0.17       | <0.17       | NA          | NA          | NA          |           |
| 1,3-Dichlorobenzene                                                          | 3     | 3        | 100      | NA          | NA          | NA          | NA          | NA          | NA          | <0.17       | <0.17       | <0.17       | NA          | NA          | NA          |           |
| 1,4-Dichlorobenzene                                                          | 0.7   | 0.7      | 100      | NA          | NA          | NA          | NA          | NA          | NA          | <0.071      | <0.071      | <0.072      | NA          | NA          | NA          |           |
| 3,3'-Dichlorobenzidine                                                       | 3     | 3        | 3        | NA          | NA          | NA          | NA          | NA          | NA          | <0.17       | <0.17       | <0.17       | NA          | NA          | NA          |           |
| 2,4-Dinitrotoluene                                                           | 0.7   | 0.7      | 2        | NA          | NA          | NA          | NA          | NA          | NA          | <0.071      | <0.071      | <0.072      | NA          | NA          | NA          |           |
| 2,6-Dinitrotoluene                                                           | 100   | NS       | NS       | NA          | NA          | NA          | NA          | NA          | NA          | <0.17       | <0.17       | <0.17       | NA          | NA          | NA          |           |
| Azobenzene                                                                   | 50    | NS       | NS       | NA          | NA          | NA          | NA          | NA          | NA          | <0.17       | <0.17       | <0.17       | NA          | NA          | NA          |           |
| Fluoranthene                                                                 | 1,000 | 1000     | 1000     | NA          | NA          | NA          | NA          | NA          | 1.7         | 1.8         | 0.34        | NA          | NA          | NA          | NA          |           |
| 4-Bromophenyl phenyl ether                                                   | 100   | NS       | NS       | NA          | NA          | NA          | NA          | NA          | <0.17       | <0.17       | <0.17       | NA          | NA          | NA          | NA          |           |
| Bis(2-chloroisopropyl)ether                                                  | 0.7   | 0.7      | 30       | NA          | NA          | NA          | NA          | NA          | <0.071      | <0.071      | <0.072      | NA          | NA          | NA          | NA          |           |
| Bis(2-chloroethoxy)methane                                                   | 500   | NS       | NS       | NA          | NA          | NA          | NA          | NA          | <0.18       | <0.18       | <0.18       | NA          | NA          | NA          | NA          |           |
| Hexachlorobutadiene                                                          | 30    | 30       | 30       | NA          | NA          | NA          | NA          | NA          | <0.17       | <0.17       | <0.17       | NA          | NA          | NA          | NA          |           |
| Hexachloroethane                                                             | 0.7   | 0.7      | 50       | NA          | NA          | NA          | NA          | NA          | <0.071      | <0.071      | <0.072      | NA          | NA          | NA          | NA          |           |
| Isophorone                                                                   | 100   | NS       | NS       | NA          | NA          | NA          | NA          | NA          | <0.15       | <0.15       | <0.15       | NA          | NA          | NA          | NA          |           |
| Naphthalene                                                                  | 4     | 4        | 500      | NA          | NA          | NA          | NA          | NA          | <0.17       | <0.17       | <0.17       | NA          | NA          | NA          | NA          |           |
| Nitrobenzene                                                                 | 500   | NS       | NS       | NA          | NA          | NA          | NA          | NA          | <0.15       | <0.15       | <0.15       | NA          | NA          | NA          | NA          |           |
| Bis(2-ethylhexyl)phthalate                                                   | 100   | 100      | 100      | NA          | NA          | NA          | NA          | NA          | <0.17       | <0.17       | <0.17       | NA          | NA          | NA          | NA          |           |
| Butyl benzyl phthalate                                                       | 100   | NS       | NS       | NA          | NA          | NA          | NA          | NA          | <0.17       | <0.17       | <0.17       | NA          | NA          | NA          | NA          |           |
| Di-n-butylphthalate                                                          | 50    | NS       | NS       | NA          | NA          | NA          | NA          | NA          | <0.17       | <0.17       | <0.17       | NA          | NA          | NA          | NA          |           |
| Di-n-octylphthalate                                                          | 1,000 | NS       | NS       | NA          | NA          | NA          | NA          | NA          | <0.17       | <0.17       | <0.17       | NA          | NA          | NA          | NA          |           |
| Diethyl phthalate                                                            | 10    | 10       | 300      | NA          | NA          | NA          | NA          | NA          | <0.17       | <0.17       | <0.17       | NA          | NA          | NA          | NA          |           |
| Dimethyl phthalate                                                           | 0.7   | 0.7      | 600      | NA          | NA          | NA          | NA          | NA          | <0.071      | <0.071      | <0.072      | NA          | NA          | NA          | NA          |           |
| Benzo(a)anthracene                                                           | 20    | 20       | 20       | NA          | NA          | NA          | NA          | NA          | 0.53        | 0.67        | 0.12        | NA          | NA          | NA          | NA          |           |
| Benzo(a)pyrene                                                               | 2     | 2        | 2        | NA          | NA          | NA          | NA          | NA          | 0.62        | 0.68        | <0.14       | NA          | NA          | NA          | NA          |           |
| Benzo(b)fluoranthene                                                         | 20    | 20       | 20       | NA          | NA          | NA          | NA          | NA          | 0.85        | 0.96        | 0.19        | NA          | NA          | NA          | NA          |           |
| Benzo(k)fluoranthene                                                         | 200   | 200      | 200      | NA          | NA          | NA          | NA          | NA          | 0.31        | 0.27        | <0.1        | NA          | NA          | NA          | NA          |           |
| Chrysene                                                                     | 200   | 200      | 200      | NA          | NA          | NA          | NA          | NA          | 0.67        | 0.82        | 0.14        | NA          | NA          | NA          | NA          |           |
| Acenaphthylene                                                               | 2     | 2        | 10       | NA          | NA          | NA          | NA          | NA          | <0.14       | 0.29        | <0.14       | NA          | NA          | NA          | NA          |           |

Table 1 - Test Pit Analytical Results

Truro Department of Public Works  
17 Town Hall Road, Truro, MA

|                                                                              | SAMPLE ID:<br>TOV PID:<br>LAB ID:<br>COLLECTION DATE:<br>SAMPLE MATRIX: |          |          |           | TP1-0-2     | TP1-4-6     | TP2-2-4     | TP3-8-10    | TP4-6-8     | TP5-4-6-N   | TP5-6-8-W   | TP5-6-8S    | TP7-4-6     | TP8-0-2     | TP9-2-4     | TP12-2-4    |
|------------------------------------------------------------------------------|-------------------------------------------------------------------------|----------|----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                                                                              |                                                                         |          |          |           | <0.1        | <0.1        | <0.1        | 10.8        | <0.1        | <0.1        | <0.1        | 235.5       | <0.1        | <0.1        | <0.1        | 0.6         |
|                                                                              |                                                                         |          |          |           | L2439378-01 | L2439378-02 | L2439378-03 | L2439378-04 | L2439378-05 | L2439394-01 | L2439394-02 | L2439394-03 | L2439378-08 | L2439378-09 | L2439378-06 | L2439378-07 |
|                                                                              |                                                                         |          |          |           | 7/12/2024   | 7/12/2024   | 7/12/2024   | 7/12/2024   | 7/12/2024   | 7/12/2024   | 7/12/2024   | 7/12/2024   | 7/11/2024   | 7/12/2024   | 7/12/2024   | 7/11/2024   |
|                                                                              | RCS-1                                                                   | S-1/GW-1 | S-1/GW-3 | SOIL      | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        |
| 2024 Applicable MCP Reportable Concentrations and Method 1 Standards (mg/kg) |                                                                         |          |          |           |             |             |             |             |             |             |             |             |             |             |             |             |
| Anthracene                                                                   | 1,000                                                                   | 1,000    | 1,000    | NA        | NA          | NA          | NA          | NA          | NA          | 0.17        | 0.33        | <0.1        | NA          | NA          | NA          | NA          |
| Benzo(ghi)perylene                                                           | 1,000                                                                   | 1,000    | 1,000    | NA        | NA          | NA          | NA          | NA          | NA          | 0.46        | 0.45        | <0.14       | NA          | NA          | NA          | NA          |
| Fluorene                                                                     | 1,000                                                                   | 1,000    | 1,000    | NA        | NA          | NA          | NA          | NA          | NA          | <0.17       | <0.17       | <0.17       | NA          | NA          | NA          | NA          |
| Phenanthrene                                                                 | 10                                                                      | 10       | 500      | NA        | NA          | NA          | NA          | NA          | NA          | 1.2         | 1.2         | 0.19        | NA          | NA          | NA          | NA          |
| Dibenzo(a,h)anthracene                                                       | 2                                                                       | 2        | 2        | NA        | NA          | NA          | NA          | NA          | NA          | 0.094       | 0.12        | <0.072      | NA          | NA          | NA          | NA          |
| Indeno(1,2,3-cd)pyrene                                                       | 20                                                                      | 20       | 20       | NA        | NA          | NA          | NA          | NA          | NA          | 0.42        | 0.42        | <0.14       | NA          | NA          | NA          | NA          |
| Pyrene                                                                       | 1,000                                                                   | 1,000    | 1,000    | NA        | NA          | NA          | NA          | NA          | NA          | 1.3         | 1.5         | 0.28        | NA          | NA          | NA          | NA          |
| Aniline                                                                      | 1,000                                                                   | NS       | NS       | NA        | NA          | NA          | NA          | NA          | NA          | <0.2        | <0.2        | <0.2        | NA          | NA          | NA          | NA          |
| 4-Chloroaniline                                                              | 1                                                                       | 1        | 3        | NA        | NA          | NA          | NA          | NA          | NA          | <0.17       | <0.17       | <0.17       | NA          | NA          | NA          | NA          |
| Dibenzofuran                                                                 | 100                                                                     | NS       | NS       | NA        | NA          | NA          | NA          | NA          | NA          | <0.17       | <0.17       | <0.17       | NA          | NA          | NA          | NA          |
| 2-Methylnaphthalene                                                          | 0.7                                                                     | 0.7      | 300      | NA        | NA          | NA          | NA          | NA          | NA          | <0.071      | <0.071      | 0.079       | NA          | NA          | NA          | NA          |
| Acetophenone                                                                 | 1,000                                                                   | NS       | NS       | NA        | NA          | NA          | NA          | NA          | NA          | <0.17       | <0.17       | <0.17       | NA          | NA          | NA          | NA          |
| 2,4,6-Trichlorophenol                                                        | 0.7                                                                     | 0.7      | 20       | NA        | NA          | NA          | NA          | NA          | NA          | <0.071      | <0.071      | <0.072      | NA          | NA          | NA          | NA          |
| 2-Chlorophenol                                                               | 0.7                                                                     | 0.7      | 100      | NA        | NA          | NA          | NA          | NA          | NA          | <0.071      | <0.071      | <0.072      | NA          | NA          | NA          | NA          |
| 2,4-Dichlorophenol                                                           | 0.7                                                                     | 0.7      | 40       | NA        | NA          | NA          | NA          | NA          | NA          | <0.071      | <0.071      | <0.072      | NA          | NA          | NA          | NA          |
| 2,4-Dimethylphenol                                                           | 0.7                                                                     | 0.7      | 500      | NA        | NA          | NA          | NA          | NA          | NA          | <0.071      | <0.071      | <0.072      | NA          | NA          | NA          | NA          |
| 2-Nitrophenol                                                                | 100                                                                     | NS       | NS       | NA        | NA          | NA          | NA          | NA          | NA          | <0.36       | <0.36       | <0.37       | NA          | NA          | NA          | NA          |
| 4-Nitrophenol                                                                | 100                                                                     | NS       | NS       | NA        | NA          | NA          | NA          | NA          | NA          | <0.24       | <0.24       | <0.24       | NA          | NA          | NA          | NA          |
| 2,4-Dinitrophenol                                                            | 3                                                                       | 3        | 50       | NA        | NA          | NA          | NA          | NA          | NA          | <0.81       | <0.81       | <0.82       | NA          | NA          | NA          | NA          |
| Pentachlorophenol                                                            | 3                                                                       | 3        | 3        | NA        | NA          | NA          | NA          | NA          | NA          | <0.34       | <0.34       | <0.34       | NA          | NA          | NA          | NA          |
| Phenol                                                                       | 0.9                                                                     | 0.9      | 20       | NA        | NA          | NA          | NA          | NA          | NA          | <0.17       | <0.17       | <0.17       | NA          | NA          | NA          | NA          |
| 2-Methylphenol                                                               | 500                                                                     | NS       | NS       | NA        | NA          | NA          | NA          | NA          | NA          | <0.17       | <0.17       | <0.17       | NA          | NA          | NA          | NA          |
| 3-Methylphenol/4-Methylphenol                                                | 500                                                                     | NS       | NS       | NA        | NA          | NA          | NA          | NA          | NA          | <0.24       | <0.24       | <0.25       | NA          | NA          | NA          | NA          |
| 2,4,5-Trichlorophenol                                                        | 4                                                                       | 4        | 600      | NA        | NA          | NA          | NA          | NA          | NA          | <0.17       | <0.17       | <0.17       | NA          | NA          | NA          | NA          |
| Biphenyl                                                                     | 0.05                                                                    | 0.05     | 200      | NA        | NA          | NA          | NA          | NA          | NA          | <0.034      | <0.034      | <0.034      | NA          | NA          | NA          | NA          |
| SUM                                                                          | NS                                                                      | NS       | NS       | NA        | NA          | NA          | NA          | NA          | NA          | 8.324       | 9.51        | 1.339       | NA          | NA          | NA          | NA          |
| MCP CHLORINATED HERBICIDES                                                   |                                                                         |          |          |           |             |             |             |             |             |             |             |             |             |             |             |             |
| MCP                                                                          | NS                                                                      | NS       | NS       | <3.4      | NA          | <3.4        | <3.4        | NA          | NA          | NA          | NA          | <3.4        | <3.4        | <3.4        | NA          | <3.6        |
| MCPA                                                                         | 100                                                                     | NS       | NS       | <3.4      | NA          | <3.4        | <3.4        | NA          | NA          | NA          | NA          | <3.4        | <3.4        | <3.4        | NA          | <3.6        |
| Dalapon                                                                      | 1,000                                                                   | NS       | NS       | <0.034    | NA          | <0.034      | <0.034      | NA          | NA          | NA          | NA          | <0.034      | <0.034      | <0.034      | NA          | <0.036      |
| Dicamba                                                                      | 500                                                                     | NS       | NS       | <0.034    | NA          | <0.034      | <0.034      | NA          | NA          | NA          | NA          | <0.034      | <0.034      | <0.034      | NA          | <0.036      |
| Dichloroprop                                                                 | NS                                                                      | NS       | NS       | <0.034    | NA          | <0.034      | <0.034      | NA          | NA          | NA          | NA          | <0.034      | <0.034      | <0.034      | NA          | <0.036      |
| 2,4-D                                                                        | 100                                                                     | NS       | NS       | <0.034    | NA          | <0.034      | <0.034      | NA          | NA          | NA          | NA          | <0.034      | <0.034      | <0.034      | NA          | <0.036      |
| 2,4-DB                                                                       | 100                                                                     | NS       | NS       | <0.034    | NA          | <0.034      | <0.034      | NA          | NA          | NA          | NA          | <0.034      | <0.034      | <0.034      | NA          | <0.036      |
| 2,4,5-T                                                                      | 100                                                                     | NS       | NS       | <0.034    | NA          | <0.034      | <0.034      | NA          | NA          | NA          | NA          | <0.034      | <0.034      | <0.034      | NA          | <0.036      |
| 2,4,5-TP (Silvex)                                                            | 100                                                                     | NS       | NS       | <0.034    | NA          | <0.034      | <0.034      | NA          | NA          | NA          | NA          | <0.034      | <0.034      | <0.034      | NA          | <0.036      |
| MCP ORGANOCHLORINE PESTICIDES                                                |                                                                         |          |          |           |             |             |             |             |             |             |             |             |             |             |             |             |
| Delta-BHC                                                                    | 10                                                                      | NS       | NS       | <0.00166  | NA          | <0.00162    | <0.00159    | NA          | NA          | NA          | NA          | <0.00165    | <0.00166    | <0.00166    | NA          | <0.00167    |
| Lindane                                                                      | 0.003                                                                   | 0.003    | 0.5      | <0.00053  | NA          | <0.000539   | <0.000529   | NA          | NA          | NA          | NA          | <0.000551   | <0.000554   | <0.000555   | NA          | <0.000558   |
| Alpha-BHC                                                                    | 50                                                                      | NS       | NS       | <0.000691 | NA          | <0.000674   | <0.000661   | NA          | NA          | NA          | NA          | <0.000689   | <0.000692   | <0.000693   | NA          | <0.000697   |
| Beta-BHC                                                                     | 10                                                                      | NS       | NS       | <0.00166  | NA          | <0.00162    | <0.00159    | NA          | NA          | NA          | NA          | <0.00165    | <0.00166    | <0.00166    | NA          | <0.00167    |
| Heptachlor                                                                   | 0.3                                                                     | 0.3      | 0.3      | <0.000829 | NA          | <0.000809   | <0.000793   | NA          | NA          | NA          | NA          | <0.000827   | <0.000831   | <0.000832   | NA          | <0.000837   |
| Aldrin                                                                       | 0.09                                                                    | 0.09     | 0.09     | <0.00166  | NA          | <0.00162    | <0.00159    | NA          | NA          | NA          | NA          | <0.00165    | <0.00166    | <0.00166    | NA          | <0.00167    |
| Heptachlor epoxide                                                           | 0.2                                                                     | 0.2      | 0.2      | <0.00311  | NA          | <0.00303    | <0.00297    | NA          | NA          | NA          | NA          | <0.0031     | <0.00312    | <0.00312    | NA          | <0.00314    |
| Endrin                                                                       | 20                                                                      | 20       | 20       | <0.000691 | NA          | <0.000674   | <0.000661   | NA          | NA          | NA          | NA          | <0.000689   | <0.000692   | <0.000693   | NA          | <0.000697   |
| Endrin ketone                                                                | NS                                                                      | NS       | NS       | <0.00166  | NA          | <0.00162    | <0.00159    | NA          | NA          | NA          | NA          | <0.00165    | <0.00166    | <0.00166    | NA          | <0.00167    |
| Dieldrin                                                                     | 0.09                                                                    | 0.09     | 0.09     | <0.00104  | NA          | <0.000991   | <0.000991   | NA          | NA          | NA          | NA          | <0.00103    | <0.00104    | <0.00158    | NA          | <0.00105    |
| 4,4'-DDE                                                                     | 7                                                                       | 7        | 7        | <0.00166  | NA          | <0.00162    | <0.00159    | NA          | NA          | NA          | NA          | <0.00199    | <0.00166    | <0.00166    | NA          | 0.0106      |
| 4,4'-DDD                                                                     | 10                                                                      | 10       | 10       | <0.00166  | NA          | <0.00162    | <0.00159    | NA          | NA          | NA          | NA          | <0.00165    | <0.00166    | <0.00166    | NA          | <0.00167    |
| 4,4'-DDT                                                                     | 7                                                                       | 7        | 7        | 0.00575   | NA          | <0.00303    | <0.00297    | NA          | NA          | NA          | NA          | 0.0155      | 0.0073      | 0.00882     | NA          | 0.0226      |
| Endosulfan I                                                                 | 0.6                                                                     | 0.6      | 1        | <0.00166  | NA          | <0.00162    | <0.00159    | NA          | NA          | NA          | NA          | <0.00165    | <0.00166    | <0.00166    | NA          | <0.00167    |
| Endosulfan II                                                                | 0.6                                                                     | 0.6      | 1        | <0.00166  | NA          | <0.00162    | <0.00159    | NA          | NA          | NA          | NA          | <0.00165    | <0.00166    | <0.00166    | NA          | <0.00167    |
| Endosulfan sulfate                                                           | 0.6                                                                     | 0.6      | 1        | <0.000691 | NA          | <0.000674   | <0.000661   | NA          | NA          | NA          | NA          | <0.000689   | <0.000692   | <0.000693   | NA          | <0.000697   |
| Methoxychlor                                                                 | 300                                                                     | 300      | 300      | <0.00311  | NA          | <0.00303    | <0.00297    | NA          | NA          | NA          | NA          | <0.0031     | <0.00312    | <0.00312    | NA          | <0.00314    |
| Chlordane                                                                    | 0.7                                                                     | 6        | 6        | <0.0138   | NA          | <0.0132     | <0.0132     | NA          | NA          | NA          | NA          | <0.0138     | <0.0138     | <0.0139     | NA          | <0.0139     |
| Hexachlorobenzene                                                            | 0.7                                                                     | 0.7      | 0.7      | <0.00166  | NA          | <0.00162    | <0.00159    | NA          | NA          | NA          | NA          | <0.00165    | <0.00166    | <0.00166    | NA          | <0.00167    |
| MCP POLYCHLORINATED BIPHENYLS                                                |                                                                         |          |          |           |             |             |             |             |             |             |             |             |             |             |             |             |
| Aroclor 1016                                                                 | 1                                                                       | 1        | 1        | <0.0489   | NA          | <0.0568     | <0.116      | NA          | NA          | NA          | NA          | <0.0484     | <0.0847     | <0.0782     | NA          | <0.079      |
| Aroclor 1221                                                                 | 1                                                                       | 1        | 1        | <0.0489   | NA          | <0.0568     | <0.116      | NA          | NA          | NA          | NA          | <0.0484     | <0.0847     | <0.0782     | NA          | <0.079      |
| Aroclor 1232                                                                 | 1                                                                       | 1        | 1        | <0.0489   | NA          | <0.0568     | <0.116      | NA          | NA          | NA          | NA          | <0.0484     | <0.0847     | <0.0782     | NA          | <0.079      |
| Aroclor 1242                                                                 | 1                                                                       | 1        | 1        | <0.0489   | NA          | <0.0568     | <0.116      | NA          | NA          | NA          | NA          | <0.0484     | <0.0847     | <0.0782     | NA          | <0.079      |
| Aroclor 1248                                                                 | 1                                                                       | 1        | 1        | <0.0489   | NA          | <0.0568     | <0.116      | NA          | NA          | NA          | NA          | <0.0484     | <0.0847     | <0.0782     | NA          | <0.079      |

Table 1 - Test Pit Analytical Results

Truro Department of Public Works  
17 Town Hall Road, Truro, MA

| SAMPLE ID:<br>TOV PID:<br>LAB ID:<br>COLLECTION DATE:<br>SAMPLE MATRIX:      | TP1-0-2     |       |       | TP1-4-6     |          |          | TP2-2-4     |        |        | TP3-8-10    |        |         | TP4-6-8     |         |        | TP5-4-6-N   |  |  | TP5-6-8-W   |      |  | TP5-6-8S    |  |      | TP7-4-6     |  |  | TP8-0-2     |  |  | TP9-2-4     |      |  | TP12-2-4    |  |      |  |  |  |
|------------------------------------------------------------------------------|-------------|-------|-------|-------------|----------|----------|-------------|--------|--------|-------------|--------|---------|-------------|---------|--------|-------------|--|--|-------------|------|--|-------------|--|------|-------------|--|--|-------------|--|--|-------------|------|--|-------------|--|------|--|--|--|
|                                                                              | <0.1        |       |       | <0.1        |          |          | <0.1        |        |        | 10.8        |        |         | <0.1        |         |        | <0.1        |  |  | <0.1        |      |  | 235.5       |  |      | <0.1        |  |  | <0.1        |  |  | <0.1        |      |  | 0.6         |  |      |  |  |  |
|                                                                              | L2439378-01 |       |       | L2439378-02 |          |          | L2439378-03 |        |        | L2439378-04 |        |         | L2439378-05 |         |        | L2439394-01 |  |  | L2439394-02 |      |  | L2439394-03 |  |      | L2439378-08 |  |  | L2439378-09 |  |  | L2439378-06 |      |  | L2439378-07 |  |      |  |  |  |
|                                                                              | 7/12/2024   |       |       | 7/12/2024   |          |          | 7/12/2024   |        |        | 7/12/2024   |        |         | 7/12/2024   |         |        | 7/12/2024   |  |  | 7/12/2024   |      |  | 7/11/2024   |  |      | 7/12/2024   |  |  | 7/12/2024   |  |  | 7/11/2024   |      |  | 7/11/2024   |  |      |  |  |  |
| SOIL                                                                         |             |       |       | SOIL        |          |          |             | SOIL   |        |             |        | SOIL    |             |         |        | SOIL        |  |  |             | SOIL |  |             |  | SOIL |             |  |  | SOIL        |  |  |             | SOIL |  |             |  | SOIL |  |  |  |
| 2024 Applicable MCP Reportable Concentrations and Method 1 Standards (mg/kg) |             |       |       | RCS-1       | S-1/GW-1 | S-1/GW-3 |             |        |        |             |        |         |             |         |        |             |  |  |             |      |  |             |  |      |             |  |  |             |  |  |             |      |  |             |  |      |  |  |  |
| Aroclor 1254                                                                 | 1           | 1     | 1     | <0.0489     | NA       | <0.0568  | <0.116      | NA     | NA     | NA          | NA     | <0.0484 | <0.0847     | <0.0782 | NA     | <0.079      |  |  |             |      |  |             |  |      |             |  |  |             |  |  |             |      |  |             |  |      |  |  |  |
| Aroclor 1260                                                                 | 1           | 1     | 1     | <0.0489     | NA       | <0.0568  | <0.116      | NA     | NA     | NA          | NA     | <0.0484 | <0.0847     | <0.0782 | NA     | <0.079      |  |  |             |      |  |             |  |      |             |  |  |             |  |  |             |      |  |             |  |      |  |  |  |
| Aroclor 1262                                                                 | 1           | 1     | 1     | <0.0489     | NA       | <0.0568  | <0.116      | NA     | NA     | NA          | NA     | <0.0484 | <0.0847     | <0.0782 | NA     | <0.079      |  |  |             |      |  |             |  |      |             |  |  |             |  |  |             |      |  |             |  |      |  |  |  |
| Aroclor 1268                                                                 | 1           | 1     | 1     | <0.0489     | NA       | <0.0568  | <0.116      | NA     | NA     | NA          | NA     | <0.0484 | <0.0847     | <0.0782 | NA     | <0.079      |  |  |             |      |  |             |  |      |             |  |  |             |  |  |             |      |  |             |  |      |  |  |  |
| PCBs, Total                                                                  | 1           | 1     | 1     | <0.0489     | NA       | <0.0568  | <0.116      | NA     | NA     | NA          | NA     | <0.0484 | <0.0847     | <0.0782 | NA     | <0.079      |  |  |             |      |  |             |  |      |             |  |  |             |  |  |             |      |  |             |  |      |  |  |  |
| EXTRACTABLE PETROLEUM HYDROCARBONS                                           |             |       |       |             |          |          |             |        |        |             |        |         |             |         |        |             |  |  |             |      |  |             |  |      |             |  |  |             |  |  |             |      |  |             |  |      |  |  |  |
| C9-C18 Aliphatics                                                            | 1,000       | 1,000 | 1,000 | <6.9        | <6.64    | <6.71    | 31.8        | <6.7   | <6.75  | <6.83       | 12.6   | <6.82   | <7.02       | <6.92   | <7.04  |             |  |  |             |      |  |             |  |      |             |  |  |             |  |  |             |      |  |             |  |      |  |  |  |
| C19-C36 Aliphatics                                                           | 3,000       | 3,000 | 3,000 | 9.43        | <6.64    | <6.71    | 31          | 13.6   | 11     | 20.6        | 241    | 18.7    | 28.9        | <6.92   | <7.04  |             |  |  |             |      |  |             |  |      |             |  |  |             |  |  |             |      |  |             |  |      |  |  |  |
| C11-C22 Aromatics, Adjusted                                                  | 1,000       | 1,000 | 1,000 | 39.5        | <6.64    | <6.71    | 19.6        | 13.9   | 17.5   | 19.5        | 47.9   | <6.82   | 15.3        | <6.92   | <7.04  |             |  |  |             |      |  |             |  |      |             |  |  |             |  |  |             |      |  |             |  |      |  |  |  |
| Naphthalene                                                                  | 4           | 4     | 500   | <0.345      | <0.332   | <0.335   | <0.33       | <0.335 | <0.338 | <0.341      | <0.341 | <0.341  | <0.351      | <0.346  | <0.352 |             |  |  |             |      |  |             |  |      |             |  |  |             |  |  |             |      |  |             |  |      |  |  |  |
| 2-Methylnaphthalene                                                          | 0.7         | 0.7   | 300   | <0.345      | <0.332   | <0.335   | <0.33       | <0.335 | <0.338 | <0.341      | <0.341 | <0.341  | <0.351      | <0.346  | <0.352 |             |  |  |             |      |  |             |  |      |             |  |  |             |  |  |             |      |  |             |  |      |  |  |  |
| Acenaphthylene                                                               | 2           | 2     | 10    | <0.345      | <0.332   | <0.335   | <0.33       | <0.335 | <0.338 | <0.341      | <0.341 | <0.341  | <0.351      | <0.346  | <0.352 |             |  |  |             |      |  |             |  |      |             |  |  |             |  |  |             |      |  |             |  |      |  |  |  |
| Acenaphthene                                                                 | 4           | 4     | 1,000 | <0.345      | <0.332   | <0.335   | <0.33       | <0.335 | <0.338 | <0.341      | <0.341 | <0.341  | <0.351      | <0.346  | <0.352 |             |  |  |             |      |  |             |  |      |             |  |  |             |  |  |             |      |  |             |  |      |  |  |  |
| Fluorene                                                                     | 1,000       | 1,000 | 1,000 | <0.345      | <0.332   | <0.335   | <0.33       | <0.335 | <0.338 | <0.341      | <0.341 | <0.341  | <0.351      | <0.346  | <0.352 |             |  |  |             |      |  |             |  |      |             |  |  |             |  |  |             |      |  |             |  |      |  |  |  |
| Phenanthrene                                                                 | 10          | 10    | 500   | <0.345      | <0.332   | <0.335   | <0.33       | <0.335 | <0.338 | 0.667       | <0.341 | <0.341  | <0.351      | <0.346  | <0.352 |             |  |  |             |      |  |             |  |      |             |  |  |             |  |  |             |      |  |             |  |      |  |  |  |
| Anthracene                                                                   | 1,000       | 1,000 | 1,000 | <0.345      | <0.332   | <0.335   | <0.33       | <0.335 | <0.338 | <0.341      | <0.341 | <0.341  | <0.351      | <0.346  | <0.352 |             |  |  |             |      |  |             |  |      |             |  |  |             |  |  |             |      |  |             |  |      |  |  |  |
| Fluoranthene                                                                 | 1,000       | 1,000 | 1,000 | <0.345      | <0.332   | <0.335   | <0.33       | <0.335 | <0.338 | 1.12        | 0.516  | <0.341  | <0.351      | <0.346  | <0.352 |             |  |  |             |      |  |             |  |      |             |  |  |             |  |  |             |      |  |             |  |      |  |  |  |
| Pyrene                                                                       | 1,000       | 1,000 | 1,000 | <0.345      | <0.332   | <0.335   | <0.33       | <0.335 | <0.338 | 0.896       | 0.396  | <0.341  | <0.351      | <0.346  | <0.352 |             |  |  |             |      |  |             |  |      |             |  |  |             |  |  |             |      |  |             |  |      |  |  |  |
| Benzo(a)anthracene                                                           | 20          | 20    | 20    | <0.345      | <0.332   | <0.335   | <0.33       | <0.335 | <0.338 | <0.341      | <0.341 | <0.341  | <0.351      | <0.346  | <0.352 |             |  |  |             |      |  |             |  |      |             |  |  |             |  |  |             |      |  |             |  |      |  |  |  |
| Chrysene                                                                     | 200         | 200   | 200   | <0.345      | <0.332   | <0.335   | <0.33       | <0.335 | <0.338 | 0.504       | <0.341 | <0.341  | <0.351      | <0.346  | <0.352 |             |  |  |             |      |  |             |  |      |             |  |  |             |  |  |             |      |  |             |  |      |  |  |  |
| Benzo(b)fluoranthene                                                         | 20          | 20    | 20    | <0.345      | <0.332   | <0.335   | <0.33       | <0.335 | <0.338 | 0.51        | <0.341 | <0.341  | <0.351      | <0.346  | <0.352 |             |  |  |             |      |  |             |  |      |             |  |  |             |  |  |             |      |  |             |  |      |  |  |  |
| Benzo(k)fluoranthene                                                         | 200         | 200   | 200   | <0.345      | <0.332   | <0.335   | <0.33       | <0.335 | <0.338 | <0.341      | <0.341 | <0.341  | <0.351      | <0.346  | <0.352 |             |  |  |             |      |  |             |  |      |             |  |  |             |  |  |             |      |  |             |  |      |  |  |  |
| Benzo(a)pyrene                                                               | 2           | 2     | 2     | <0.345      | <0.332   | <0.335   | <0.33       | <0.335 | <0.338 | 0.399       | <0.341 | <0.341  | <0.351      | <0.346  | <0.352 |             |  |  |             |      |  |             |  |      |             |  |  |             |  |  |             |      |  |             |  |      |  |  |  |
| Indeno(1,2,3-cd)Pyrene                                                       | 20          | 20    | 20    | <0.345      | <0.332   | <0.335   | <0.33       | <0.335 | <0.338 | <0.341      | <0.341 | <0.341  | <0.351      | <0.346  | <0.352 |             |  |  |             |      |  |             |  |      |             |  |  |             |  |  |             |      |  |             |  |      |  |  |  |
| Dibenzo(a,h)anthracene                                                       | 2           | 2     | 2     | <0.345      | <0.332   | <0.335   | <0.33       | <0.335 | <0.338 | <0.341      | <0.341 | <0.341  | <0.351      | <0.346  | <0.352 |             |  |  |             |      |  |             |  |      |             |  |  |             |  |  |             |      |  |             |  |      |  |  |  |
| Benzo(ghi)perylene                                                           | 1,000       | 1,000 | 1,000 | <0.345      | <0.332   | <0.335   | <0.33       | <0.335 | <0.338 | <0.341      | <0.341 | <0.341  | <0.351      | <0.346  | <0.352 |             |  |  |             |      |  |             |  |      |             |  |  |             |  |  |             |      |  |             |  |      |  |  |  |
| VOLATILE PETROLEUM HYDROCARBONS                                              |             |       |       |             |          |          |             |        |        |             |        |         |             |         |        |             |  |  |             |      |  |             |  |      |             |  |  |             |  |  |             |      |  |             |  |      |  |  |  |
| C9-C10 Aromatics                                                             | 100         | 100   | 100   | <6.13       | NA       | <8.68    | <5.98       | <5.98  | <5.7   | <5.9        | 6.2    | <5.8    | <6.2        | <5.68   | <6.06  |             |  |  |             |      |  |             |  |      |             |  |  |             |  |  |             |      |  |             |  |      |  |  |  |
| C5-C8 Aliphatics, Adjusted                                                   | 100         | 100   | 100   | <6.13       | NA       | <8.68    | <5.98       | <5.98  | <5.7   | <5.9        | <5.56  | <5.8    | <6.2        | <5.68   | <6.06  |             |  |  |             |      |  |             |  |      |             |  |  |             |  |  |             |      |  |             |  |      |  |  |  |
| C9-C12 Aliphatics, Adjusted                                                  | 1,000       | 1,000 | 1,000 | <6.13       | NA       | <8.68    | <5.98       | <5.98  | <5.7   | <5.9        | <5.56  | <5.8    | <6.2        | <5.68   | <6.06  |             |  |  |             |      |  |             |  |      |             |  |  |             |  |  |             |      |  |             |  |      |  |  |  |
| MCP TOTAL METALS                                                             |             |       |       |             |          |          |             |        |        |             |        |         |             |         |        |             |  |  |             |      |  |             |  |      |             |  |  |             |  |  |             |      |  |             |  |      |  |  |  |
| Antimony, Total                                                              | 20          | 20    | 20    | <3.97       | <4.01    | <4.04    | <4.04       | <4.09  | <3.98  | <4.05       | <4.05  | <4.11   | <4.17       | <4      | <4.2   |             |  |  |             |      |  |             |  |      |             |  |  |             |  |  |             |      |  |             |  |      |  |  |  |
| Arsenic, Total                                                               | 20          | 20    | 20    | 1.27        | 2.71     | 7.81     | 1.32        | 1.71   | 3.56   | 2.69        | 1.67   | 1.37    | 7           | 3.46    | 2.31   |             |  |  |             |      |  |             |  |      |             |  |  |             |  |  |             |      |  |             |  |      |  |  |  |
| Barium, Total                                                                | 1,000       | 1,000 | 1,000 | 3.18        | 1.39     | 1.71     | 2.13        | 7.74   | 4.8    | 4.09        | 5.7    | 3.58    | 10.7        | 2.77    | 4.57   |             |  |  |             |      |  |             |  |      |             |  |  |             |  |  |             |      |  |             |  |      |  |  |  |
| Beryllium, Total                                                             | 100         | 100   | 100   | <0.397      | <0.401   | <0.404   | <0.404      | <0.409 | <0.398 | <0.405      | <0.405 | <0.411  | <0.417      | <0.4    | <0.42  |             |  |  |             |      |  |             |  |      |             |  |  |             |  |  |             |      |  |             |  |      |  |  |  |
| Cadmium, Total                                                               | 80          | 80    | 80    | <0.794      | <0.801   | <0.807   | <0.808      | <0.817 | <0.796 | <0.811      | <0.81  | <0.821  | <0.835      | <0.8    | <0.841 |             |  |  |             |      |  |             |  |      |             |  |  |             |  |  |             |      |  |             |  |      |  |  |  |
| Chromium, Total                                                              | 100         | 100   | 100   | 1.86        | 2.46     | 2.35     | 2.22        | 7.47   | 11.7   | 5.44        | 5.34   | 4.9     | 10.9        | 5.91    | 3.49   |             |  |  |             |      |  |             |  |      |             |  |  |             |  |  |             |      |  |             |  |      |  |  |  |
| Lead, Total                                                                  | 200         | 200   | 200   | 5.36        | <4.01    | <4.04    | <4.04       | 36.2   | 34.2   | 43.9        | 34.1   | 29.1    | 26.2        | <4      | 10.4   |             |  |  |             |      |  |             |  |      |             |  |  |             |  |  |             |      |  |             |  |      |  |  |  |
| Mercury, Total                                                               | 20          | 20    | 20    | <0.067      | <0.069   | <0.067   | <0.069      | <0.072 | <0.068 | <0.073      | <0.071 | <0.069  | 0.091       | <0.073  | <0.072 |             |  |  |             |      |  |             |  |      |             |  |  |             |  |  |             |      |  |             |  |      |  |  |  |
| Nickel, Total                                                                | 700         | 700   | 700   | <1.98       | <2       | <2.02    | <2.02       | 3.08   | 2.32   | 3.44        | 2.55   | <2.05   | 4.57        | 3.14    | <2.1   |             |  |  |             |      |  |             |  |      |             |  |  |             |  |  |             |      |  |             |  |      |  |  |  |
| Selenium, Total                                                              | 400         | 400   | 400   | <3.97       | <4.01    | <4.04    | <4.04       | <4.09  | <3.98  | <4.05       | <4.05  | <4.11   | <4.17       | <4      | <4.2   |             |  |  |             |      |  |             |  |      |             |  |  |             |  |  |             |      |  |             |  |      |  |  |  |
| Silver, Total                                                                | 100         | 100   | 100   | <0.794      | <0.801   | <0.807   | <0.808      | <0.817 | <0.796 | <0.811      | <0.81  | <0.821  | <0.835      | <0.8    | <0.841 |             |  |  |             |      |  |             |  |      |             |  |  |             |  |  |             |      |  |             |  |      |  |  |  |
| Thallium, Total                                                              | 8           | 8     | 8     | <3.97       | <4.01    | <4.04    | <4.04       | <4.09  | <3.98  | <4.05       | <4.05  | <4.11   | <4.17       | <4      | <4.2   |             |  |  |             |      |  |             |  |      |             |  |  |             |  |  |             |      |  |             |  |      |  |  |  |
| Vanadium, Total                                                              | 500         | 500   | 500   | 3.68        | 2.72     | 3.57     | 2.64        | 6.61   | 4.96   | 6.11        | 4.98   | 4.2     | 9.02        | 6.16    | 6.43   |             |  |  |             |      |  |             |  |      |             |  |  |             |  |  |             |      |  |             |  |      |  |  |  |
| Zinc, Total                                                                  | 1,000       | 1,000 | 1,000 | 6.68        | <4.01    | 4.62     | 5.06        | 14.8   | 12     | 17.1        | 29.1   | 14.3    | 186         | 7.79    | 7.97   |             |  |  |             |      |  |             |  |      |             |  |  |             |  |  |             |      |  |             |  |      |  |  |  |
| GENERAL CHEMISTRY                                                            |             |       |       |             |          |          |             |        |        |             |        |         |             |         |        |             |  |  |             |      |  |             |  |      |             |  |  |             |  |  |             |      |  |             |  |      |  |  |  |
| Solids, Total                                                                | NS          | NS    | NS    | 95.1        | 96.9     | 97.7     | 97.5        | 95     | 97.6   | 95.7        | 96.2   | 95.7    | 94.4        | 95.4    | 92.2   |             |  |  |             |      |  |             |  |      |             |  |  |             |  |  |             |      |  |             |  |      |  |  |  |

**Table 2 - Waste Characterization Analytical Results**

Truro Department of Public Works  
17 Town Hall Road, Truro, MA

|                                                                              |       |          |          | SAMPLE ID:       | WC-TP5      |
|------------------------------------------------------------------------------|-------|----------|----------|------------------|-------------|
|                                                                              |       |          |          | LAB ID:          | L2439397-01 |
|                                                                              |       |          |          | COLLECTION DATE: | 7/11/2024   |
|                                                                              |       |          |          | SAMPLE MATRIX:   | SOIL        |
| 2024 Applicable MCP Reportable Concentrations and Method 1 Standards (mg/kg) | RCS-1 | S-1/GW-1 | S-1/GW-3 |                  |             |
| MCP VOLATILE ORGANICS BY EPA 5035                                            |       |          |          |                  |             |
| Methylene chloride                                                           | 0.1   | 0.1      | 300      | <0.28            |             |
| 1,1-Dichloroethane                                                           | 0.4   | 0.4      | 500      | <0.055           |             |
| Chloroform                                                                   | 0.2   | 0.4      | 500      | <0.083           |             |
| Carbon tetrachloride                                                         | 5     | 10       | 30       | <0.055           |             |
| 1,2-Dichloropropane                                                          | 0.1   | 0.1      | 60       | <0.055           |             |
| Dibromochloromethane                                                         | 0.005 | 0.005    | 30       | <0.055           |             |
| 1,1,2-Trichloroethane                                                        | 0.1   | 0.1      | 40       | <0.055           |             |
| Tetrachloroethene                                                            | 1     | 1        | 100      | <0.028           |             |
| Chlorobenzene                                                                | 1     | 1        | 100      | <0.028           |             |
| Trichlorofluoromethane                                                       | 1,000 | NS       | NS       | <0.22            |             |
| 1,2-Dichloroethane                                                           | 0.1   | 0.1      | 30       | <0.055           |             |
| 1,1,1-Trichloroethane                                                        | 30    | 30       | 500      | <0.028           |             |
| Bromodichloromethane                                                         | 0.1   | 0.1      | 40       | <0.028           |             |
| trans-1,3-Dichloropropene                                                    | 0.01  | 0.01     | 20       | <0.055           |             |
| cis-1,3-Dichloropropene                                                      | 0.01  | 0.01     | 20       | <0.028           |             |
| 1,3-Dichloropropene, Total                                                   | 0.01  | 0.01     | 20       | <0.028           |             |
| 1,1-Dichloropropene                                                          | NS    | NS       | NS       | <0.028           |             |
| Bromoform                                                                    | 0.1   | 0.1      | 300      | <0.22            |             |
| 1,1,2,2-Tetrachloroethane                                                    | 0.005 | 0.005    | 10       | <0.028           |             |
| Benzene                                                                      | 2     | 2        | 40       | 0.11             |             |
| Toluene                                                                      | 30    | 30       | 500      | 1.4              |             |
| Ethylbenzene                                                                 | 40    | 40       | 500      | 0.51             |             |
| Chloromethane                                                                | 100   | NS       | NS       | <0.22            |             |
| Bromomethane                                                                 | 0.5   | 0.5      | 30       | <0.11            |             |
| Vinyl chloride                                                               | 0.3   | 0.3      | 0.3      | <0.055           |             |
| Chloroethane                                                                 | 100   | NS       | NS       | <0.11            |             |
| 1,1-Dichloroethene                                                           | 3     | 3        | 500      | <0.055           |             |
| trans-1,2-Dichloroethene                                                     | 1     | 1        | 500      | <0.083           |             |
| Trichloroethene                                                              | 0.3   | 0.3      | 30       | <0.028           |             |
| 1,2-Dichlorobenzene                                                          | 9     | 9        | 300      | <0.11            |             |
| 1,3-Dichlorobenzene                                                          | 3     | 3        | 100      | <0.11            |             |
| 1,4-Dichlorobenzene                                                          | 0.7   | 0.7      | 100      | <0.11            |             |
| Methyl tert butyl ether                                                      | 0.1   | 0.1      | 100      | 0.15             |             |
| p/m-Xylene                                                                   | 100   | 400      | 500      | 2.2              |             |
| o-Xylene                                                                     | 100   | 400      | 500      | 0.84             |             |
| Xylenes, Total                                                               | 100   | 400      | 500      | 3                |             |
| cis-1,2-Dichloroethene                                                       | 0.1   | 0.3      | 100      | <0.055           |             |
| 1,2-Dichloroethene, Total                                                    | 0.3   | NS       | NS       | <0.055           |             |
| Dibromomethane                                                               | 500   | NS       | NS       | <0.11            |             |
| 1,2,3-Trichloropropane                                                       | 100   | NS       | NS       | <0.11            |             |
| Styrene                                                                      | 3     | 3        | 80       | <0.055           |             |
| Dichlorodifluoromethane                                                      | 1,000 | NS       | NS       | <0.55            |             |
| Acetone                                                                      | 6     | 6        | 400      | <0.55            |             |
| Carbon disulfide                                                             | 100   | NS       | NS       | <0.55            |             |
| Methyl ethyl ketone                                                          | 4     | 4        | 400      | <0.55            |             |
| Methyl isobutyl ketone                                                       | 0.4   | 0.4      | 400      | <0.55            |             |
| 2-Hexanone                                                                   | 100   | NS       | NS       | <0.55            |             |
| Bromochloromethane                                                           | NS    | NS       | NS       | <0.11            |             |
| Tetrahydrofuran                                                              | 500   | NS       | NS       | <0.22            |             |
| 2,2-Dichloropropane                                                          | NS    | NS       | NS       | <0.11            |             |
| 1,2-Dibromoethane                                                            | 0.1   | 0.1      | 1        | <0.055           |             |
| 1,3-Dichloropropane                                                          | 500   | NS       | NS       | <0.11            |             |
| 1,1,1,2-Tetrachloroethane                                                    | 0.1   | 0.1      | 90       | <0.028           |             |
| Bromobenzene                                                                 | 100   | NS       | NS       | <0.11            |             |
| n-Butylbenzene                                                               | NS    | NS       | NS       | 0.063            |             |
| sec-Butylbenzene                                                             | NS    | NS       | NS       | <0.055           |             |



**Table 2 - Waste Characterization Analytical Results**

Truro Department of Public Works

17 Town Hall Road, Truro, MA

| SAMPLE ID:                                                                   |       |          |          | WC-TP5      |
|------------------------------------------------------------------------------|-------|----------|----------|-------------|
| LAB ID:                                                                      |       |          |          | L2439397-01 |
| COLLECTION DATE:                                                             |       |          |          | 7/11/2024   |
| SAMPLE MATRIX:                                                               |       |          |          | SOIL        |
| 2024 Applicable MCP Reportable Concentrations and Method 1 Standards (mg/kg) | RCS-1 | S-1/GW-1 | S-1/GW-3 |             |
| tert-Butylbenzene                                                            | 100   | NS       | NS       | <0.11       |
| o-Chlorotoluene                                                              | 100   | NS       | NS       | <0.11       |
| p-Chlorotoluene                                                              | NS    | NS       | NS       | <0.11       |
| 1,2-Dibromo-3-chloropropane                                                  | 10    | NS       | NS       | <0.16       |
| Hexachlorobutadiene                                                          | 30    | 30       | 30       | <0.22       |
| Isopropylbenzene                                                             | 1,000 | NS       | NS       | <0.055      |
| p-Isopropyltoluene                                                           | 100   | NS       | NS       | <0.055      |
| Naphthalene                                                                  | 4     | 4        | 500      | 0.29        |
| n-Propylbenzene                                                              | 100   | NS       | NS       | 0.22        |
| 1,2,3-Trichlorobenzene                                                       | NS    | NS       | NS       | <0.11       |
| 1,2,4-Trichlorobenzene                                                       | 2     | 2        | 700      | <0.11       |
| 1,3,5-Trimethylbenzene                                                       | 10    | NS       | NS       | 0.42        |
| 1,2,4-Trimethylbenzene                                                       | 1,000 | NS       | NS       | 1.4         |
| Diethyl ether                                                                | 100   | NS       | NS       | <0.11       |
| Diisopropyl Ether                                                            | 100   | NS       | NS       | <0.11       |
| Ethyl-Tert-Butyl-Ether                                                       | NS    | NS       | NS       | <0.11       |
| Tertiary-Amyl Methyl Ether                                                   | NS    | NS       | NS       | <0.11       |
| 1,4-Dioxane                                                                  | 0.2   | 0.2      | 20       | <4.4        |
| SUM                                                                          | NS    | NS       | NS       | 7.603       |
| MCP SEMIVOLATILE ORGANICS                                                    |       |          |          |             |
| Acenaphthene                                                                 | 4     | 4        | 1,000    | 0.92        |
| 1,2,4-Trichlorobenzene                                                       | 2     | 2        | 700      | <0.17       |
| Hexachlorobenzene                                                            | 0.7   | 0.7      | 0.7      | <0.071      |
| Bis(2-chloroethyl)ether                                                      | 0.7   | 0.7      | 2        | 0.16        |
| 2-Chloronaphthalene                                                          | 1,000 | NS       | NS       | <0.17       |
| 1,2-Dichlorobenzene                                                          | 9     | 9        | 300      | <0.17       |
| 1,3-Dichlorobenzene                                                          | 3     | 3        | 100      | <0.17       |
| 1,4-Dichlorobenzene                                                          | 0.7   | 0.7      | 100      | <0.071      |
| 3,3'-Dichlorobenzidine                                                       | 3     | 3        | 3        | <0.17       |
| 2,4-Dinitrotoluene                                                           | 0.7   | 0.7      | 2        | <0.071      |
| 2,6-Dinitrotoluene                                                           | 100   | NS       | NS       | <0.17       |
| Azobenzene                                                                   | 50    | NS       | NS       | <0.17       |
| Fluoranthene                                                                 | 1,000 | 1,000    | 1,000    | 0.8         |
| 4-Bromophenyl phenyl ether                                                   | 100   | NS       | NS       | <0.17       |
| Bis(2-chloroisopropyl)ether                                                  | 0.7   | 0.7      | 30       | <0.071      |
| Bis(2-chloroethoxy)methane                                                   | 500   | NS       | NS       | <0.18       |
| Hexachlorobutadiene                                                          | 30    | 30       | 30       | <0.17       |
| Hexachloroethane                                                             | 0.7   | 0.7      | 50       | <0.071      |
| Isophorone                                                                   | 100   | NS       | NS       | <0.15       |
| Naphthalene                                                                  | 4     | 4        | 500      | 7           |
| Nitrobenzene                                                                 | 500   | NS       | NS       | <0.15       |
| Bis(2-ethylhexyl)phthalate                                                   | 100   | 100      | 100      | 0.79        |
| Butyl benzyl phthalate                                                       | 100   | NS       | NS       | <0.17       |
| Di-n-butylphthalate                                                          | 50    | NS       | NS       | <0.17       |
| Di-n-octylphthalate                                                          | 1,000 | NS       | NS       | <0.17       |
| Diethyl phthalate                                                            | 10    | 10       | 300      | <0.17       |
| Dimethyl phthalate                                                           | 0.7   | 0.7      | 600      | <0.071      |
| Benzo(a)anthracene                                                           | 20    | 20       | 20       | 0.38        |
| Benzo(a)pyrene                                                               | 2     | 2        | 2        | 0.47        |
| Benzo(b)fluoranthene                                                         | 20    | 20       | 20       | 0.55        |
| Benzo(k)fluoranthene                                                         | 200   | 200      | 200      | 0.12        |
| Chrysene                                                                     | 200   | 200      | 200      | 0.38        |
| Acenaphthylene                                                               | 2     | 2        | 10       | <0.14       |
| Anthracene                                                                   | 1,000 | 1,000    | 1,000    | 0.39        |
| Benzo(ghi)perylene                                                           | 1,000 | 1,000    | 1,000    | 0.37        |
| Fluorene                                                                     | 1,000 | 1,000    | 1,000    | 0.64        |
| Phenanthrene                                                                 | 10    | 10       | 500      | 1.5         |
| Dibenzo(a,h)anthracene                                                       | 2     | 2        | 2        | <0.071      |
| Indeno(1,2,3-cd)pyrene                                                       | 20    | 20       | 20       | 0.27        |
| Pvrene                                                                       | 1,000 | 1,000    | 1,000    | 0.81        |

**Table 2 - Waste Characterization Analytical Results**

Truro Department of Public Works

17 Town Hall Road, Truro, MA

|                                                                              |       |          |          | SAMPLE ID:       | WC-TP5      |
|------------------------------------------------------------------------------|-------|----------|----------|------------------|-------------|
|                                                                              |       |          |          | LAB ID:          | L2439397-01 |
|                                                                              |       |          |          | COLLECTION DATE: | 7/11/2024   |
|                                                                              |       |          |          | SAMPLE MATRIX:   | SOIL        |
| 2024 Applicable MCP Reportable Concentrations and Method 1 Standards (mg/kg) | RCS-1 | S-1/GW-1 | S-1/GW-3 |                  |             |
| Aniline                                                                      | 1,000 | NS       | NS       | <0.2             |             |
| 4-Chloroaniline                                                              | 1     | 1        | 3        | <0.17            |             |
| Dibenzofuran                                                                 | 100   | NS       | NS       | 0.62             |             |
| 2-Methylnaphthalene                                                          | 0.7   | 0.7      | 300      | 4.6              |             |
| Acetophenone                                                                 | 1,000 | NS       | NS       | <0.17            |             |
| 2,4,6-Trichlorophenol                                                        | 0.7   | 0.7      | 20       | <0.071           |             |
| 2-Chlorophenol                                                               | 0.7   | 0.7      | 100      | <0.071           |             |
| 2,4-Dichlorophenol                                                           | 0.7   | 0.7      | 40       | <0.071           |             |
| 2,4-Dimethylphenol                                                           | 0.7   | 0.7      | 500      | <0.071           |             |
| 2-Nitrophenol                                                                | 100   | NS       | NS       | <0.37            |             |
| 4-Nitrophenol                                                                | 100   | NS       | NS       | <0.24            |             |
| 2,4-Dinitrophenol                                                            | 3     | 3        | 50       | <0.81            |             |
| Pentachlorophenol                                                            | 3     | 3        | 3        | <0.34            |             |
| Phenol                                                                       | 0.9   | 0.9      | 20       | 0.25             |             |
| 2-Methylphenol                                                               | 500   | NS       | NS       | <0.17            |             |
| 3-Methylphenol/4-Methylphenol                                                | 500   | NS       | NS       | <0.24            |             |
| 2,4,5-Trichlorophenol                                                        | 4     | 4        | 600      | <0.17            |             |
| Biphenyl                                                                     | 0.05  | 0.05     | 200      | 0.42             |             |
| SUM                                                                          | NS    | NS       | NS       | 22.54            |             |
| MCP CHLORINATED HERBICIDES                                                   |       |          |          |                  |             |
| MCPP                                                                         | NS    | NS       | NS       | <3.4             |             |
| MCPA                                                                         | 100   | NS       | NS       | <3.4             |             |
| Dalapon                                                                      | 1,000 | NS       | NS       | <0.034           |             |
| Dicamba                                                                      | 500   | NS       | NS       | <0.034           |             |
| Dichloroprop                                                                 | NS    | NS       | NS       | <0.034           |             |
| 2,4-D                                                                        | 100   | NS       | NS       | <0.034           |             |
| 2,4-DB                                                                       | 100   | NS       | NS       | <0.034           |             |
| 2,4,5-T                                                                      | 100   | NS       | NS       | <0.034           |             |
| 2,4,5-TP (Silvex)                                                            | 100   | NS       | NS       | <0.034           |             |
| MCP ORGANOCHLORINE PESTICIDES                                                |       |          |          |                  |             |
| Delta-BHC                                                                    | 10    | NS       | NS       | <0.00162         |             |
| Lindane                                                                      | 0.003 | 0.003    | 0.5      | <0.00054         |             |
| Alpha-BHC                                                                    | 50    | NS       | NS       | <0.000675        |             |
| Beta-BHC                                                                     | 10    | NS       | NS       | <0.00162         |             |
| Heptachlor                                                                   | 0.3   | 0.3      | 0.3      | <0.00081         |             |
| Aldrin                                                                       | 0.09  | 0.09     | 0.09     | <0.00162         |             |
| Heptachlor epoxide                                                           | 0.2   | 0.2      | 0.2      | <0.00304         |             |
| Endrin                                                                       | 20    | 20       | 20       | <0.000675        |             |
| Endrin ketone                                                                | NS    | NS       | NS       | <0.00162         |             |
| Dieldrin                                                                     | 0.09  | 0.09     | 0.09     | <0.00101         |             |
| 4,4'-DDE                                                                     | 7     | 7        | 7        | 0.00753          |             |
| 4,4'-DDD                                                                     | 10    | 10       | 10       | <0.00162         |             |
| 4,4'-DDT                                                                     | 7     | 7        | 7        | 0.0116           |             |
| Endosulfan I                                                                 | 0.6   | 0.6      | 1        | <0.00162         |             |
| Endosulfan II                                                                | 0.6   | 0.6      | 1        | <0.00162         |             |
| Endosulfan sulfate                                                           | 0.6   | 0.6      | 1        | <0.000675        |             |
| Methoxychlor                                                                 | 300   | 300      | 300      | <0.00304         |             |
| Chlordane                                                                    | 0.7   | 6        | 6        | <0.0135          |             |
| Hexachlorobenzene                                                            | 0.7   | 0.7      | 0.7      | <0.00162         |             |

**Table 2 - Waste Characterization Analytical Results**

Truro Department of Public Works

17 Town Hall Road, Truro, MA

|                                                                              |       |          |          | SAMPLE ID:       | WC-TP5      |
|------------------------------------------------------------------------------|-------|----------|----------|------------------|-------------|
|                                                                              |       |          |          | LAB ID:          | L2439397-01 |
|                                                                              |       |          |          | COLLECTION DATE: | 7/11/2024   |
|                                                                              |       |          |          | SAMPLE MATRIX:   | SOIL        |
| 2024 Applicable MCP Reportable Concentrations and Method 1 Standards (mg/kg) | RCS-1 | S-1/GW-1 | S-1/GW-3 |                  |             |
| MCP POLYCHLORINATED BIPHENYLS                                                |       |          |          |                  |             |
| Aroclor 1016                                                                 | 1     | 1        | 1        | <0.251           |             |
| Aroclor 1221                                                                 | 1     | 1        | 1        | <0.251           |             |
| Aroclor 1232                                                                 | 1     | 1        | 1        | <0.251           |             |
| Aroclor 1242                                                                 | 1     | 1        | 1        | <0.251           |             |
| Aroclor 1248                                                                 | 1     | 1        | 1        | <0.251           |             |
| Aroclor 1254                                                                 | 1     | 1        | 1        | <0.251           |             |
| Aroclor 1260                                                                 | 1     | 1        | 1        | <0.251           |             |
| Aroclor 1262                                                                 | 1     | 1        | 1        | <0.251           |             |
| Aroclor 1268                                                                 | 1     | 1        | 1        | <0.251           |             |
| PCBs, Total                                                                  | 1     | 1        | 1        | <0.251           |             |
| PETROLEUM HYDROCARBON IDENTIFICATION BY GC-FID                               |       |          |          |                  |             |
| Total Petroleum Hydrocarbons (C9-C44)                                        | NS    | NS       | NS       | 2,680*           |             |
| PETROLEUM HYDROCARBON QUANTITATION                                           |       |          |          |                  |             |
| TPH (C10-C36)                                                                | 1,000 | 1,000    | 1,000    | 1,720            |             |
| MCP TOTAL METALS                                                             |       |          |          |                  |             |
| Antimony, Total                                                              | 20    | 20       | 20       | <3.95            |             |
| Arsenic, Total                                                               | 20    | 20       | 20       | 7.08             |             |
| Barium, Total                                                                | 1,000 | 1,000    | 1,000    | 17.4             |             |
| Beryllium, Total                                                             | 100   | 100      | 100      | <0.395           |             |
| Cadmium, Total                                                               | 80    | 80       | 80       | <0.791           |             |
| Chromium, Total                                                              | 100   | 100      | 100      | 9.89             |             |
| Lead, Total                                                                  | 200   | 200      | 200      | 4.22             |             |
| Mercury, Total                                                               | 20    | 20       | 20       | <0.069           |             |
| Nickel, Total                                                                | 700   | 700      | 700      | 8.58             |             |
| Selenium, Total                                                              | 400   | 400      | 400      | <3.95            |             |
| Silver, Total                                                                | 100   | 100      | 100      | <0.791           |             |
| Thallium, Total                                                              | 8     | 8        | 8        | <3.95            |             |
| Vanadium, Total                                                              | 500   | 500      | 500      | 13.2             |             |
| Zinc, Total                                                                  | 1,000 | 1,000    | 1,000    | 19.4             |             |
| GENERAL CHEMISTRY                                                            |       |          |          |                  |             |
| Specific Conductance @ 25 C                                                  | NS    | NS       | NS       | 23               |             |
| Solids, Total                                                                | NS    | NS       | NS       | 95.8             |             |
| pH (H)                                                                       | NS    | NS       | NS       | 7.53             |             |
| Cyanide, Reactive                                                            | NS    | NS       | NS       | <10              |             |
| Sulfide, Reactive                                                            | NS    | NS       | NS       | <10              |             |
| IGNITABILITY OF SOLIDS                                                       |       |          |          |                  |             |
| Ignitability                                                                 | NS    | NS       | NS       | NI               |             |

\* Comparison is not performed on parameters with non-numeric criteria.

## Notes:

1. MCP = 2024 Massachusetts Contingency Plan
2. S-1/GW-1 and S-1/GW-3 are the applicable Method 1 Soil Standards
3. RCS-1 = Reportable Concentrations for S-1 soils from the 2024 MCP
4. mg/kg = Milligram per kilogram
5. *Italic* = Laboratory Reporting Limit is above the regulatory criteria
6. **Bold** = Detection exceeds regulatory criteria
7. < = detection less than the laboratory reporting limit. Laboratory reporting limit shown.
8. NS = No standard
9. NA = Not analyzed
10. ND = Not detected above laboratory reporting limit
11. \* GCFID fingerprint is similar to gasoline and material which is similar to hydraulic, lubricating, or motor oil type product
12. NI = Not Ignitable

**Table 3 - Soil Boring Analytical Results**  
 Truro Department of Public Works  
 17 Town Hall Road, Truro, MA

|                                                                              |       |       |     | SAMPLE ID:       | SB-1 (2-4)  | SB-2 (4-6)  | SB-4 (2-4)  | SB-6 (2-4)  | SB-7 (2-4)  | SB-8 (8-10) | SB-9 (6-8)  | SB-10 (4-6) | SB-11 (10-12) | SB-12 (16-18) | SB-12 (108-110) | SB-14 (4-6) | SB-18 (4-6) |
|------------------------------------------------------------------------------|-------|-------|-----|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|---------------|-----------------|-------------|-------------|
|                                                                              |       |       |     | TOV PID          | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        | <0.1          | <0.1          | <0.1            | <0.1        | 51.3        |
|                                                                              |       |       |     | LAB ID:          | L2441230-01 | L2441230-02 | L2444094-01 | L2441230-03 | L2441230-04 | L2441230-05 | L2441230-06 | L2441230-07 | L2441230-08   | L2441230-09   | L2442969-01     | L2441230-10 | L2444094-02 |
|                                                                              |       |       |     | COLLECTION DATE: | 7/19/2024   | 7/19/2024   | 8/6/2024    | 7/19/2024   | 7/19/2024   | 7/19/2024   | 7/19/2024   | 7/19/2024   | 7/19/2024     | 7/19/2024     | 7/19/2024       | 7/19/2024   | 8/6/2024    |
|                                                                              |       |       |     | SAMPLE MATRIX:   | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL          | SOIL          | SOIL            | SOIL        | SOIL        |
| 2024 Applicable MCP Reportable Concentrations and Method 1 Standards (mg/kg) |       |       |     | RCS-1            | S-1/GW-1    | S-1/GW-3    |             |             |             |             |             |             |               |               |                 |             |             |
| MCP VOLATILE ORGANICS BY EPA 5035                                            |       |       |     |                  |             |             |             |             |             |             |             |             |               |               |                 |             |             |
| Methylene chloride                                                           | 0.1   | 0.1   | 300 | <0.0054          | <0.0053     | <0.0046     | <0.0054     | <0.0058     | <0.0059     | <0.006      | <0.0058     | <0.0032     | <0.006        | <0.0051       | <0.0061         | <0.0026     |             |
| 1,1-Dichloroethane                                                           | 0.4   | 0.4   | 500 | <0.0011          | <0.001      | <0.00092    | <0.0011     | <0.0012     | <0.0012     | <0.0012     | <0.0012     | <0.00065    | <0.0012       | <0.001        | <0.0012         | <0.0053     |             |
| Chloroform                                                                   | 0.2   | 0.4   | 500 | <0.0016          | <0.0016     | <0.0014     | <0.0016     | <0.0018     | <0.0018     | <0.0018     | <0.0018     | <0.00098    | <0.0018       | <0.0015       | <0.0018         | <0.00079    |             |
| Carbon tetrachloride                                                         | 5     | 10    | 30  | <0.0011          | <0.001      | <0.00092    | <0.0011     | <0.0012     | <0.0012     | <0.0012     | <0.0012     | <0.00065    | <0.0012       | <0.001        | <0.0012         | <0.00053    |             |
| 1,2-Dichloropropane                                                          | 0.1   | 0.1   | 60  | <0.0011          | <0.001      | <0.00092    | <0.0011     | <0.0012     | <0.0012     | <0.0012     | <0.0012     | <0.00065    | <0.0012       | <0.001        | <0.0012         | <0.00053    |             |
| Dibromochloromethane                                                         | 0.005 | 0.005 | 30  | <0.0011          | <0.001      | <0.00092    | <0.0011     | <0.0012     | <0.0012     | <0.0012     | <0.0012     | <0.00065    | <0.0012       | <0.001        | <0.0012         | <0.00053    |             |
| 1,1,2-Trichloroethane                                                        | 0.1   | 0.1   | 40  | <0.0011          | <0.001      | <0.00092    | <0.0011     | <0.0012     | <0.0012     | <0.0012     | <0.0012     | <0.00065    | <0.0012       | <0.001        | <0.0012         | <0.00053    |             |
| Tetrachloroethene                                                            | 1     | 1     | 100 | <0.00054         | <0.00053    | <0.00046    | <0.00054    | <0.00058    | <0.00059    | <0.0006     | <0.00058    | <0.00032    | <0.0006       | <0.00051      | <0.00061        | <0.00026    |             |
| Chlorobenzene                                                                | 1     | 1     | 100 | <0.00054         | <0.00053    | <0.00046    | <0.00054    | <0.00058    | <0.00059    | <0.0006     | <0.00058    | <0.00032    | <0.0006       | <0.00051      | <0.00061        | <0.00026    |             |
| Trichlorofluoromethane                                                       | 1,000 | NS    | NS  | <0.0043          | <0.0042     | <0.0037     | <0.0043     | <0.0047     | <0.0047     | <0.0048     | <0.0048     | <0.0047     | <0.0048       | <0.0041       | <0.0049         | <0.0021     |             |
| 1,2-Dichloroethane                                                           | 0.1   | 0.1   | 30  | <0.0011          | <0.001      | <0.00092    | <0.0011     | <0.0012     | <0.0012     | <0.0012     | <0.0012     | <0.00065    | <0.0012       | <0.001        | <0.0012         | <0.00053    |             |
| 1,1,1-Trichloroethane                                                        | 30    | 30    | 500 | <0.00054         | <0.00053    | <0.00046    | <0.00054    | <0.00058    | <0.00059    | <0.0006     | <0.00058    | <0.00032    | <0.0006       | <0.00051      | <0.00061        | <0.00026    |             |
| Bromodichloromethane                                                         | 0.1   | 0.1   | 40  | <0.00054         | <0.00053    | <0.00046    | <0.00054    | <0.00058    | <0.00059    | <0.0006     | <0.00058    | <0.00032    | <0.0006       | <0.00051      | <0.00061        | <0.00026    |             |
| trans-1,3-Dichloropropene                                                    | 0.01  | 0.01  | 20  | <0.0011          | <0.001      | <0.00092    | <0.0011     | <0.0012     | <0.0012     | <0.0012     | <0.0012     | <0.00065    | <0.0012       | <0.001        | <0.0012         | <0.00053    |             |
| cis-1,3-Dichloropropene                                                      | 0.01  | 0.01  | 20  | <0.00054         | <0.00053    | <0.00046    | <0.00054    | <0.00058    | <0.00059    | <0.0006     | <0.00058    | <0.00032    | <0.0006       | <0.00051      | <0.00061        | <0.00026    |             |
| 1,3-Dichloropropene, Total                                                   | 0.01  | 0.01  | 20  | <0.00054         | <0.00053    | <0.00046    | <0.00054    | <0.00058    | <0.00059    | <0.0006     | <0.00058    | <0.00032    | <0.0006       | <0.00051      | <0.00061        | <0.00026    |             |
| 1,1-Dichloropropene                                                          | NS    | NS    | NS  | <0.00054         | <0.00053    | <0.00046    | <0.00054    | <0.00058    | <0.00059    | <0.0006     | <0.00058    | <0.00032    | <0.0006       | <0.00051      | <0.00061        | <0.00026    |             |
| Bromoform                                                                    | 0.1   | 0.1   | 300 | <0.0043          | <0.0042     | <0.0037     | <0.0043     | <0.0047     | <0.0047     | <0.0048     | <0.0048     | <0.0047     | <0.0048       | <0.0041       | <0.0049         | <0.0021     |             |
| 1,1,2,2-Tetrachloroethane                                                    | 0.005 | 0.005 | 10  | <0.00054         | <0.00053    | <0.00046    | <0.00054    | <0.00058    | <0.00059    | <0.0006     | <0.00058    | <0.00032    | <0.0006       | <0.00051      | <0.00061        | <0.00026    |             |
| Benzene                                                                      | 2     | 2     | 40  | <0.00054         | <0.00053    | <0.00046    | <0.00054    | <0.00058    | <0.00059    | <0.0006     | <0.00058    | <0.00032    | <0.0006       | <0.00051      | <0.00061        | <0.00026    |             |
| Toluene                                                                      | 30    | 30    | 500 | <0.0011          | <0.001      | <0.00092    | <0.0011     | <0.0012     | <0.0012     | <0.0012     | <0.0012     | <0.00065    | <0.0012       | <0.001        | <0.0012         | <0.00053    |             |
| Ethylbenzene                                                                 | 40    | 40    | 500 | <0.0011          | <0.001      | <0.00092    | <0.0011     | <0.0012     | <0.0012     | <0.0012     | <0.0012     | <0.00065    | <0.0012       | <0.001        | <0.0012         | <0.00053    |             |
| Chloromethane                                                                | 100   | NS    | NS  | <0.0043          | <0.0042     | <0.0037     | <0.0043     | <0.0047     | <0.0047     | <0.0048     | <0.0048     | <0.0047     | <0.0048       | <0.0041       | <0.0049         | <0.0021     |             |
| Bromomethane                                                                 | 0.5   | 0.5   | 30  | <0.0022          | <0.0021     | <0.0018     | <0.0021     | <0.0023     | <0.0024     | <0.0024     | <0.0023     | <0.0013     | <0.0024       | <0.002        | <0.0024         | <0.001      |             |
| Vinyl chloride                                                               | 0.3   | 0.3   | 0.3 | <0.0011          | <0.001      | <0.00092    | <0.0011     | <0.0012     | <0.0012     | <0.0012     | <0.0012     | <0.00065    | <0.0012       | <0.001        | <0.0012         | <0.00053    |             |
| Chloroethane                                                                 | 100   | NS    | NS  | <0.0022          | <0.0021     | <0.0018     | <0.0021     | <0.0023     | <0.0024     | <0.0024     | <0.0023     | <0.0013     | <0.0024       | <0.002        | <0.0024         | <0.001      |             |
| 1,1-Dichloroethene                                                           | 3     | 3     | 500 | <0.0011          | <0.001      | <0.00092    | <0.0011     | <0.0012     | <0.0012     | <0.0012     | <0.0012     | <0.00065    | <0.0012       | <0.001        | <0.0012         | <0.00053    |             |
| trans-1,2-Dichloroethene                                                     | 1     | 1     | 500 | <0.0016          | <0.0016     | <0.0014     | <0.0016     | <0.0018     | <0.0018     | <0.0018     | <0.0018     | <0.00098    | <0.0018       | <0.0015       | <0.0018         | <0.00079    |             |
| Trichloroethene                                                              | 0.3   | 0.3   | 30  | <0.00054         | <0.00053    | <0.00046    | <0.00054    | <0.00058    | <0.00059    | <0.0006     | <0.00058    | <0.00032    | <0.0006       | <0.00051      | <0.00061        | <0.00026    |             |
| 1,2-Dichlorobenzene                                                          | 9     | 9     | 300 | <0.0022          | <0.0021     | <0.0018     | <0.0021     | <0.0023     | <0.0024     | <0.0024     | <0.0023     | <0.0013     | <0.0024       | <0.002        | <0.0024         | <0.001      |             |
| 1,3-Dichlorobenzene                                                          | 3     | 3     | 100 | <0.0022          | <0.0021     | <0.0018     | <0.0021     | <0.0023     | <0.0024     | <0.0024     | <0.0023     | <0.0013     | <0.0024       | <0.002        | <0.0024         | <0.001      |             |
| 1,4-Dichlorobenzene                                                          | 0.7   | 0.7   | 100 | <0.0022          | <0.0021     | <0.0018     | <0.0021     | <0.0023     | <0.0024     | <0.0024     | <0.0023     | <0.0013     | <0.0024       | <0.002        | <0.0024         | <0.001      |             |
| Methyl tert butyl ether                                                      | 0.1   | 0.1   | 100 | <0.0022          | <0.0021     | <0.0018     | <0.0021     | <0.0023     | <0.0024     | <0.0024     | <0.0023     | <0.0013     | <0.0024       | <0.002        | <0.0024         | <0.001      |             |
| p/m-Xylene                                                                   | 100   | 400   | 500 | <0.0022          | <0.0021     | <0.0018     | <0.0021     | <0.0023     | <0.0024     | <0.0024     | <0.0023     | <0.0013     | <0.0024       | <0.002        | <0.0024         | 0.00031     |             |
| o-Xylene                                                                     | 100   | 400   | 500 | <0.0011          | <0.001      | <0.00092    | <0.0011     | <0.0012     | <0.0012     | <0.0012     | <0.0012     | <0.00065    | <0.0012       | <0.001        | <0.0012         | <0.00053    |             |
| Xylenes, Total                                                               | 100   | 400   | 500 | <0.0011          | <0.001      | <0.00092    | <0.0011     | <0.0012     | <0.0012     | <0.0012     | <0.0012     | <0.00065    | <0.0012       | <0.001        | <0.0012         | 0.00031     |             |
| cis-1,2-Dichloroethene                                                       | 0.1   | 0.3   | 100 | <0.0011          | <0.001      | <0.00092    | <0.0011     | <0.0012     | <0.0012     | <0.0012     | <0.0012     | <0.00065    | <0.0012       | <0.001        | <0.0012         | <0.00053    |             |
| 1,2-Dichloroethene, Total                                                    | 0.3   | NS    | NS  | <0.0011          | <0.001      | <0.00092    | <0.0011     | <0.0012     | <0.0012     | <0.0012     | <0.0012     | <0.00065    | <0.0012       | <0.001        | <0.0012         | <0.00053    |             |
| Dibromomethane                                                               | 500   | NS    | NS  | <0.0022          | <0.0021     | <0.0018     | <0.0021     | <0.0023     | <0.0024     | <0.0024     | <0.0023     | <0.0013     | <0.0024       | <0.002        | <0.0024         | <0.001      |             |
| 1,2,3-Trichloropropane                                                       | 100   | NS    | NS  | <0.0022          | <0.0021     | <0.0018     | <0.0021     | <0.0023     | <0.0024     | <0.0024     | <0.0023     | <0.0013     | <0.0024       | <0.002        | <0.0024         | <0.001      |             |
| Styrene                                                                      | 3     | 3     | 80  | <0.0011          | <0.001      | <0.00092    | <0.0011     | <0.0012     | <0.0012     | <0.0012     | <0.0012     | <0.00065    | <0.0012       | <0.001        | <0.0012         | <0.00053    |             |
| Dichlorodifluoromethane                                                      | 1000  | NS    | NS  | <0.011           | <0.01       | <0.0092     | <0.011      | <0.012      | <0.012      | <0.012      | <0.012      | <0.0085     | <0.012        | <0.01         | <0.012          | <0.0053     |             |
| Acetone                                                                      | 6     | 6     | 400 | <0.027           | <0.026      | <0.023      | <0.027      | <0.029      | <0.03       | <0.03       | <0.029      | <0.016      | <0.03         | <0.026        | <0.031          | <0.013      |             |
| Carbon disulfide                                                             | 100   | NS    | NS  | <0.011           | <0.01       | <0.0092     | <0.011      | <0.012      | <0.012      | <0.012      | <0.012      | <0.0065     | <0.012        | <0.01         | <0.012          | <0.0053     |             |
| Methyl ethyl ketone                                                          | 4     | 4     | 400 | <0.011           | <0.01       | <0.0092     | <0.011      | <0.012      | <0.012      | <0.012      | <0.012      | <0.0065     | <0.012        | <0.01         | <0.012          | <0.0053     |             |
| Methyl isobutyl ketone                                                       | 0.4   | 0.4   | 400 | <0.011           | <0.01       | <0.0092     | <0.011      | <0.012      | <0.012      | <0.012      | <0.012      | <0.0065     | <0.012        | <0.01         | <0.012          | <0.0053     |             |
| 2-Hexanone                                                                   | 100   | NS    | NS  | <0.011           | <0.01       | <0.0092     | <0.011      | <0.012      | <0.012      | <0.012      | <0.012      | <0.0065     | <0.012        | <0.01         | <0.012          | <0.0053     |             |
| Bromochloromethane                                                           | NS    | NS    | NS  | <0.0022          | <0.0021     | <0.0018     | <0.0021     | <0.0023     | <0.0024     | <0.0024     | <0.0023     | <0.0013     | <0.0024       | <0.002        | <0.0024         | <0.001      |             |

**Table 3 - Soil Boring Analytical Results**  
 Truro Department of Public Works  
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|                                                                              |       |       |     | SAMPLE ID:<br>TOV PID | SB-1 (2-4)  | SB-2 (4-6)  | SB-4 (2-4)  | SB-6 (2-4)  | SB-7 (2-4)  | SB-8 (6-10) | SB-9 (6-8)  | SB-10 (4-6) | SB-11 (10-12) | SB-12 (16-18) | SB-12 (108-110) | SB-14 (4-6) | SB-18 (4-6) |
|------------------------------------------------------------------------------|-------|-------|-----|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|---------------|-----------------|-------------|-------------|
|                                                                              |       |       |     | LAB ID:               | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        | <0.1          | <0.1          | <0.1            | <0.1        | 513         |
|                                                                              |       |       |     | COLLECTION DATE:      | L2441230-01 | L2441230-02 | L2444094-01 | L2441230-03 | L2441230-04 | L2441230-05 | L2441230-06 | L2441230-07 | L2441230-08   | L2441230-09   | L2442969-01     | L2441230-10 | L2444094-02 |
|                                                                              |       |       |     | SAMPLE MATRIX:        | 7/19/2024   | 7/19/2024   | 8/6/2024    | 7/19/2024   | 7/19/2024   | 7/19/2024   | 7/19/2024   | 7/19/2024   | 7/19/2024     | 7/19/2024     | 7/19/2024       | 7/19/2024   | 8/6/2024    |
|                                                                              |       |       |     |                       | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL          | SOIL          | SOIL            | SOIL        | SOIL        |
| 2024 Applicable MCP Reportable Concentrations and Method 1 Standards (mg/kg) |       |       |     | RCS-1                 | S-1/GW-1    | S-1/GW-3    |             |             |             |             |             |             |               |               |                 |             |             |
| Tetrahydrofuran                                                              | 500   | NS    | NS  |                       | <0.0043     | <0.0042     | <0.0037     | <0.0043     | <0.0047     | <0.0047     | <0.0048     | <0.0047     | <0.0026       | <0.0048       | <0.0041         | <0.0049     | <0.0021     |
| 2,2-Dichloropropane                                                          | NS    | NS    | NS  |                       | <0.0022     | <0.0021     | <0.0018     | <0.0021     | <0.0023     | <0.0024     | <0.0024     | <0.0023     | <0.0013       | <0.0024       | <0.002          | <0.0024     | <0.001      |
| 1,2-Dibromethane                                                             | 0.1   | 0.1   | 1   |                       | <0.0011     | <0.001      | <0.00092    | <0.0011     | <0.0012     | <0.0012     | <0.0012     | <0.0012     | <0.00065      | <0.0012       | <0.001          | <0.0012     | <0.00053    |
| 1,3-Dichloropropane                                                          | 500   | NS    | NS  |                       | <0.0022     | <0.0021     | <0.0018     | <0.0021     | <0.0023     | <0.0024     | <0.0024     | <0.0023     | <0.0013       | <0.0024       | <0.002          | <0.0024     | <0.001      |
| 1,1,1,2-Tetrachloroethane                                                    | 0.1   | 0.1   | 90  |                       | <0.00054    | <0.00053    | <0.00046    | <0.00054    | <0.00058    | <0.00059    | <0.0006     | <0.00058    | <0.00032      | <0.0006       | <0.00051        | <0.00061    | <0.00026    |
| Bromobenzene                                                                 | 100   | NS    | NS  |                       | <0.0022     | <0.0021     | <0.0018     | <0.0021     | <0.0023     | <0.0024     | <0.0024     | <0.0023     | <0.0013       | <0.0024       | <0.002          | <0.0024     | <0.001      |
| n-Butylbenzene                                                               | NS    | NS    | NS  |                       | <0.0011     | <0.001      | <0.00092    | <0.0011     | <0.0012     | <0.0012     | <0.0012     | <0.0012     | <0.00065      | <0.0012       | <0.001          | <0.0012     | <0.00053    |
| sec-Butylbenzene                                                             | NS    | NS    | NS  |                       | <0.0011     | <0.001      | <0.00092    | <0.0011     | <0.0012     | <0.0012     | <0.0012     | <0.0012     | <0.00065      | <0.0012       | <0.001          | <0.0012     | <0.00053    |
| tert-Butylbenzene                                                            | 100   | NS    | NS  |                       | <0.0022     | <0.0021     | <0.0018     | <0.0021     | <0.0023     | <0.0024     | <0.0024     | <0.0023     | <0.0013       | <0.0024       | <0.002          | <0.0024     | <0.001      |
| o-Chlorotoluene                                                              | 100   | NS    | NS  |                       | <0.0022     | <0.0021     | <0.0018     | <0.0021     | <0.0023     | <0.0024     | <0.0024     | <0.0023     | <0.0013       | <0.0024       | <0.002          | <0.0024     | <0.001      |
| p-Chlorotoluene                                                              | NS    | NS    | NS  |                       | <0.0022     | <0.0021     | <0.0018     | <0.0021     | <0.0023     | <0.0024     | <0.0024     | <0.0023     | <0.0013       | <0.0024       | <0.002          | <0.0024     | <0.001      |
| 1,2-Dibromo-3-chloropropane                                                  | 10    | NS    | NS  |                       | <0.0032     | <0.0032     | <0.0028     | <0.0032     | <0.0035     | <0.0036     | <0.0036     | <0.0035     | <0.002        | <0.0036       | <0.0031         | <0.0037     | <0.0016     |
| Hexachlorobutadiene                                                          | 30    | 30    | 30  |                       | <0.0043     | <0.0042     | <0.0037     | <0.0043     | <0.0047     | <0.0047     | <0.0048     | <0.0047     | <0.0026       | <0.0048       | <0.0041         | <0.0049     | <0.0021     |
| Isopropylbenzene                                                             | 1,000 | NS    | NS  |                       | <0.0011     | <0.001      | <0.00092    | <0.0011     | <0.0012     | <0.0012     | <0.0012     | <0.0012     | <0.00065      | <0.0012       | <0.001          | <0.0012     | <0.00053    |
| p-Isopropyltoluene                                                           | 100   | NS    | NS  |                       | <0.0011     | <0.001      | <0.00092    | <0.0011     | <0.0012     | <0.0012     | <0.0012     | <0.0012     | <0.00065      | <0.0012       | <0.001          | <0.0012     | <0.00053    |
| Naphthalene                                                                  | 4     | 4     | 500 |                       | <0.0043     | <0.0042     | <0.0037     | <0.0043     | <0.0047     | <0.0047     | <0.0048     | <0.0047     | <0.0026       | <0.0048       | <0.0041         | <0.0049     | 0.0032      |
| n-Propylbenzene                                                              | 100   | NS    | NS  |                       | <0.0011     | <0.001      | <0.00092    | <0.0011     | <0.0012     | <0.0012     | <0.0012     | <0.0012     | <0.00065      | <0.0012       | <0.001          | <0.0012     | <0.00053    |
| 1,2,3-Trichlorobenzene                                                       | NS    | NS    | NS  |                       | <0.0022     | <0.0021     | <0.0018     | <0.0021     | <0.0023     | <0.0024     | <0.0024     | <0.0023     | <0.0013       | <0.0024       | <0.002          | <0.0024     | <0.001      |
| 1,2,4-Trichlorobenzene                                                       | 2     | 2     | 700 |                       | <0.0022     | <0.0021     | <0.0018     | <0.0021     | <0.0023     | <0.0024     | <0.0024     | <0.0023     | <0.0013       | <0.0024       | <0.002          | <0.0024     | <0.001      |
| 1,3,5-Trimethylbenzene                                                       | 10    | NS    | NS  |                       | <0.0022     | <0.0021     | <0.0018     | <0.0021     | <0.0023     | <0.0024     | <0.0024     | <0.0023     | <0.0013       | <0.0024       | <0.002          | <0.0024     | <0.001      |
| 1,2,4-Trimethylbenzene                                                       | 1,000 | NS    | NS  |                       | <0.0022     | <0.0021     | <0.0018     | <0.0021     | <0.0023     | <0.0024     | <0.0024     | <0.0023     | <0.0013       | <0.0024       | <0.002          | <0.0024     | <0.001      |
| Diethyl ether                                                                | 100   | NS    | NS  |                       | <0.0022     | <0.0021     | <0.0018     | <0.0021     | <0.0023     | <0.0024     | <0.0024     | <0.0023     | <0.0013       | <0.0024       | <0.002          | <0.0024     | <0.001      |
| Diisopropyl Ether                                                            | 100   | NS    | NS  |                       | <0.0022     | <0.0021     | <0.0018     | <0.0021     | <0.0023     | <0.0024     | <0.0024     | <0.0023     | <0.0013       | <0.0024       | <0.002          | <0.0024     | <0.001      |
| Ethyl-Tert-Butyl-Ether                                                       | NS    | NS    | NS  |                       | <0.0022     | <0.0021     | <0.0018     | <0.0021     | <0.0023     | <0.0024     | <0.0024     | <0.0023     | <0.0013       | <0.0024       | <0.002          | <0.0024     | <0.001      |
| Tertiary-Amyl Methyl Ether                                                   | NS    | NS    | NS  |                       | <0.0022     | <0.0021     | <0.0018     | <0.0021     | <0.0023     | <0.0024     | <0.0024     | <0.0023     | <0.0013       | <0.0024       | <0.002          | <0.0024     | <0.001      |
| 1,4-Dioxane                                                                  | 0.2   | 0.2   | 20  |                       | <0.086      | <0.084      | <0.074      | <0.086      | <0.094      | <0.095      | <0.097      | <0.094      | <0.052        | <0.096        | <0.082          | <0.098      | <0.042      |
| SUM                                                                          | NS    | NS    | NS  |                       | ND          | ND          | ND          | ND          | ND          | ND          | ND          | ND          | ND            | ND            | ND              | ND          | 0.00351     |
| MCP VOLATILE ORGANICS BY EPA 5035 HIGH                                       |       |       |     |                       |             |             |             |             |             |             |             |             |               |               |                 |             |             |
| Methylene chloride                                                           | 0.1   | 0.1   | 300 |                       | NA          | NA          | <0.3        | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| 1,1-Dichloroethane                                                           | 0.4   | 0.4   | 500 |                       | NA          | NA          | <0.06       | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| Chloroform                                                                   | 0.2   | 0.4   | 500 |                       | NA          | NA          | <0.09       | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| Carbon tetrachloride                                                         | 5     | 10    | 30  |                       | NA          | NA          | <0.06       | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| 1,2-Dichloropropane                                                          | 0.1   | 0.1   | 60  |                       | NA          | NA          | <0.06       | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| Dibromochloromethane                                                         | 0.005 | 0.005 | 30  |                       | NA          | NA          | <0.06       | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| 1,1,2-Trichloroethane                                                        | 0.1   | 0.1   | 40  |                       | NA          | NA          | <0.06       | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| Tetrachloroethene                                                            | 1     | 1     | 100 |                       | NA          | NA          | <0.03       | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| Chlorobenzene                                                                | 1     | 1     | 100 |                       | NA          | NA          | <0.03       | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| Trichlorofluoromethane                                                       | 1,000 | NS    | NS  |                       | NA          | NA          | <0.24       | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| 1,2-Dichloroethane                                                           | 0.1   | 0.1   | 30  |                       | NA          | NA          | <0.06       | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| 1,1,1-Trichloroethane                                                        | 30    | 30    | 500 |                       | NA          | NA          | <0.03       | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| Bromodichloromethane                                                         | 0.1   | 0.1   | 40  |                       | NA          | NA          | <0.03       | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| trans-1,3-Dichloropropene                                                    | 0.01  | 0.01  | 20  |                       | NA          | NA          | <0.06       | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| cis-1,3-Dichloropropene                                                      | 0.01  | 0.01  | 20  |                       | NA          | NA          | <0.03       | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| 1,3-Dichloropropene, Total                                                   | 0.01  | 0.01  | 20  |                       | NA          | NA          | <0.03       | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| 1,1-Dichloropropene                                                          | NS    | NS    | NS  |                       | NA          | NA          | <0.03       | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| Bromoform                                                                    | 0.1   | 0.1   | 300 |                       | NA          | NA          | <0.24       | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| 1,1,2,2-Tetrachloroethane                                                    | 0.005 | 0.005 | 10  |                       | NA          | NA          | <0.03       | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| Benzene                                                                      | 2     | 2     | 40  |                       | NA          | NA          | <0.03       | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| Toluene                                                                      | 30    | 30    | 500 |                       | NA          | NA          | <0.06       | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| Ethylbenzene                                                                 | 40    | 40    | 500 |                       | NA          | NA          | <0.06       | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| Chloromethane                                                                | 100   | NS    | NS  |                       | NA          | NA          | <0.24       | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| Bromomethane                                                                 | 0.5   | 0.5   | 30  |                       | NA          | NA          | <0.12       | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |

**Table 3 - Soil Boring Analytical Results**  
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|                                                                              |       |          |          | SAMPLE ID:       | SB-1 (2-4)  | SB-2 (4-6)  | SB-4 (2-4)  | SB-6 (2-4)  | SB-7 (2-4)  | SB-8 (8-10) | SB-9 (6-8)  | SB-10 (4-6) | SB-11 (10-12) | SB-12 (16-18) | SB-12 (108-110) | SB-14 (4-6) | SB-18 (4-6) |
|------------------------------------------------------------------------------|-------|----------|----------|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|---------------|-----------------|-------------|-------------|
|                                                                              |       |          |          | TOV PID          | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        | <0.1          | <0.1          | <0.1            | <0.1        | 51.3        |
|                                                                              |       |          |          | LAB ID:          | L2441230-01 | L2441230-02 | L2444094-01 | L2441230-03 | L2441230-04 | L2441230-05 | L2441230-06 | L2441230-07 | L2441230-08   | L2441230-09   | L2441230-10     | L2444094-02 |             |
|                                                                              |       |          |          | COLLECTION DATE: | 7/19/2024   | 7/19/2024   | 8/6/2024    | 7/19/2024   | 7/19/2024   | 7/19/2024   | 7/19/2024   | 7/19/2024   | 7/19/2024     | 7/19/2024     | 7/19/2024       | 7/19/2024   | 8/6/2024    |
|                                                                              |       |          |          | SAMPLE MATRIX:   | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL          | SOIL          | SOIL            | SOIL        | SOIL        |
| 2024 Applicable MCP Reportable Concentrations and Method 1 Standards (mg/kg) | RCS-1 | S-1/GW-1 | S-1/GW-3 |                  |             |             |             |             |             |             |             |             |               |               |                 |             |             |
| Vinyl chloride                                                               | 0.3   | 0.3      | 0.3      | NA               | NA          | <0.06       | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| Chloroethane                                                                 | 100   | NS       | NS       | NA               | NA          | <0.12       | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| 1,1-Dichloroethene                                                           | 3     | 3        | 500      | NA               | NA          | <0.06       | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| Trans-1,2-Dichloroethene                                                     | 1     | 1        | 500      | NA               | NA          | <0.09       | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| Trichloroethene                                                              | 0.3   | 0.3      | 30       | NA               | NA          | <0.03       | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| 1,2-Dichlorobenzene                                                          | 9     | 9        | 300      | NA               | NA          | <0.12       | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| 1,3-Dichlorobenzene                                                          | 3     | 3        | 100      | NA               | NA          | <0.12       | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| 1,4-Dichlorobenzene                                                          | 0.7   | 0.7      | 100      | NA               | NA          | <0.12       | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| Methyl tert butyl ether                                                      | 0.1   | 0.1      | 100      | NA               | NA          | <0.12       | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| p/m-Xylene                                                                   | 100   | 400      | 500      | NA               | NA          | <0.12       | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| o-Xylene                                                                     | 100   | 400      | 500      | NA               | NA          | <0.06       | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| Xylenes, Total                                                               | 100   | 400      | 500      | NA               | NA          | <0.06       | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| cis-1,2-Dichloroethene                                                       | 0.1   | 0.3      | 100      | NA               | NA          | <0.06       | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| 1,2-Dichloroethene, Total                                                    | 0.3   | NS       | NS       | NA               | NA          | <0.06       | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| Dibromomethane                                                               | 500   | NS       | NS       | NA               | NA          | <0.12       | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| 1,2,3-Trichloropropane                                                       | 100   | NS       | NS       | NA               | NA          | <0.12       | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| Styrene                                                                      | 3     | 3        | 80       | NA               | NA          | <0.06       | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| Dichlorodifluoromethane                                                      | 1,000 | NS       | NS       | NA               | NA          | <0.6        | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| Acetone                                                                      | 6     | 6        | 400      | NA               | NA          | <0.6        | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| Carbon disulfide                                                             | 100   | NS       | NS       | NA               | NA          | <0.6        | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| Methyl ethyl ketone                                                          | 4     | 4        | 400      | NA               | NA          | 0.14        | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| Methyl isobutyl ketone                                                       | 0.4   | 0.4      | 400      | NA               | NA          | <0.6        | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| 2-Hexanone                                                                   | 100   | NS       | NS       | NA               | NA          | <0.6        | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| Bromochloromethane                                                           | NS    | NS       | NS       | NA               | NA          | <0.12       | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| Tetrahydrofuran                                                              | 500   | NS       | NS       | NA               | NA          | <0.24       | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| 2,2-Dichloropropane                                                          | NS    | NS       | NS       | NA               | NA          | <0.12       | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| 1,2-Dibromoethane                                                            | 0.1   | 0.1      | 1        | NA               | NA          | <0.06       | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| 1,3-Dichloropropane                                                          | 500   | NS       | NS       | NA               | NA          | <0.12       | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| 1,1,1,2-Tetrachloroethane                                                    | 0.1   | 0.1      | 90       | NA               | NA          | <0.03       | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| Bromobenzene                                                                 | 100   | NS       | NS       | NA               | NA          | <0.12       | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| n-Butylbenzene                                                               | NS    | NS       | NS       | NA               | NA          | <0.06       | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| sec-Butylbenzene                                                             | NS    | NS       | NS       | NA               | NA          | <0.06       | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| tert-Butylbenzene                                                            | 100   | NS       | NS       | NA               | NA          | <0.12       | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| o-Chlorotoluene                                                              | 100   | NS       | NS       | NA               | NA          | <0.12       | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| p-Chlorotoluene                                                              | NS    | NS       | NS       | NA               | NA          | <0.12       | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| 1,2-Dibromo-3-chloropropane                                                  | 10    | NS       | NS       | NA               | NA          | <0.18       | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| Hexachlorobutadiene                                                          | 30    | 30       | 30       | NA               | NA          | <0.24       | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| Isopropylbenzene                                                             | 1,000 | NS       | NS       | NA               | NA          | <0.06       | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| p-Isopropyltoluene                                                           | 100   | NS       | NS       | NA               | NA          | <0.06       | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| Naphthalene                                                                  | 4     | 4        | 500      | NA               | NA          | <0.24       | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| n-Propylbenzene                                                              | 100   | NS       | NS       | NA               | NA          | <0.06       | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| 1,2,3-Trichlorobenzene                                                       | NS    | NS       | NS       | NA               | NA          | <0.12       | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| 1,2,4-Trichlorobenzene                                                       | 2     | 2        | 700      | NA               | NA          | <0.12       | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| 1,3,5-Trimethylbenzene                                                       | 10    | NS       | NS       | NA               | NA          | <0.12       | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| 1,2,4-Trimethylbenzene                                                       | 1,000 | NS       | NS       | NA               | NA          | <0.12       | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| Diethyl ether                                                                | 100   | NS       | NS       | NA               | NA          | <0.12       | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| Diisopropyl Ether                                                            | 100   | NS       | NS       | NA               | NA          | <0.12       | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| Ethyl-Tert-Butyl-Ether                                                       | NS    | NS       | NS       | NA               | NA          | <0.12       | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| Tertiary-Amyl Methyl Ether                                                   | NS    | NS       | NS       | NA               | NA          | <0.12       | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| 1,4-Dioxane                                                                  | 0.2   | 0.2      | 20       | NA               | NA          | <4.8        | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |
| SUM                                                                          | NS    | NS       | NS       | NA               | NA          | 0.14        | NA          | NA          | NA          | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |



**Table 3 - Soil Boring Analytical Results**  
 Truro Department of Public Works  
 17 Town Hall Road, Truro, MA

|                                                                              |       |       |       | SAMPLE ID:<br>TOV PID | SB-1 (2-4)  | SB-2 (4-6)  | SB-4 (2-4)  | SB-6 (2-4)  | SB-7 (2-4)  | SB-8 (6-10) | SB-9 (6-8)  | SB-10 (4-6) | SB-11 (10-12) | SB-12 (16-18) | SB-12 (108-110) | SB-14 (4-6) | SB-18 (4-6) |  |  |  |  |
|------------------------------------------------------------------------------|-------|-------|-------|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|---------------|-----------------|-------------|-------------|--|--|--|--|
|                                                                              |       |       |       | LAB ID:               | L2441230-01 | L2441230-02 | L2444094-01 | L2441230-03 | L2441230-04 | L2441230-05 | L2441230-06 | L2441230-07 | L2441230-08   | L2441230-09   | L2442969-01     | L2441230-10 | L2444094-02 |  |  |  |  |
|                                                                              |       |       |       | COLLECTION DATE:      | 7/19/2024   | 7/19/2024   | 8/6/2024    | 7/19/2024   | 7/19/2024   | 7/19/2024   | 7/19/2024   | 7/19/2024   | 7/19/2024     | 7/19/2024     | 7/19/2024       | 7/19/2024   | 8/6/2024    |  |  |  |  |
|                                                                              |       |       |       | SAMPLE MATRIX:        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL          | SOIL          | SOIL            | SOIL        | SOIL        |  |  |  |  |
| 2024 Applicable MCP Reportable Concentrations and Method 1 Standards (mg/kg) |       |       |       |                       | RCS-1       | S-1/GW-1    | S-1/GW-3    |             |             |             |             |             |               |               |                 |             |             |  |  |  |  |
| MCP SEMIVOLATILE ORGANICS                                                    |       |       |       |                       |             |             |             |             |             |             |             |             |               |               |                 |             |             |  |  |  |  |
| Acenaphthene                                                                 | 4     | 4     | 1,000 | <0.13                 | <0.14       | <0.13       | NA          | NA          | <0.13       | <0.13       | <0.13       | <0.13       | <0.13         | <0.14         | <0.14           | <0.14       | <0.13       |  |  |  |  |
| 1,2,4-Trichlorobenzene                                                       | 2     | 2     | 700   | <0.17                 | <0.17       | <0.16       | NA          | NA          | <0.17       | <0.17       | <0.16       | <0.16       | <0.17         | <0.17         | <0.17           | <0.17       | <0.16       |  |  |  |  |
| Hexachlorobenzene                                                            | 0.7   | 0.7   | 0.7   | <0.07                 | <0.071      | <0.069      | NA          | NA          | <0.071      | <0.07       | <0.069      | <0.069      | <0.071        | <0.071        | <0.071          | <0.071      | <0.07       |  |  |  |  |
| Bis(2-chloroethyl)ether                                                      | 0.7   | 0.7   | 2     | <0.07                 | <0.071      | <0.069      | NA          | NA          | <0.071      | <0.07       | <0.069      | <0.069      | <0.071        | <0.071        | <0.071          | <0.071      | <0.07       |  |  |  |  |
| 2-Chloronaphthalene                                                          | 1,000 | NS    | NS    | <0.17                 | <0.17       | <0.16       | NA          | NA          | <0.17       | <0.17       | <0.16       | <0.16       | <0.17         | <0.17         | <0.17           | <0.17       | <0.16       |  |  |  |  |
| 1,2-Dichlorobenzene                                                          | 9     | 9     | 300   | <0.17                 | <0.17       | <0.16       | NA          | NA          | <0.17       | <0.17       | <0.16       | <0.16       | <0.17         | <0.17         | <0.17           | <0.17       | <0.16       |  |  |  |  |
| 1,3-Dichlorobenzene                                                          | 3     | 3     | 100   | <0.17                 | <0.17       | <0.16       | NA          | NA          | <0.17       | <0.17       | <0.16       | <0.16       | <0.17         | <0.17         | <0.17           | <0.17       | <0.16       |  |  |  |  |
| 1,4-Dichlorobenzene                                                          | 0.7   | 0.7   | 100   | <0.07                 | <0.071      | <0.069      | NA          | NA          | <0.071      | <0.07       | <0.069      | <0.069      | <0.071        | <0.071        | <0.071          | <0.071      | <0.07       |  |  |  |  |
| 3,3'-Dichlorobenzidine                                                       | 3     | 3     | 3     | <0.17                 | <0.17       | <0.16       | NA          | NA          | <0.17       | <0.17       | <0.16       | <0.16       | <0.17         | <0.17         | <0.17           | <0.17       | <0.16       |  |  |  |  |
| 2,4-Dinitrotoluene                                                           | 0.7   | 0.7   | 2     | <0.07                 | <0.071      | <0.069      | NA          | NA          | <0.071      | <0.07       | <0.069      | <0.069      | <0.071        | <0.071        | <0.071          | <0.071      | <0.07       |  |  |  |  |
| 2,6-Dinitrotoluene                                                           | 100   | NS    | NS    | <0.17                 | <0.17       | <0.16       | NA          | NA          | <0.17       | <0.17       | <0.16       | <0.16       | <0.17         | <0.17         | <0.17           | <0.17       | <0.16       |  |  |  |  |
| Azobenzene                                                                   | 50    | NS    | NS    | <0.17                 | <0.17       | <0.16       | NA          | NA          | <0.17       | <0.17       | <0.16       | <0.16       | <0.17         | <0.17         | <0.17           | <0.17       | <0.16       |  |  |  |  |
| Fluoranthene                                                                 | 1,000 | 1,000 | 1,000 | <0.1                  | <0.1        | <0.099      | NA          | NA          | 0.35        | 0.16        | 0.86        | 0.97        | 0.63          | 0.63          | 0.63            | 0.12        | <0.1        |  |  |  |  |
| 4-Bromophenyl phenyl ether                                                   | 100   | NS    | NS    | <0.17                 | <0.17       | <0.16       | NA          | NA          | <0.17       | <0.17       | <0.16       | <0.16       | <0.17         | <0.17         | <0.17           | <0.17       | <0.16       |  |  |  |  |
| Bis(2-chloroisopropyl)ether                                                  | 0.7   | 0.7   | 30    | <0.07                 | <0.071      | <0.069      | NA          | NA          | <0.071      | <0.07       | <0.069      | <0.069      | <0.071        | <0.071        | <0.071          | <0.071      | <0.07       |  |  |  |  |
| Bis(2-chloroethoxy)methane                                                   | 500   | NS    | NS    | <0.18                 | <0.18       | <0.18       | NA          | NA          | <0.18       | <0.18       | <0.18       | <0.18       | <0.18         | <0.18         | <0.18           | <0.18       | <0.18       |  |  |  |  |
| Hexachlorobutadiene                                                          | 30    | 30    | 30    | <0.17                 | <0.17       | <0.16       | NA          | NA          | <0.17       | <0.17       | <0.16       | <0.16       | <0.17         | <0.17         | <0.17           | <0.17       | <0.16       |  |  |  |  |
| Hexachloroethane                                                             | 0.7   | 0.7   | 50    | <0.07                 | <0.071      | <0.069      | NA          | NA          | <0.071      | <0.07       | <0.069      | <0.069      | <0.071        | <0.071        | <0.071          | <0.071      | <0.07       |  |  |  |  |
| Isophorone                                                                   | 100   | NS    | NS    | <0.15                 | <0.15       | <0.15       | NA          | NA          | <0.15       | <0.15       | <0.15       | <0.15       | <0.15         | <0.15         | <0.15           | <0.15       | <0.15       |  |  |  |  |
| Naphthalene                                                                  | 4     | 4     | 500   | <0.17                 | <0.17       | <0.16       | NA          | NA          | <0.17       | <0.17       | <0.16       | <0.16       | <0.17         | <0.17         | <0.17           | <0.17       | <0.16       |  |  |  |  |
| Nitrobenzene                                                                 | 500   | NS    | NS    | <0.15                 | <0.15       | <0.15       | NA          | NA          | <0.15       | <0.15       | <0.15       | <0.15       | <0.15         | <0.15         | <0.15           | <0.15       | <0.15       |  |  |  |  |
| Bis(2-ethylhexyl)phthalate                                                   | 100   | 100   | 100   | <0.17                 | <0.17       | <0.16       | NA          | NA          | <0.17       | <0.17       | <0.16       | <0.16       | <0.17         | <0.17         | <0.17           | <0.17       | <0.16       |  |  |  |  |
| Butyl benzyl phthalate                                                       | 100   | NS    | NS    | <0.17                 | <0.17       | <0.16       | NA          | NA          | <0.17       | <0.17       | <0.16       | <0.16       | <0.17         | <0.17         | <0.17           | <0.17       | <0.16       |  |  |  |  |
| Di-n-butylphthalate                                                          | 50    | NS    | NS    | <0.17                 | <0.17       | <0.16       | NA          | NA          | <0.17       | <0.17       | <0.16       | <0.16       | <0.17         | <0.17         | <0.17           | <0.17       | <0.16       |  |  |  |  |
| Di-n-octylphthalate                                                          | 1,000 | NS    | NS    | <0.17                 | <0.17       | <0.16       | NA          | NA          | <0.17       | <0.17       | <0.16       | <0.16       | <0.17         | <0.17         | <0.17           | <0.17       | <0.16       |  |  |  |  |
| Diethyl phthalate                                                            | 10    | 10    | 300   | <0.17                 | <0.17       | <0.16       | NA          | NA          | <0.17       | <0.17       | <0.16       | <0.16       | <0.17         | <0.17         | <0.17           | <0.17       | <0.16       |  |  |  |  |
| Dimethyl phthalate                                                           | 0.7   | 0.7   | 600   | <0.07                 | <0.071      | <0.069      | NA          | NA          | <0.071      | <0.07       | <0.069      | <0.069      | <0.071        | <0.071        | <0.071          | <0.071      | <0.07       |  |  |  |  |
| Benzo(a)anthracene                                                           | 20    | 20    | 20    | <0.1                  | <0.1        | <0.099      | NA          | NA          | 0.12        | 0.1         | 0.3         | 0.39        | 0.22          | 0.22          | 0.22            | <0.1        | <0.1        |  |  |  |  |
| Benzo(a)pyrene                                                               | 2     | 2     | 2     | <0.13                 | <0.14       | <0.13       | NA          | NA          | 0.16        | <0.13       | 0.38        | 0.46        | 0.27          | 0.27          | 0.27            | <0.14       | <0.14       |  |  |  |  |
| Benzo(b)fluoranthene                                                         | 20    | 20    | 20    | <0.1                  | <0.1        | <0.099      | NA          | NA          | 0.23        | 0.1         | 0.51        | 0.65        | 0.37          | 0.37          | 0.37            | <0.1        | <0.1        |  |  |  |  |
| Benzo(k)fluoranthene                                                         | 200   | 200   | 200   | <0.1                  | <0.1        | <0.099      | NA          | NA          | <0.1        | <0.1        | 0.16        | 0.21        | 0.11          | 0.11          | 0.11            | <0.1        | <0.1        |  |  |  |  |
| Chrysene                                                                     | 200   | 200   | 200   | <0.1                  | <0.1        | <0.099      | NA          | NA          | 0.16        | <0.1        | 0.36        | 0.48        | 0.3           | 0.3           | 0.3             | <0.1        | <0.1        |  |  |  |  |
| Acenaphthylene                                                               | 2     | 2     | 10    | <0.13                 | <0.14       | <0.13       | NA          | NA          | <0.13       | <0.13       | <0.13       | <0.13       | <0.14         | <0.14         | <0.14           | <0.14       | <0.13       |  |  |  |  |
| Anthracene                                                                   | 1,000 | 1,000 | 1,000 | <0.1                  | <0.1        | <0.099      | NA          | NA          | <0.1        | <0.1        | <0.099      | <0.1        | <0.1          | <0.1          | <0.1            | <0.1        | <0.1        |  |  |  |  |
| Benzo(ghi)perylene                                                           | 1,000 | 1,000 | 1,000 | <0.13                 | <0.14       | <0.13       | NA          | NA          | 0.13        | <0.13       | 0.34        | 0.38        | 0.23          | 0.23          | 0.23            | <0.14       | <0.14       |  |  |  |  |
| Fluorene                                                                     | 1,000 | 1,000 | 1,000 | <0.17                 | <0.17       | <0.16       | NA          | NA          | <0.17       | <0.17       | <0.16       | <0.16       | <0.17         | <0.17         | <0.17           | <0.17       | <0.16       |  |  |  |  |
| Phenanthrene                                                                 | 10    | 10    | 500   | <0.1                  | <0.1        | <0.099      | NA          | NA          | 0.21        | <0.1        | 0.51        | 0.51        | 0.35          | 0.35          | 0.35            | <0.1        | <0.1        |  |  |  |  |
| Dibenzo(a,h)anthracene                                                       | 2     | 2     | 2     | <0.07                 | <0.071      | <0.069      | NA          | NA          | <0.071      | <0.07       | <0.069      | <0.069      | 0.077         | <0.071        | <0.071          | <0.071      | <0.07       |  |  |  |  |
| Indeno(1,2,3-cd)pyrene                                                       | 20    | 20    | 20    | <0.13                 | <0.14       | <0.13       | NA          | NA          | <0.13       | <0.13       | 0.31        | 0.34        | 0.2           | 0.2           | 0.2             | <0.14       | <0.13       |  |  |  |  |
| Pyrene                                                                       | 1,000 | 1,000 | 1,000 | <0.1                  | <0.1        | <0.099      | NA          | NA          | 0.28        | 0.14        | 0.75        | 0.85        | 0.55          | 0.55          | 0.55            | <0.1        | <0.1        |  |  |  |  |
| Aniline                                                                      | 1,000 | NS    | NS    | <0.2                  | <0.2        | <0.2        | NA          | NA          | <0.2        | <0.2        | <0.2        | <0.2        | <0.2          | <0.2          | <0.2            | <0.2        | <0.2        |  |  |  |  |
| 4-Chloroaniline                                                              | 1     | 1     | 3     | <0.17                 | <0.17       | <0.16       | NA          | NA          | <0.17       | <0.17       | <0.16       | <0.16       | <0.17         | <0.17         | <0.17           | <0.17       | <0.16       |  |  |  |  |
| Dibenzofuran                                                                 | 100   | NS    | NS    | <0.17                 | <0.17       | <0.16       | NA          | NA          | <0.17       | <0.17       | <0.16       | <0.16       | <0.17         | <0.17         | <0.17           | <0.17       | <0.16       |  |  |  |  |
| 2-Methylnaphthalene                                                          | 0.7   | 0.7   | 300   | <0.07                 | <0.071      | <0.069      | NA          | NA          | <0.071      | <0.07       | <0.069      | <0.069      | <0.071        | <0.071        | <0.071          | <0.071      | <0.07       |  |  |  |  |
| Acetophenone                                                                 | 1,000 | NS    | NS    | <0.17                 | <0.17       | <0.16       | NA          | NA          | <0.17       | <0.17       | <0.16       | <0.16       | <0.17         | <0.17         | <0.17           | <0.17       | <0.16       |  |  |  |  |
| 2,4,6-Trichlorophenol                                                        | 0.7   | 0.7   | 20    | <0.07                 | <0.071      | <0.069      | NA          | NA          | <0.071      | <0.07       | <0.069      | <0.069      | <0.071        | <0.071        | <0.071          | <0.071      | <0.07       |  |  |  |  |
| 2-Chlorophenol                                                               | 0.7   | 0.7   | 100   | <0.07                 | <0.071      | <0.069      | NA          | NA          | <0.071      | <0.07       | <0.069      | <0.069      | <0.071        | <0.071        | <0.071          | <0.071      | <0.07       |  |  |  |  |
| 2,4-Dichlorophenol                                                           | 0.7   | 0.7   | 40    | <0.07                 | <0.071      | <0.069      | NA          | NA          | <0.071      | <0.07       | <0.069      | <0.069      | <0.071        | <0.071        | <0.071          | <0.071      | <0.07       |  |  |  |  |
| 2,4-Dimethylphenol                                                           | 0.7   | 0.7   | 500   | <0.07                 | <0.071      | <0.069      | NA          | NA          | <0.071      | <0.07       | <0.069      | <0.069      | <0.071        | <0.071        | <0.071          | <0.071      | <0.07       |  |  |  |  |
| 2-Nitrophenol                                                                | 100   | NS    | NS    | <0.36                 | <0.37       | <0.36       | NA          | NA          | <0.36       | <0.36       | <0.36       | <0.36       | <0.36         | <0.36         | <0.36           | <0.36       | <0.36       |  |  |  |  |
| 4-Nitrophenol                                                                | 100   | NS    | NS    | <0.23                 | <0.24       | <0.23       | NA          | NA          | <0.24       | <0.23       | <0.23       | <0.23       | <0.24         | <0.24         | <0.24           | <0.24       | <0.23       |  |  |  |  |
| 2,4-Dinitrophenol                                                            | 3     | 3     | 50    | <0.8                  | <0.82       | <0.79       | NA          | NA          | <0.81       | <0.8        | <0.79       | <0.79       | <0.81         | <0.81         | <0.81           | <0.81       | <0.8        |  |  |  |  |
| Pentachlorophenol                                                            | 3     | 3     | 3     | <0.33                 | <0.33       | <0.33       | NA          | NA          | <0.34       | <0.33       | <0.33       | <0.33       | <0.34         | <0.34         | <0.34           | <0.34       | <0.33       |  |  |  |  |
| Phenol                                                                       | 0.9   | 0.9   | 20    | <0.17                 | <0.17       | <0.16       | NA          | NA          | <0.17       | <0.17       | <0.16       | <0.16       | <0.17         | <0.17         | <0.17           | <0.17       | <0.16       |  |  |  |  |
| 2-Methylphenol                                                               | 500   | NS    | NS    | <0.17                 | <0.17       | <0.16       | NA          | NA          | <0.17       | <0.17       | <0.16       | <0.16       | <0.17         | <0.17         | <0.17           | <0.17       | <0.16       |  |  |  |  |
| 3-Methylphenol/4-Methylphenol                                                | 500   | NS    | NS    | <0.24                 | <0.24       | <0.24       | NA          | NA          | <0.24       | <0.24       | <0.24       | <0.24       | <0.24         | <0.24         | <0.24           | <0.24       | <0.24       |  |  |  |  |
| 2,4,5-Trichlorophenol                                                        | 4     | 4     | 600   | <0.17                 | <0.17       | <0.16       | NA          | NA          | <0.17       | <0.17       | <0.16       | <0.16       | <0.17         | <0.17         | <0.17           | <0.17       | <0.16       |  |  |  |  |
| Biphenyl                                                                     | 0.05  | 0.05  | 200   | <0.033                | <0.034      | <0.033      | NA          | NA          | <0.034      | <0.034      | <0.033      | <0.033      | <0.034        | <0.034        | <0.034          | <0.034      | <0.033      |  |  |  |  |
| SUM                                                                          | NS    | NS    | NS    | ND                    | ND          | ND          | NA          | NA          | 1.64        | 0.4         | 4.48        | 5.317       | 3.23          | ND            | ND              | 0.12        | ND          |  |  |  |  |

**Table 3 - Soil Boring Analytical Results**  
Truro Department of Public Works  
17 Town Hall Road, Truro, MA

| SAMPLE ID:<br>TOV PID<br>LAB ID:<br>COLLECTION DATE:<br>SAMPLE MATRIX:       |         |         |     | SB-1 (2-4)  | SB-2 (4-6)  | SB-4 (2-4)  | SB-6 (2-4)  | SB-7 (2-4)  | SB-8 (8-10) | SB-9 (6-8)  | SB-10 (4-6) | SB-11 (10-12) | SB-12 (16-18) | SB-12 (108-110) | SB-14 (4-6) | SB-18 (4-6) |          |      |
|------------------------------------------------------------------------------|---------|---------|-----|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|---------------|-----------------|-------------|-------------|----------|------|
|                                                                              |         |         |     | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        | <0.1          | <0.1          | <0.1            | <0.1        | <0.1        | <0.1     | 51.3 |
|                                                                              |         |         |     | L2441230-01 | L2441230-02 | L2444094-01 | L2441230-03 | L2441230-04 | L2441230-05 | L2441230-06 | L2441230-07 | L2441230-08   | L2441230-09   | L2442969-01     | L2441230-10 | L244094-02  |          |      |
|                                                                              |         |         |     | 7/19/2024   | 7/19/2024   | 8/6/2024    | 7/19/2024   | 7/19/2024   | 7/19/2024   | 7/19/2024   | 7/19/2024   | 7/19/2024     | 7/19/2024     | 7/19/2024       | 7/19/2024   | 7/19/2024   | 8/6/2024 |      |
|                                                                              |         |         |     | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL          | SOIL          | SOIL            | SOIL        | SOIL        | SOIL     | SOIL |
| 2024 Applicable MCP Reportable Concentrations and Method 1 Standards (mg/kg) |         |         |     | RCS-1       | S-1/GW-1    | S-1/GW-3    |             |             |             |             |             |               |               |                 |             |             |          |      |
| PERFLUORINATED ALKYL ACIDS BY EPA 1633                                       |         |         |     |             |             |             |             |             |             |             |             |               |               |                 |             |             |          |      |
| Perfluorobutanoic Acid (PFBA)                                                | NS      | NS      | NS  | <0.000779   | <0.000797   | NA          | <0.000782   | <0.000776   | NA          | NA          | NA          | NA            | <0.000767     | NA              | <0.000792   | NA          |          |      |
| Perfluoropentanoic Acid (PFPeA)                                              | NS      | NS      | NS  | <0.000389   | <0.000399   | NA          | <0.000391   | <0.000388   | NA          | NA          | NA          | NA            | <0.000383     | NA              | <0.000396   | NA          |          |      |
| Perfluorobutanesulfonic Acid (PFBS)                                          | NS      | NS      | NS  | <0.000195   | <0.000199   | NA          | <0.000196   | <0.000194   | NA          | NA          | NA          | NA            | <0.000192     | NA              | <0.000198   | NA          |          |      |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)                            | NS      | NS      | NS  | <0.000779   | <0.000797   | NA          | <0.000782   | <0.000776   | NA          | NA          | NA          | NA            | <0.000767     | NA              | <0.000792   | NA          |          |      |
| Perfluorohexanoic Acid (PFHxA)                                               | NS      | NS      | NS  | <0.000195   | <0.000199   | NA          | <0.000196   | <0.000194   | NA          | NA          | NA          | NA            | <0.000192     | NA              | <0.000198   | NA          |          |      |
| Perfluoropentanesulfonic Acid (PFPeS)                                        | NS      | NS      | NS  | <0.000195   | <0.000199   | NA          | <0.000196   | <0.000194   | NA          | NA          | NA          | NA            | <0.000192     | NA              | <0.000198   | NA          |          |      |
| Perfluoroheptanoic Acid (PFHpA)                                              | 0.0005  | 0.0005  | 0.3 | <0.000195   | <0.000199   | NA          | <0.000196   | <0.000194   | NA          | NA          | NA          | NA            | <0.000192     | NA              | <0.000198   | NA          |          |      |
| Perfluorohexanesulfonic Acid (PFHsS)                                         | 0.0003  | 0.0003  | 0.3 | <0.000195   | <0.000199   | NA          | <0.000196   | 0.000445    | NA          | NA          | NA          | NA            | <0.000192     | NA              | <0.000198   | NA          |          |      |
| Perfluorooctanoic Acid (PFOA)                                                | 0.00072 | 0.00072 | 0.3 | <0.000195   | <0.000199   | NA          | <0.000196   | 0.000349    | NA          | NA          | NA          | NA            | <0.000192     | NA              | <0.000198   | NA          |          |      |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                            | NS      | NS      | NS  | <0.000779   | <0.000797   | NA          | <0.000782   | <0.000776   | NA          | NA          | NA          | NA            | <0.000767     | NA              | <0.000792   | NA          |          |      |
| Perfluoroheptanesulfonic Acid (PFHpS)                                        | NS      | NS      | NS  | <0.000195   | <0.000199   | NA          | <0.000196   | <0.000194   | NA          | NA          | NA          | NA            | <0.000192     | NA              | <0.000198   | NA          |          |      |
| Perfluorononanoic Acid (PFNA)                                                | 0.00032 | 0.00032 | 0.3 | <0.000195   | <0.000199   | NA          | <0.000196   | 0.000254    | NA          | NA          | NA          | NA            | <0.000192     | NA              | <0.000198   | NA          |          |      |
| Perfluorooctanesulfonic Acid (PFOS)                                          | 0.002   | 0.002   | 0.3 | <0.000195   | <0.000199   | NA          | <0.000196   | 0.00424     | NA          | NA          | NA          | NA            | <0.000192     | NA              | <0.000198   | NA          |          |      |
| Perfluorodecanoic Acid (PFDA)                                                | 0.0003  | 0.0003  | 0.3 | <0.000195   | <0.000199   | NA          | <0.000196   | <0.000194   | NA          | NA          | NA          | NA            | <0.000192     | NA              | <0.000198   | NA          |          |      |
| 1H,1H,2H,2H-Perfluorodecansulfonic Acid (8:2FTS)                             | NS      | NS      | NS  | <0.000779   | <0.000797   | NA          | <0.000782   | <0.000776   | NA          | NA          | NA          | NA            | <0.000767     | NA              | <0.000792   | NA          |          |      |
| Perfluorononanesulfonic Acid (PFNS)                                          | NS      | NS      | NS  | <0.000195   | <0.000199   | NA          | <0.000196   | <0.000194   | NA          | NA          | NA          | NA            | <0.000192     | NA              | <0.000198   | NA          |          |      |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)                    | NS      | NS      | NS  | <0.000195   | <0.000199   | NA          | <0.000196   | <0.000194   | NA          | NA          | NA          | NA            | <0.000192     | NA              | <0.000198   | NA          |          |      |
| Perfluoroundecanoic Acid (PFUnA)                                             | NS      | NS      | NS  | <0.000195   | <0.000199   | NA          | <0.000196   | 0.00028     | NA          | NA          | NA          | NA            | <0.000192     | NA              | <0.000198   | NA          |          |      |
| Perfluorodecenesulfonic Acid (PFDS)                                          | NS      | NS      | NS  | <0.000195   | <0.000199   | NA          | <0.000196   | 0.000241    | NA          | NA          | NA          | NA            | <0.000192     | NA              | <0.000198   | NA          |          |      |
| Perfluorooctanesulfonamide (PFOSA)                                           | NS      | NS      | NS  | <0.000195   | <0.000199   | NA          | <0.000196   | <0.000194   | NA          | NA          | NA          | NA            | <0.000192     | NA              | <0.000198   | NA          |          |      |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEFOSAA)                      | NS      | NS      | NS  | <0.000195   | <0.000199   | NA          | <0.000196   | 0.000247    | NA          | NA          | NA          | NA            | <0.000192     | NA              | <0.000198   | NA          |          |      |
| Perfluorodecanoic Acid (PFDA)                                                | NS      | NS      | NS  | <0.000195   | <0.000199   | NA          | <0.000196   | 0.000213    | NA          | NA          | NA          | NA            | <0.000192     | NA              | <0.000198   | NA          |          |      |
| Perfluorotridecanoic Acid (PFTDA)                                            | NS      | NS      | NS  | <0.000195   | <0.000199   | NA          | <0.000196   | <0.000194   | NA          | NA          | NA          | NA            | <0.000192     | NA              | <0.000198   | NA          |          |      |
| Perfluorotetradecanoic Acid (PFTeDA)                                         | NS      | NS      | NS  | <0.000195   | <0.000199   | NA          | <0.000196   | <0.000194   | NA          | NA          | NA          | NA            | <0.000192     | NA              | <0.000198   | NA          |          |      |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)                               | NS      | NS      | NS  | <0.000779   | <0.000797   | NA          | <0.000782   | <0.000776   | NA          | NA          | NA          | NA            | <0.000767     | NA              | <0.000792   | NA          |          |      |
| 4,8-Dioxo-3h-Perfluorononanoic Acid (ADONA)                                  | NS      | NS      | NS  | <0.000779   | <0.000797   | NA          | <0.000782   | <0.000776   | NA          | NA          | NA          | NA            | <0.000767     | NA              | <0.000792   | NA          |          |      |
| Perfluorodecenesulfonic Acid (PFDoS)                                         | NS      | NS      | NS  | <0.000195   | <0.000199   | NA          | <0.000196   | <0.000194   | NA          | NA          | NA          | NA            | <0.000192     | NA              | <0.000198   | NA          |          |      |
| 9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)                | NS      | NS      | NS  | <0.000779   | <0.000797   | NA          | <0.000782   | <0.000776   | NA          | NA          | NA          | NA            | <0.000767     | NA              | <0.000792   | NA          |          |      |
| 11-Chlorooctadecafluoro-3-Oxandecane-1-Sulfonic Acid (11Cl-PF30UdS)          | NS      | NS      | NS  | <0.000779   | <0.000797   | NA          | <0.000782   | <0.000776   | NA          | NA          | NA          | NA            | <0.000767     | NA              | <0.000792   | NA          |          |      |
| N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)                               | NS      | NS      | NS  | <0.000195   | <0.000199   | NA          | <0.000196   | <0.000194   | NA          | NA          | NA          | NA            | <0.000192     | NA              | <0.000198   | NA          |          |      |
| N-Ethyl Perfluorooctane Sulfonamide (NEFOSA)                                 | NS      | NS      | NS  | <0.000195   | <0.000199   | NA          | <0.000196   | <0.000194   | NA          | NA          | NA          | NA            | <0.000192     | NA              | <0.000198   | NA          |          |      |
| N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)                        | NS      | NS      | NS  | <0.00195    | <0.00199    | NA          | <0.00196    | <0.00194    | NA          | NA          | NA          | NA            | <0.00192      | NA              | <0.00198    | NA          |          |      |
| N-Ethyl Perfluorooctanesulfonamido Ethanol (NEFOSE)                          | NS      | NS      | NS  | <0.00195    | <0.00199    | NA          | <0.00196    | <0.00194    | NA          | NA          | NA          | NA            | <0.00192      | NA              | <0.00198    | NA          |          |      |
| Perfluoro-3-Methoxypropanoic Acid (PFMPA)                                    | NS      | NS      | NS  | <0.000389   | <0.000399   | NA          | <0.000391   | <0.000388   | NA          | NA          | NA          | NA            | <0.000383     | NA              | <0.000396   | NA          |          |      |
| Perfluoro-4-Methoxybutanoic Acid (PFMBA)                                     | NS      | NS      | NS  | <0.000389   | <0.000399   | NA          | <0.000391   | <0.000388   | NA          | NA          | NA          | NA            | <0.000383     | NA              | <0.000396   | NA          |          |      |
| Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)                              | NS      | NS      | NS  | <0.000389   | <0.000399   | NA          | <0.000391   | <0.000388   | NA          | NA          | NA          | NA            | <0.000383     | NA              | <0.000396   | NA          |          |      |
| Nonafluoro-3,6-Dioxahexanoic Acid (NFDHA)                                    | NS      | NS      | NS  | <0.000389   | <0.000399   | NA          | <0.000391   | <0.000388   | NA          | NA          | NA          | NA            | <0.000383     | NA              | <0.000396   | NA          |          |      |
| 3-Perfluoropropyl Propanoic Acid (3:3FTCA)                                   | NS      | NS      | NS  | <0.000974   | <0.000997   | NA          | <0.000978   | <0.00097    | NA          | NA          | NA          | NA            | <0.000958     | NA              | <0.000991   | NA          |          |      |
| 2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)                                 | NS      | NS      | NS  | <0.00487    | <0.00498    | NA          | <0.00489    | <0.00485    | NA          | NA          | NA          | NA            | <0.00479      | NA              | <0.00495    | NA          |          |      |
| 3-Perfluoroheptyl Propanoic Acid (7:3FTCA)                                   | NS      | NS      | NS  | <0.00487    | <0.00498    | NA          | <0.00489    | <0.00485    | NA          | NA          | NA          | NA            | <0.00479      | NA              | <0.00495    | NA          |          |      |

17 Town Hall Road, Truro, MA

|                                                                              |  |       |       | SAMPLE ID:<br>TOV PID |           | SB-1 (2-4)  | SB-2 (4-6)  | SB-4 (2-4)  | SB-6 (2-4)  | SB-7 (2-4)  | SB-8 (8-10) | SB-9 (6-8)  | SB-10 (4-6) | SB-11 (10-12) | SB-12 (16-18) | SB-12 (106-110) | SB-14 (4-6) | SB-18 (4-6) |
|------------------------------------------------------------------------------|--|-------|-------|-----------------------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|---------------|-----------------|-------------|-------------|
|                                                                              |  |       |       | LAB ID:               |           | L2441230-01 | L2441230-02 | L2444094-01 | L2441230-03 | L2441230-04 | L2441230-05 | L2441230-06 | L2441230-07 | L2441230-08   | L2441230-09   | L2444094-01     | L2441230-10 | L2444094-02 |
|                                                                              |  |       |       | COLLECTION DATE:      |           | 7/19/2024   | 7/19/2024   | 8/6/2024    | 7/19/2024   | 7/19/2024   | 7/19/2024   | 7/19/2024   | 7/19/2024   | 7/19/2024     | 7/19/2024     | 7/29/2024       | 7/19/2024   | 8/6/2024    |
|                                                                              |  |       |       | SAMPLE MATRIX:        |           | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL          | SOIL          | SOIL            | SOIL        | SOIL        |
| 2024 Applicable MCP Reportable Concentrations and Method 1 Standards (mg/kg) |  |       |       | RCS-1                 | S-1/GW-1  | S-1/GW-3    |             |             |             |             |             |             |             |               |               |                 |             |             |
| MCP CHLORINATED HERBICIDES                                                   |  |       |       |                       |           |             |             |             |             |             |             |             |             |               |               |                 |             |             |
| MCPP                                                                         |  | NS    | NS    | NS                    | <3.3      | <3.4        | NA          | NA          | <3.3        | NA          | NA          | NA          | NA          | NA            | NA            | <3.4            | <3.4        | NA          |
| MCPA                                                                         |  | 100   | NS    | NS                    | <3.3      | <3.4        | NA          | NA          | <3.3        | NA          | NA          | NA          | NA          | NA            | NA            | <3.4            | <3.4        | NA          |
| Balapon                                                                      |  | 1,000 | NS    | NS                    | <0.033    | <0.034      | NA          | NA          | <0.033      | NA          | NA          | NA          | NA          | NA            | NA            | <0.034          | <0.034      | NA          |
| Dicamba                                                                      |  | 500   | NS    | NS                    | <0.033    | <0.034      | NA          | NA          | <0.033      | NA          | NA          | NA          | NA          | NA            | NA            | <0.034          | <0.034      | NA          |
| Dichloroprop                                                                 |  | NS    | NS    | NS                    | <0.033    | <0.034      | NA          | NA          | <0.033      | NA          | NA          | NA          | NA          | NA            | NA            | <0.034          | <0.034      | NA          |
| 2,4-D                                                                        |  | 100   | NS    | NS                    | <0.033    | <0.034      | NA          | NA          | <0.033      | NA          | NA          | NA          | NA          | NA            | NA            | <0.034          | <0.034      | NA          |
| 2,4-DB                                                                       |  | 100   | NS    | NS                    | <0.033    | <0.034      | NA          | NA          | <0.033      | NA          | NA          | NA          | NA          | NA            | NA            | <0.034          | <0.034      | NA          |
| 2,4,5-T                                                                      |  | 100   | NS    | NS                    | <0.033    | <0.034      | NA          | NA          | <0.033      | NA          | NA          | NA          | NA          | NA            | NA            | <0.034          | <0.034      | NA          |
| 2,4,5-TP (Silvex)                                                            |  | 100   | NS    | NS                    | <0.033    | <0.034      | NA          | NA          | <0.033      | NA          | NA          | NA          | NA          | NA            | NA            | <0.034          | <0.034      | NA          |
| MCP ORGANOCHLORINE PESTICIDES                                                |  |       |       |                       |           |             |             |             |             |             |             |             |             |               |               |                 |             |             |
| Delta-BHC                                                                    |  | 10    | NS    | NS                    | <0.00154  | <0.00164    | NA          | NA          | <0.00157    | NA          | NA          | NA          | NA          | NA            | NA            | <0.0016         | <0.0016     | NA          |
| Lindane                                                                      |  | 0.003 | 0.003 | 0.5                   | <0.000514 | <0.000546   | NA          | NA          | <0.000523   | NA          | NA          | NA          | NA          | NA            | NA            | <0.000532       | <0.000534   | NA          |
| Alpha-BHC                                                                    |  | 50    | NS    | NS                    | <0.00643  | <0.00682    | NA          | NA          | <0.006654   | NA          | NA          | NA          | NA          | NA            | NA            | <0.006666       | <0.006668   | NA          |
| Beta-BHC                                                                     |  | 10    | NS    | NS                    | <0.00154  | <0.00164    | NA          | NA          | <0.00157    | NA          | NA          | NA          | NA          | NA            | NA            | <0.0016         | <0.0016     | NA          |
| Heptachlor                                                                   |  | 0.3   | 0.3   | 0.3                   | <0.000771 | <0.000818   | NA          | NA          | <0.000785   | NA          | NA          | NA          | NA          | NA            | NA            | <0.000799       | <0.000802   | NA          |
| Aldrin                                                                       |  | 0.09  | 0.09  | 0.09                  | <0.00154  | <0.00164    | NA          | NA          | <0.00157    | NA          | NA          | NA          | NA          | NA            | NA            | <0.0016         | <0.0016     | NA          |
| Heptachlor epoxide                                                           |  | 0.2   | 0.2   | 0.2                   | <0.00289  | <0.00307    | NA          | NA          | <0.00294    | NA          | NA          | NA          | NA          | NA            | NA            | <0.00299        | <0.00301    | NA          |
| Endrin                                                                       |  | 20    | 20    | 20                    | <0.000643 | <0.000682   | NA          | NA          | <0.000654   | NA          | NA          | NA          | NA          | NA            | NA            | <0.000666       | <0.000668   | NA          |
| Endrin ketone                                                                |  | NS    | NS    | NS                    | <0.00154  | <0.00164    | NA          | NA          | <0.00157    | NA          | NA          | NA          | NA          | NA            | NA            | <0.0016         | <0.0016     | NA          |
| Dieldrin                                                                     |  | 0.09  | 0.09  | 0.09                  | <0.000964 | <0.00102    | NA          | NA          | <0.000981   | NA          | NA          | NA          | NA          | NA            | NA            | <0.000998       | <0.001      | NA          |
| 4,4'-DDE                                                                     |  | 7     | 7     | 7                     | <0.00154  | <0.00164    | NA          | NA          | <0.00157    | NA          | NA          | NA          | NA          | NA            | NA            | <0.0016         | <0.0016     | NA          |
| 4,4'-DDD                                                                     |  | 10    | 10    | 10                    | <0.00154  | <0.00164    | NA          | NA          | <0.00157    | NA          | NA          | NA          | NA          | NA            | NA            | <0.0016         | <0.0016     | NA          |
| 4,4'-DDT                                                                     |  | 7     | 7     | 7                     | <0.00289  | <0.00307    | NA          | NA          | <0.00294    | NA          | NA          | NA          | NA          | NA            | NA            | <0.00299        | 0.0124      | NA          |
| Endosulfan I                                                                 |  | 0.6   | 0.6   | 1                     | <0.00154  | <0.00164    | NA          | NA          | <0.00157    | NA          | NA          | NA          | NA          | NA            | NA            | <0.0016         | <0.0016     | NA          |
| Endosulfan II                                                                |  | 0.6   | 0.6   | 1                     | <0.00154  | <0.00164    | NA          | NA          | <0.00157    | NA          | NA          | NA          | NA          | NA            | NA            | <0.0016         | <0.0016     | NA          |
| Endosulfan sulfate                                                           |  | 0.6   | 0.6   | 1                     | <0.000643 | <0.000682   | NA          | NA          | <0.000654   | NA          | NA          | NA          | NA          | NA            | NA            | <0.000666       | <0.000668   | NA          |
| Methoxychlor                                                                 |  | 300   | 300   | 300                   | <0.00289  | <0.00307    | NA          | NA          | <0.00294    | NA          | NA          | NA          | NA          | NA            | NA            | <0.00299        | <0.00301    | NA          |
| Chlordane                                                                    |  | 0.7   | 6     | 6                     | <0.0128   | <0.0136     | NA          | NA          | 0.0706      | NA          | NA          | NA          | NA          | NA            | NA            | <0.0133         | <0.0134     | NA          |
| Hexachlorobenzene                                                            |  | 0.7   | 0.7   | 0.7                   | <0.00154  | <0.00164    | NA          | NA          | <0.00157    | NA          | NA          | NA          | NA          | NA            | NA            | <0.0016         | <0.0016     | NA          |
| MCP POLYCHLORINATED BIPHENYLS                                                |  |       |       |                       |           |             |             |             |             |             |             |             |             |               |               |                 |             |             |
| Aroclor 1016                                                                 |  | 1     | 1     | 1                     | <0.0482   | <0.0493     | <0.0484     | <0.0489     | <0.0488     | <0.0488     | <0.0505     | <0.0486     | <0.0476     | <0.05         | <0.0501       | <0.0506         | <0.0461     | <0.0461     |
| Aroclor 1221                                                                 |  | 1     | 1     | 1                     | <0.0482   | <0.0493     | <0.0484     | <0.0489     | <0.0488     | <0.0488     | <0.0505     | <0.0486     | <0.0476     | <0.05         | <0.0501       | <0.0506         | <0.0461     | <0.0461     |
| Aroclor 1232                                                                 |  | 1     | 1     | 1                     | <0.0482   | <0.0493     | <0.0484     | <0.0489     | <0.0488     | <0.0488     | <0.0505     | <0.0486     | <0.0476     | <0.05         | <0.0501       | <0.0506         | <0.0461     | <0.0461     |
| Aroclor 1242                                                                 |  | 1     | 1     | 1                     | <0.0482   | <0.0493     | <0.0484     | <0.0489     | <0.0488     | <0.0488     | <0.0505     | <0.0486     | <0.0476     | <0.05         | <0.0501       | <0.0506         | <0.0461     | <0.0461     |
| Aroclor 1248                                                                 |  | 1     | 1     | 1                     | <0.0482   | <0.0493     | <0.0484     | <0.0489     | <0.0488     | <0.0488     | <0.0505     | <0.0486     | <0.0476     | <0.05         | <0.0501       | <0.0506         | <0.0461     | <0.0461     |
| Aroclor 1254                                                                 |  | 1     | 1     | 1                     | <0.0482   | <0.0493     | <0.0484     | <0.0489     | <0.0488     | <0.0488     | <0.0505     | <0.0486     | <0.0476     | <0.05         | <0.0501       | <0.0506         | <0.0461     | <0.0461     |
| Aroclor 1260                                                                 |  | 1     | 1     | 1                     | <0.0482   | <0.0493     | <0.0484     | <0.0489     | <0.0488     | <0.0488     | <0.0505     | <0.0486     | <0.0476     | <0.05         | <0.0501       | <0.0506         | <0.0461     | <0.0461     |
| Aroclor 1262                                                                 |  | 1     | 1     | 1                     | <0.0482   | <0.0493     | <0.0484     | <0.0489     | <0.0488     | <0.0488     | <0.0505     | <0.0486     | <0.0476     | <0.05         | <0.0501       | <0.0506         | <0.0461     | <0.0461     |
| Aroclor 1268                                                                 |  | 1     | 1     | 1                     | <0.0482   | <0.0493     | <0.0484     | <0.0489     | <0.0488     | <0.0488     | <0.0505     | <0.0486     | <0.0476     | <0.05         | <0.0501       | <0.0506         | <0.0461     | <0.0461     |
| PCBs, Total                                                                  |  | 1     | 1     | 1                     | <0.0482   | <0.0493     | <0.0484     | <0.0489     | <0.0488     | <0.0488     | <0.0505     | <0.0486     | <0.0476     | <0.05         | <0.0501       | <0.0506         | <0.0461     | <0.0461     |

Table 3 - Soil Boring Analytical Results  
Truro Department of Public Works  
17 Town Hall Road, Truro, MA

|                                                                              |       |       |       | SAMPLE ID:<br>TOV PID | SB-1 (2-4)  | SB-2 (4-6)  | SB-4 (2-4)  | SB-6 (2-4)  | SB-8 (8-10) | SB-9 (6-8)  | SB-10 (4-6) | SB-11 (10-12) | SB-12 (16-18) | SB-12 (108-110) | SB-14 (4-6) | SB-18 (4-6) |             |
|------------------------------------------------------------------------------|-------|-------|-------|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|---------------|-----------------|-------------|-------------|-------------|
|                                                                              |       |       |       | LAB ID:               | L2441230-01 | L2441230-02 | L2444094-01 | L2441230-03 | L2441230-04 | L2441230-05 | L2441230-06 | L2441230-07   | L2441230-08   | L2441230-09     | L2442969-01 | L2441230-10 | L2444094-02 |
|                                                                              |       |       |       | COLLECTION DATE:      | 7/19/2024   | 7/19/2024   | 8/6/2024    | 7/19/2024   | 7/19/2024   | 7/19/2024   | 7/19/2024   | 7/19/2024     | 7/19/2024     | 7/19/2024       | 7/29/2024   | 7/19/2024   | 8/6/2024    |
|                                                                              |       |       |       | SAMPLE MATRIX:        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL        | SOIL          | SOIL          | SOIL            | SOIL        | SOIL        | SOIL        |
| 2024 Applicable MCP Reportable Concentrations and Method 1 Standards (mg/kg) |       |       |       |                       | RCS-1       | S-1/GW-1    | S-1/GW-3    |             |             |             |             |               |               |                 |             |             |             |
| EXTRACTABLE PETROLEUM HYDROCARBONS                                           |       |       |       |                       |             |             |             |             |             |             |             |               |               |                 |             |             |             |
| C9-C18 Aliphatics                                                            | 1,000 | 1,000 | 1,000 | <6.57                 | <6.75       | <6.71       | <6.69       | <6.61       | <6.62       | <6.6        | 12.4        | <6.53         | 7.53          | <6.71           | <6.58       | 734         |             |
| C19-C36 Aliphatics                                                           | 3,000 | 3,000 | 3,000 | <6.57                 | <6.75       | <6.71       | <6.69       | 37.8        | 49.2        | <6.6        | 31.4        | 22.5          | 22.2          | <6.71           | 10.3        | 136         |             |
| C11-C22 Aromatics, Adjusted                                                  | 1,000 | 1,000 | 1,000 | <6.57                 | <6.75       | <6.71       | <6.69       | 11.7        | 18.1        | 6.92        | 24.2        | 27.9          | 22            | <6.71           | 9.98        | 172         |             |
| Naphthalene                                                                  | 4     | 4     | 500   | NA                    | NA          | NA          | <0.334      | <0.33       | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |             |
| 2-Methylnaphthalene                                                          | 0.7   | 0.7   | 300   | NA                    | NA          | NA          | <0.334      | <0.33       | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |             |
| Acenaphthylene                                                               | 2     | 2     | 10    | NA                    | NA          | NA          | <0.334      | <0.33       | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |             |
| Acenaphthene                                                                 | 4     | 4     | 1000  | NA                    | NA          | NA          | <0.334      | <0.33       | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |             |
| Fluorene                                                                     | 1,000 | 1,000 | 1000  | NA                    | NA          | NA          | <0.334      | <0.33       | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |             |
| Phenanthrene                                                                 | 10    | 10    | 500   | NA                    | NA          | NA          | <0.334      | <0.33       | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |             |
| Anthracene                                                                   | 1,000 | 1,000 | 1000  | NA                    | NA          | NA          | <0.334      | <0.33       | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |             |
| Fluoranthene                                                                 | 1,000 | 1,000 | 1000  | NA                    | NA          | NA          | <0.334      | <0.33       | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |             |
| Pyrene                                                                       | 1,000 | 1,000 | 1000  | NA                    | NA          | NA          | <0.334      | <0.33       | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |             |
| Benzo(a)anthracene                                                           | 20    | 20    | 20    | NA                    | NA          | NA          | <0.334      | <0.33       | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |             |
| Chrysene                                                                     | 200   | 200   | 200   | NA                    | NA          | NA          | <0.334      | <0.33       | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |             |
| Benzo(b)fluoranthene                                                         | 20    | 20    | 20    | NA                    | NA          | NA          | <0.334      | <0.33       | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |             |
| Benzo(k)fluoranthene                                                         | 200   | 200   | 200   | NA                    | NA          | NA          | <0.334      | <0.33       | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |             |
| Benzo(a)pyrene                                                               | 2     | 2     | 2     | NA                    | NA          | NA          | <0.334      | <0.33       | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |             |
| Indeno(1,2,3-cd)Pyrene                                                       | 20    | 20    | 20    | NA                    | NA          | NA          | <0.334      | <0.33       | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |             |
| Dibenzo(a,h)anthracene                                                       | 2     | 2     | 2     | NA                    | NA          | NA          | <0.334      | <0.33       | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |             |
| Benzo(ghi)perylene                                                           | 1,000 | 1,000 | 1000  | NA                    | NA          | NA          | <0.334      | <0.33       | NA          | NA          | NA          | NA            | NA            | NA              | NA          | NA          |             |
| VOLATILE PETROLEUM HYDROCARBONS                                              |       |       |       |                       |             |             |             |             |             |             |             |               |               |                 |             |             |             |
| C9-C10 Aromatics                                                             | 100   | 100   | 100   | <3.89                 | <5.66       | <6.02       | <5.34       | <5.97       | <6.67       | <5.67       | <5.77       | <6.06         | <6.26         | <6.14           | <6.76       | <5.84       |             |
| C5-C8 Aliphatics, Adjusted                                                   | 100   | 100   | 100   | <3.89                 | <5.66       | <6.02       | <5.34       | <5.97       | <6.67       | <5.67       | <5.77       | <6.06         | <6.26         | <6.14           | <6.76       | <5.84       |             |
| C9-C12 Aliphatics, Adjusted                                                  | 1,000 | 1,000 | 1000  | <3.89                 | <5.66       | <6.02       | <5.34       | <5.97       | <6.67       | <5.67       | <5.77       | <6.06         | <6.26         | <6.14           | <6.76       | 7.8         |             |
| Benzene                                                                      | 2     | 2     | 40    | <0.078                | <0.113      | NA          | <0.107      | <0.119      | <0.133      | <0.113      | <0.115      | <0.121        | <0.125        | NA              | <0.135      | NA          |             |
| Toluene                                                                      | 30    | 30    | 500   | <0.078                | <0.113      | NA          | <0.107      | <0.119      | <0.133      | <0.113      | <0.115      | <0.121        | <0.125        | NA              | <0.135      | NA          |             |
| Ethylbenzene                                                                 | 40    | 40    | 500   | <0.078                | <0.113      | NA          | <0.107      | <0.119      | <0.133      | <0.113      | <0.115      | <0.121        | <0.125        | NA              | <0.135      | NA          |             |
| p/m-Xylene                                                                   | 100   | 400   | 500   | <0.078                | <0.113      | NA          | <0.107      | <0.119      | <0.133      | <0.113      | <0.115      | <0.121        | <0.125        | NA              | <0.135      | NA          |             |
| o-Xylene                                                                     | 100   | 400   | 500   | <0.078                | <0.113      | NA          | <0.107      | <0.119      | <0.133      | <0.113      | <0.115      | <0.121        | <0.125        | NA              | <0.135      | NA          |             |
| Methyl tert butyl ether                                                      | 0.1   | 0.1   | 100   | <0.039                | <0.057      | NA          | <0.053      | <0.06       | <0.067      | <0.057      | <0.058      | <0.061        | <0.063        | NA              | <0.068      | NA          |             |
| Naphthalene                                                                  | 4     | 4     | 500   | <0.156                | <0.226      | NA          | <0.213      | <0.239      | <0.267      | <0.227      | <0.231      | <0.242        | <0.25         | NA              | <0.27       | NA          |             |
| MCP TOTAL METALS                                                             |       |       |       |                       |             |             |             |             |             |             |             |               |               |                 |             |             |             |
| Antimony, Total                                                              | 20    | 20    | 20    | <3.82                 | <4.04       | <3.81       | <3.81       | <3.94       | <3.97       | <4.01       | <3.87       | <3.92         | <4.02         | <3.87           | <4.02       | <3.8        |             |
| Arsenic, Total                                                               | 20    | 20    | 20    | 2.18                  | 2.44        | 1.46        | 0.87        | 2.2         | 1.1         | 1.97        | 1.17        | 1.18          | 1.3           | 1.07            | 2.64        | 1.17        |             |
| Barium, Total                                                                | 1,000 | 1,000 | 1000  | 2.46                  | 10.3        | 1.44        | 2.26        | 13.8        | 4.36        | 5.2         | 5.81        | 3.29          | 2.95          | 1.7             | 4.79        | 1.45        |             |
| Beryllium, Total                                                             | 100   | 100   | 100   | <0.382                | <0.404      | 0.072       | <0.381      | <0.394      | <0.397      | <0.401      | <0.387      | <0.392        | <0.402        | <0.387          | <0.402      | 0.056       |             |
| Cadmium, Total                                                               | 80    | 80    | 80    | <0.765                | <0.808      | <0.763      | <0.761      | <0.787      | <0.793      | <0.802      | <0.775      | <0.785        | <0.803        | <0.773          | <0.803      | <0.761      |             |
| Chromium, Total                                                              | 100   | 100   | 100   | 3.83                  | 22.3        | 2.63        | 0.957       | 5.43        | 3.51        | 7.25        | 4.32        | 3.1           | 2.88          | 3.62            | 10.5        | 1.98        |             |
| Lead, Total                                                                  | 200   | 200   | 200   | <3.82                 | <4.04       | 1.21        | <3.81       | 31.3        | 18.1        | 24.8        | 54.6        | 30.7          | 24.3          | <3.87           | <4.02       | 0.778       |             |
| Mercury, Total                                                               | 20    | 20    | 20    | <0.066                | <0.08       | <0.065      | <0.071      | 0.136       | <0.069      | <0.08       | <0.067      | <0.074        | <0.073        | <0.07           | <0.069      | <0.064      |             |
| Nickel, Total                                                                | 700   | 700   | 700   | 2.12                  | 5.3         | 2.02        | <1.9        | 2.67        | <1.98       | <2          | <1.94       | <1.96         | <2.01         | <1.93           | 6.55        | 1.05        |             |
| Selenium, Total                                                              | 400   | 400   | 400   | <3.82                 | <4.04       | <3.81       | <3.81       | <3.94       | <3.97       | <4.01       | <3.87       | <3.92         | <4.02         | <3.87           | <4.02       | <3.8        |             |
| Silver, Total                                                                | 100   | 100   | 100   | <0.765                | <0.808      | <0.763      | <0.761      | <0.787      | <0.793      | <0.802      | <0.775      | <0.785        | <0.803        | <0.773          | <0.803      | <0.761      |             |
| Thallium, Total                                                              | 8     | 8     | 8     | <3.82                 | <4.04       | <3.81       | <3.81       | <3.94       | <3.97       | <4.01       | <3.87       | <3.92         | <4.02         | <3.87           | <4.02       | <3.8        |             |
| Vanadium, Total                                                              | 500   | 500   | 500   | 2.89                  | 8.58        | 2.94        | 1.29        | 5.99        | 3.32        | 4.6         | 4.42        | 3.98          | 3.63          | 2.38            | 9.09        | 2.05        |             |
| Zinc, Total                                                                  | 1,000 | 1,000 | 1000  | 4.16                  | 6           | 3.86        | <3.81       | 28.9        | 7.66        | 22.2        | 12.7        | 10.4          | 8.87          | 9.69            | 10.5        | 2.64        |             |
| GENERAL CHEMISTRY                                                            |       |       |       |                       |             |             |             |             |             |             |             |               |               |                 |             |             |             |
| Solids, Total                                                                | NS    | NS    | NS    | 98.2                  | 97.1        | 99          | 98.6        | 98.1        | 97.1        | 96.7        | 98.6        | 97.4          | 97.1          | 98.4            | 96.8        | 99.6        |             |

\* Comparison is not performed on parameters with non-numeric criteria.

Notes:

1. MCP = 2024 Massachusetts Contingency Plan
2. S-1/GW-1 and S-1/GW-3 are the applicable Method 1 Soil Standards
3. RCS-1 = Reportable Concentrations for S-1 soils from the 2024 MCP
4. mg/kg = Milligram per kilogram
5. TOV PID = Total Organic Vapors (TOV) collected with a photoionization detector (PID) in parts per million per volume to Isobutylene
6. *Italic* = Laboratory Reporting Limit is above the regulatory criteria
7. **Bold** = Detection exceeds regulatory criteria
8. < = detection less than the laboratory reporting limit. Laboratory reporting limit shown.
9. NS = No standard
10. NA = Not analyzed
11. ND = Not detected above laboratory reporting limit

**Table 4 - Groundwater Analytical Results**  
 Truro Department of Public Works  
 17 Town Hall Road, Truro, MA

|                                                                             | SAMPLE ID:       |        |        | MW-1        | MW-2        | MW-3        | MW-4        | MW-5        |
|-----------------------------------------------------------------------------|------------------|--------|--------|-------------|-------------|-------------|-------------|-------------|
|                                                                             | LAB ID:          |        |        | L2446578-01 | L2446578-02 | L2446578-03 | L2446578-04 | L2446578-05 |
|                                                                             | COLLECTION DATE: |        |        | 8/14/2024   | 8/14/2024   | 8/14/2024   | 8/15/2024   | 8/14/2024   |
|                                                                             | SAMPLE MATRIX:   |        |        | WATER       | WATER       | WATER       | WATER       | WATER       |
| 2024 Applicable MCP Reportable Concentrations and Method 1 Standards (ug/l) | RCGW-1           | GW-1   | GW-3   |             |             |             |             |             |
| <b>MCP VOLATILE ORGANICS</b>                                                |                  |        |        |             |             |             |             |             |
| Methylene chloride                                                          | 5                | 5      | 50,000 | <2          | <2          | <2          | <2          | <2          |
| 1,1-Dichloroethane                                                          | 70               | 70     | 20,000 | <1          | <1          | <1          | <1          | <1          |
| Chloroform                                                                  | 50               | 70     | 20,000 | <1          | <1          | <1          | <1          | <1          |
| Carbon tetrachloride                                                        | 2                | 5      | 5,000  | <1          | <1          | <1          | <1          | <1          |
| 1,2-Dichloropropane                                                         | 3                | 5      | 50,000 | <1          | <1          | <1          | <1          | <1          |
| Dibromochloromethane                                                        | 2                | 2      | 50,000 | <1          | <1          | <1          | <1          | <1          |
| 1,1,2-Trichloroethane                                                       | 5                | 5      | 50,000 | <1          | <1          | <1          | <1          | <1          |
| Tetrachloroethene                                                           | 5                | 5      | 30,000 | <1          | <1          | <1          | <1          | <1          |
| Chlorobenzene                                                               | 100              | 100    | 1,000  | <1          | <1          | <1          | <1          | <1          |
| Trichlorofluoromethane                                                      | 10,000           | NS     | NS     | <2          | <2          | <2          | <2          | <2          |
| 1,2-Dichloroethane                                                          | 5                | 5      | 20,000 | <1          | <1          | <1          | <1          | <1          |
| 1,1,1-Trichloroethane                                                       | 200              | 200    | 20,000 | <1          | <1          | <1          | <1          | <1          |
| Bromodichloromethane                                                        | 3                | 3      | 50,000 | <1          | <1          | <1          | <1          | <1          |
| trans-1,3-Dichloropropene                                                   | 0.4              | 0.4    | 200    | <0.4        | <0.4        | <0.4        | <0.4        | <0.4        |
| cis-1,3-Dichloropropene                                                     | 0.4              | 0.4    | 200    | <0.4        | <0.4        | <0.4        | <0.4        | <0.4        |
| 1,3-Dichloropropene, Total                                                  | 0.4              | 0.4    | 200    | <0.4        | <0.4        | <0.4        | <0.4        | <0.4        |
| 1,1-Dichloropropene                                                         | NS               | NS     | NS     | <2          | <2          | <2          | <2          | <2          |
| Bromoform                                                                   | 4                | 4      | 50,000 | <2          | <2          | <2          | <2          | <2          |
| 1,1,2,2-Tetrachloroethane                                                   | 2                | 2      | 50,000 | <1          | <1          | <1          | <1          | <1          |
| Benzene                                                                     | 5                | 5      | 10,000 | <0.5        | <0.5        | <0.5        | <0.5        | <0.5        |
| Toluene                                                                     | 1,000            | 1000   | 40,000 | <1          | <1          | <1          | <1          | <1          |
| Ethylbenzene                                                                | 700              | 700    | 5,000  | <1          | <1          | <1          | <1          | <1          |
| Chloromethane                                                               | 1,000            | NS     | NS     | <2          | <2          | <2          | <2          | <2          |
| Bromomethane                                                                | 7                | 10     | 800    | <2          | <2          | <2          | <2          | <2          |
| Vinyl chloride                                                              | 2                | 2      | 50,000 | <1          | <1          | <1          | <1          | <1          |
| Chloroethane                                                                | 1,000            | NS     | NS     | <2          | <2          | <2          | <2          | <2          |
| 1,1-Dichloroethene                                                          | 7                | 7      | 30,000 | <1          | <1          | <1          | <1          | <1          |
| trans-1,2-Dichloroethene                                                    | 90               | 100    | 50,000 | <1          | <1          | <1          | <1          | <1          |
| Trichloroethene                                                             | 5                | 5      | 5,000  | <1          | <1          | <1          | <1          | <1          |
| 1,2-Dichlorobenzene                                                         | 600              | 600    | 2,000  | <1          | <1          | <1          | <1          | <1          |
| 1,3-Dichlorobenzene                                                         | 100              | 100    | 50,000 | <1          | <1          | <1          | <1          | <1          |
| 1,4-Dichlorobenzene                                                         | 5                | 5      | 8,000  | <1          | <1          | <1          | <1          | <1          |
| Methyl tert butyl ether                                                     | 70               | 70     | 50,000 | <2          | <2          | <2          | <2          | <2          |
| p/m-Xylene                                                                  | 3,000            | 10,000 | 5,000  | <2          | <2          | <2          | <2          | <2          |
| o-Xylene                                                                    | 3,000            | 10,000 | 5,000  | <1          | <1          | <1          | <1          | <1          |
| Xylenes, Total                                                              | 3,000            | 10,000 | 5,000  | <1          | <1          | <1          | <1          | <1          |
| cis-1,2-Dichloroethene                                                      | 20               | 70     | 50,000 | <1          | <1          | <1          | <1          | <1          |
| 1,2-Dichloroethene, Total                                                   | 70               | NS     | NS     | <1          | <1          | <1          | <1          | <1          |
| Dibromomethane                                                              | 5,000            | NS     | NS     | <2          | <2          | <2          | <2          | <2          |
| 1,2,3-Trichloropropane                                                      | 1,000            | NS     | NS     | <2          | <2          | <2          | <2          | <2          |
| Styrene                                                                     | 100              | 100    | 6,000  | <1          | <1          | <1          | <1          | <1          |
| Dichlorodifluoromethane                                                     | 10,000           | NS     | NS     | <2          | <2          | <2          | <2          | <2          |
| Acetone                                                                     | 6,300            | 6,300  | 50,000 | <5          | <5          | <5          | <5          | <5          |
| Carbon disulfide                                                            | 1,000            | NS     | NS     | <2          | <2          | <2          | <2          | <2          |
| Methyl ethyl ketone                                                         | 4,000            | 4000   | 50,000 | <5          | <5          | <5          | <5          | <5          |
| Methyl isobutyl ketone                                                      | 350              | 350    | 50,000 | <5          | <5          | <5          | <5          | <5          |
| 2-Hexanone                                                                  | 1,000            | NS     | NS     | <5          | <5          | <5          | <5          | <5          |
| Bromochloromethane                                                          | NS               | NS     | NS     | <2          | <2          | <2          | <2          | <2          |
| Tetrahydrofuran                                                             | 5,000            | NS     | NS     | <2          | <2          | <2          | <2          | <2          |
| 2,2-Dichloropropane                                                         | NS               | NS     | NS     | <2          | <2          | <2          | <2          | <2          |
| 1,2-Dibromoethane                                                           | 0.02             | 0.02   | 50,000 | <2          | <2          | <2          | <2          | <2          |
| 1,3-Dichloropropane                                                         | 5,000            | NS     | NS     | <2          | <2          | <2          | <2          | <2          |
| 1,1,1,2-Tetrachloroethane                                                   | 5                | 5      | 50,000 | <1          | <1          | <1          | <1          | <1          |
| Bromobenzene                                                                | 1,000            | NS     | NS     | <2          | <2          | <2          | <2          | <2          |
| n-Butylbenzene                                                              | NS               | NS     | NS     | <2          | <2          | <2          | <2          | <2          |
| sec-Butylbenzene                                                            | NS               | NS     | NS     | <2          | <2          | <2          | <2          | <2          |
| tert-Butylbenzene                                                           | 1,000            | NS     | NS     | <2          | <2          | <2          | <2          | <2          |
| o-Chlorotoluene                                                             | 1,000            | NS     | NS     | <2          | <2          | <2          | <2          | <2          |
| p-Chlorotoluene                                                             | NS               | NS     | NS     | <2          | <2          | <2          | <2          | <2          |
| 1,2-Dibromo-3-chloropropane                                                 | 100              | NS     | NS     | <2          | <2          | <2          | <2          | <2          |
| Hexachlorobutadiene                                                         | 0.6              | 0.6    | 3,000  | <0.6        | <0.6        | <0.6        | <0.6        | <0.6        |
| Isopropylbenzene                                                            | 10,000           | NS     | NS     | <2          | <2          | <2          | <2          | <2          |
| p-Isopropyltoluene                                                          | 1,000            | NS     | NS     | <2          | <2          | <2          | <2          | <2          |
| Naphthalene                                                                 | 140              | 140    | 20,000 | <2          | <2          | <2          | <2          | <2          |
| n-Propylbenzene                                                             | 1,000            | NS     | NS     | <2          | <2          | <2          | <2          | <2          |
| 1,2,3-Trichlorobenzene                                                      | NS               | NS     | NS     | <2          | <2          | <2          | <2          | <2          |
| 1,2,4-Trichlorobenzene                                                      | 70               | 70     | 50,000 | <2          | <2          | <2          | <2          | <2          |
| 1,3,5-Trimethylbenzene                                                      | 100              | NS     | NS     | <2          | <2          | <2          | <2          | <2          |
| 1,2,4-Trimethylbenzene                                                      | 10,000           | NS     | NS     | <2          | <2          | <2          | <2          | <2          |
| Diethyl ether                                                               | 1,000            | NS     | NS     | <2          | <2          | <2          | <2          | <2          |
| Diisopropyl Ether                                                           | 1,000            | NS     | NS     | <2          | <2          | <2          | <2          | <2          |
| Ethyl-Tert-Butyl-Ether                                                      | NS               | NS     | NS     | <2          | <2          | <2          | <2          | <2          |
| Tertiary-Amyl Methyl Ether                                                  | NS               | NS     | NS     | <2          | <2          | <2          | <2          | <2          |
| 1,4-Dioxane                                                                 | 0.3              | 0.3    | 50,000 | <250        | <250        | <250        | <250        | <250        |
| SLM                                                                         | NS               | NS     | NS     | ND          | ND          | ND          | ND          | ND          |
| <b>MICROEXTRACTABLES BY GC</b>                                              |                  |        |        |             |             |             |             |             |
| 1,2-Dibromoethane                                                           | 0.02             | 0.02   | 50,000 | <0.01       | <0.01       | <0.01       | <0.01       | <0.01       |
| 1,2-Dibromo-3-chloropropane                                                 | 100              | NS     | NS     | <0.01       | <0.01       | <0.01       | <0.01       | <0.01       |
| <b>MCP 1,4 DIOXANE BY 8270E-SIM</b>                                         |                  |        |        |             |             |             |             |             |
| 1,4-Dioxane                                                                 | 0.3              | 0.3    | 50,000 | <0.139      | <0.15       | <0.139      | <0.15       | <0.15       |
| <b>MCP SEMIVOLATILE ORGANICS</b>                                            |                  |        |        |             |             |             |             |             |
| 1,2,4-Trichlorobenzene                                                      | 70               | 70     | 50,000 | <5          | <5          | <5          | <5          | <5          |
| Bis(2-chloroethyl)ether                                                     | 30               | 30     | 50,000 | <2          | <2          | <2          | <2          | <2          |
| 1,2-Dichlorobenzene                                                         | 600              | 600    | 2,000  | <2          | <2          | <2          | <2          | <2          |
| 1,3-Dichlorobenzene                                                         | 100              | 100    | 50,000 | <2          | <2          | <2          | <2          | <2          |
| 1,4-Dichlorobenzene                                                         | 5                | 5      | 8,000  | <2          | <2          | <2          | <2          | <2          |
| 3,3'-Dichlorobenzidine                                                      | 80               | 80     | 2,000  | <5          | <5          | <5          | <5          | <5          |
| 2,4-Dinitrotoluene                                                          | 30               | 30     | 50,000 | <5          | <5          | <5          | <5          | <5          |
| 2,6-Dinitrotoluene                                                          | 1,000            | NS     | NS     | <5          | <5          | <5          | <5          | <5          |
| Azobenzene                                                                  | 500              | NS     | NS     | <2          | <2          | <2          | <2          | <2          |
| 4-Bromophenyl phenyl ether                                                  | 1,000            | NS     | NS     | <2          | <2          | <2          | <2          | <2          |

**Table 4 - Groundwater Analytical Results**  
 Truro Department of Public Works  
 17 Town Hall Road, Truro, MA

| SAMPLE ID:                                                                         |               |             |             | MW-1        | MW-2        | MW-3        | MW-4        | MW-5        |
|------------------------------------------------------------------------------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| LAB ID:                                                                            |               |             |             | L2446578-01 | L2446578-02 | L2446578-03 | L2446578-04 | L2446578-05 |
| COLLECTION DATE:                                                                   |               |             |             | 8/14/2024   | 8/14/2024   | 8/14/2024   | 8/15/2024   | 8/14/2024   |
| SAMPLE MATRIX:                                                                     |               |             |             | WATER       | WATER       | WATER       | WATER       | WATER       |
| <b>2024 Applicable MCP Reportable Concentrations and Method 1 Standards (ug/l)</b> | <b>RCGW-1</b> | <b>GW-1</b> | <b>GW-3</b> |             |             |             |             |             |
| Bis(2-chloroisopropyl)ether                                                        | 30            | 30          | 50,000      | <2          | <2          | <2          | <2          | <2          |
| Bis(2-chloroethoxy)methane                                                         | 5,000         | NS          | NS          | <5          | <5          | <5          | <5          | <5          |
| Isophorone                                                                         | 1,000         | NS          | NS          | <5          | <5          | <5          | <5          | <5          |
| Nitrobenzene                                                                       | 5,000         | NS0         | NS          | <2          | <2          | <2          | <2          | <2          |
| Bis(2-ethylhexyl)phthalate                                                         | 6             | 6           | 50,000      | <3          | <3          | <3          | <3          | <3          |
| Butyl benzyl phthalate                                                             | 1,000         | NS          | NS          | <5          | <5          | <5          | <5          | <5          |
| Di-n-butylphthalate                                                                | 500           | NS          | NS          | <5          | <5          | <5          | <5          | <5          |
| Di-n-octylphthalate                                                                | 10,000        | NS          | NS          | <5          | <5          | <5          | <5          | <5          |
| Diethyl phthalate                                                                  | 2,000         | 2000        | 9,000       | <5          | <5          | <5          | <5          | <5          |
| Dimethyl phthalate                                                                 | 300           | 300         | 50,000      | <5          | <5          | <5          | <5          | <5          |
| Biphenyl                                                                           | 2             | 2           | 50,000      | <0.7        | <0.7        | <0.7        | <0.7        | <0.7        |
| Aniline                                                                            | 10000         | NS          | NS          | <2          | <2          | <2          | <2          | <2          |
| 4-Chloroaniline                                                                    | 20            | 20          | 300         | <5          | <5          | <5          | <5          | <5          |
| Dibenzofuran                                                                       | 1,000         | NS          | NS          | <2          | <2          | <2          | <2          | <2          |
| Acetophenone                                                                       | 10,000        | NA          | NA          | <5          | <5          | <5          | <5          | <5          |
| 2,4,6-Trichlorophenol                                                              | 10            | 10          | 500         | <5          | <5          | <5          | <5          | <5          |
| 2-Chlorophenol                                                                     | 10            | 10          | 7,000       | <2          | <2          | <2          | <2          | <2          |
| 2,4-Dichlorophenol                                                                 | 10            | 10          | 2,000       | <5          | <5          | <5          | <5          | <5          |
| 2,4-Dimethylphenol                                                                 | 60            | 60          | 50,000      | <5          | <5          | <5          | <5          | <5          |
| 2-Nitrophenol                                                                      | 1,000         | NS          | NS          | <10         | <10         | <10         | <10         | <10         |
| 4-Nitrophenol                                                                      | 1,000         | NS          | NS          | <10         | <10         | <10         | <10         | <10         |
| 2,4-Dinitrophenol                                                                  | 200           | 200         | 20,000      | <20         | <20         | <20         | <20         | <20         |
| Phenol                                                                             | 900           | 900         | 2,000       | <5          | <5          | <5          | <5          | <5          |
| 2-Methylphenol                                                                     | 5,000         | NS          | NS          | <5          | <5          | <5          | <5          | <5          |
| 3-Methylphenol/4-Methylphenol                                                      | 5,000         | NS          | NS          | <5          | <5          | <5          | <5          | <5          |
| 2,4,5-Trichlorophenol                                                              | 200           | 200         | 3,000       | <5          | <5          | <5          | <5          | <5          |
| SUM                                                                                | NS            | NS          | NS          | ND          | ND          | ND          | ND          | ND          |
| <b>MCP SEMIVOLATILE ORGANICS BY SIM</b>                                            |               |             |             |             |             |             |             |             |
| Acenaphthene                                                                       | 20            | 20          | 10,000      | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        |
| 2-Chloronaphthalene                                                                | 10,000        | NS          | NS          | <0.2        | <0.2        | <0.2        | <0.2        | <0.2        |
| Fluoranthene                                                                       | 90            | 90          | 200         | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        |
| Hexachlorobutadiene                                                                | 0.6           | 0.6         | 3,000       | <0.5        | <0.5        | <0.5        | <0.5        | <0.5        |
| Naphthalene                                                                        | 140           | 140         | 20,000      | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        |
| Benzo(a)anthracene                                                                 | 1             | 1           | 1,000       | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        |
| Benzo(a)pyrene                                                                     | 0.2           | 0.2         | 500         | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        |
| Benzo(b)fluoranthene                                                               | 1             | 1           | 400         | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        |
| Benzo(k)fluoranthene                                                               | 1             | 1           | 100         | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        |
| Chrysene                                                                           | 2             | 2           | 70          | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        |
| Acenaphthylene                                                                     | 40            | 40          | 40          | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        |
| Anthracene                                                                         | 30            | 100         | 30          | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        |
| Benzo(ghi)perylene                                                                 | 20            | 50          | 20          | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        |
| Fluorene                                                                           | 40            | 40          | 40          | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        |
| Phenanthrene                                                                       | 50            | 50          | 10,000      | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        |
| Dibenzo(a,h)anthracene                                                             | 0.5           | 0.5         | 40          | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        |
| Indeno(1,2,3-cd)pyrene                                                             | 0.5           | 0.5         | 100         | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        |
| Pyrene                                                                             | 20            | 70          | 20          | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        |
| 2-Methylnaphthalene                                                                | 10            | 10          | 20,000      | <0.1        | <0.1        | <0.1        | <0.1        | <0.1        |
| Pentachlorophenol                                                                  | 1             | 1           | 200         | <0.8        | <0.8        | <0.8        | <0.8        | <0.8        |
| Hexachlorobenzene                                                                  | 1             | 1           | 6,000       | <0.8        | <0.8        | <0.8        | <0.8        | <0.8        |
| Hexachloroethane                                                                   | 8             | 8           | 50,000      | <0.8        | <0.8        | <0.8        | <0.8        | <0.8        |
| SUM                                                                                | NS            | NS          | NS          | ND          | ND          | ND          | ND          | ND          |
| <b>MCP CHLORINATED HERBICIDES</b>                                                  |               |             |             |             |             |             |             |             |
| MCPP                                                                               | NS            | NS          | NS          | <100        | <100        | <100        | <100        | <100        |
| MCPA                                                                               | 1,000         | NS          | NS          | <100        | <100        | <100        | <100        | <100        |
| Dalapon                                                                            | 10,000        | NS          | NS          | <1          | <1          | <1          | <1          | <1          |
| Dicamba                                                                            | 5,000         | NS          | NS          | <1          | <1          | <1          | <1          | <1          |
| Dichloroprop                                                                       | NS            | NS          | NS          | <1          | <1          | <1          | <1          | <1          |
| 2,4-D                                                                              | 1,000         | NS          | NS          | <1          | <1          | <1          | <1          | <1          |
| 2,4-DB                                                                             | 1,000         | NS          | NS          | <1          | <1          | <1          | <1          | <1          |
| 2,4,5-T                                                                            | 1,000         | NS          | NS          | <1          | <1          | <1          | <1          | <1          |
| 2,4,5-TP (Silvex)                                                                  | 1,000         | NS          | NS          | <1          | <1          | <1          | <1          | <1          |
| Dinoseb                                                                            | 5,000         | NS          | NS          | <1          | <1          | <1          | <1          | <1          |
| <b>MCP ORGANOCHLORINE PESTICIDES</b>                                               |               |             |             |             |             |             |             |             |
| Delta-BHC                                                                          | 100           | NS          | NS          | <0.014      | <0.014      | <0.014      | <0.019      | <0.014      |
| Lindane                                                                            | 0.2           | 0.2         | 4           | <0.014      | <0.014      | <0.014      | <0.019      | <0.014      |
| Alpha-BHC                                                                          | 500           | NS          | NS          | <0.014      | <0.014      | <0.014      | <0.019      | <0.014      |
| Beta-BHC                                                                           | 100           | NS          | NS          | <0.014      | <0.014      | <0.014      | <0.019      | <0.014      |
| Heptachlor                                                                         | 0.4           | 0.4         | 1           | <0.014      | <0.014      | <0.014      | <0.019      | <0.014      |
| Aldrin                                                                             | 0.5           | 0.5         | 30          | <0.014      | <0.014      | <0.014      | <0.019      | <0.014      |
| Heptachlor epoxide                                                                 | 0.2           | 0.2         | 2           | <0.014      | <0.014      | <0.014      | <0.019      | <0.014      |



**Table 4 - Groundwater Analytical Results**  
 Truro Department of Public Works  
 17 Town Hall Road, Truro, MA

|                                                                                    | SAMPLE ID:       |             |             | MW-1        | MW-2        | MW-3        | MW-4        | MW-5        |
|------------------------------------------------------------------------------------|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                                                                                    | LAB ID:          |             |             | L2446578-01 | L2446578-02 | L2446578-03 | L2446578-04 | L2446578-05 |
|                                                                                    | COLLECTION DATE: |             |             | 8/14/2024   | 8/14/2024   | 8/14/2024   | 8/15/2024   | 8/14/2024   |
|                                                                                    | SAMPLE MATRIX:   |             |             | WATER       | WATER       | WATER       | WATER       | WATER       |
| <b>2024 Applicable MCP Reportable Concentrations and Method 1 Standards (ug/l)</b> | <b>RCGW-1</b>    | <b>GW-1</b> | <b>GW-3</b> |             |             |             |             |             |
| Endrin                                                                             | 2                | 2           | 5           | <0.029      | <0.029      | <0.029      | <0.038      | <0.029      |
| Endrin ketone                                                                      | NS               | NS          | NS          | <0.029      | <0.029      | <0.029      | <0.038      | <0.029      |
| Dieldrin                                                                           | 0.1              | 0.1         | 0.5         | <0.029      | <0.029      | <0.029      | <0.038      | <0.029      |
| 4,4'-DDE                                                                           | 0.05             | 0.05        | 400         | <0.029      | <0.029      | <0.029      | <0.038      | <0.029      |
| 4,4'-DDD                                                                           | 0.2              | 0.2         | 50          | <0.029      | <0.029      | <0.029      | <0.038      | <0.029      |
| 4,4'-DDT                                                                           | 0.3              | 0.3         | 1           | <0.029      | <0.029      | <0.029      | <0.038      | <0.029      |
| Endosulfan I                                                                       | 2                | 10          | 2           | <0.014      | <0.014      | <0.014      | <0.019      | <0.014      |
| Endosulfan II                                                                      | 2                | 10          | 2           | <0.029      | <0.029      | <0.029      | <0.038      | <0.029      |
| Endosulfan sulfate                                                                 | 2                | 10          | 2           | <0.029      | <0.029      | <0.029      | <0.038      | <0.029      |
| Methoxychlor                                                                       | 10               | 40          | 10          | <0.143      | <0.143      | <0.143      | <0.19       | <0.143      |
| Chlordane                                                                          | 2                | 2           | 2           | <0.143      | <0.143      | <0.143      | <0.19       | <0.143      |
| Hexachlorobenzene                                                                  | 1                | 1           | 6,000       | <0.014      | <0.014      | <0.014      | <0.019      | <0.014      |
| <b>MCP POLYCHLORINATED BIPHENYLS</b>                                               |                  |             |             |             |             |             |             |             |
| Aroclor 1016                                                                       | 0.5              | 0.5         | 10          | <0.25       | <0.25       | <0.25       | <0.25       | <0.25       |
| Aroclor 1221                                                                       | 0.5              | 0.5         | 10          | <0.25       | <0.25       | <0.25       | <0.25       | <0.25       |
| Aroclor 1232                                                                       | 0.5              | 0.5         | 10          | <0.25       | <0.25       | <0.25       | <0.25       | <0.25       |
| Aroclor 1242                                                                       | 0.5              | 0.5         | 10          | <0.25       | <0.25       | <0.25       | <0.25       | <0.25       |
| Aroclor 1248                                                                       | 0.5              | 0.5         | 10          | <0.25       | <0.25       | <0.25       | <0.25       | <0.25       |
| Aroclor 1254                                                                       | 0.5              | 0.5         | 10          | <0.25       | <0.25       | <0.25       | <0.25       | <0.25       |
| Aroclor 1260                                                                       | 0.5              | 0.5         | 10          | <0.25       | <0.25       | <0.25       | <0.25       | <0.25       |
| Aroclor 1262                                                                       | 0.5              | 0.5         | 10          | <0.25       | <0.25       | <0.25       | <0.25       | <0.25       |
| Aroclor 1268                                                                       | 0.5              | 0.5         | 10          | <0.25       | <0.25       | <0.25       | <0.25       | <0.25       |
| PCBs, Total                                                                        | 0.5              | 0.5         | 10          | <0.25       | <0.25       | <0.25       | <0.25       | <0.25       |
| <b>EXTRACTABLE PETROLEUM HYDROCARBONS</b>                                          |                  |             |             |             |             |             |             |             |
| C9-C18 Aliphatics                                                                  | 700              | 700         | 50,000      | <100        | <100        | <100        | <100        | <100        |
| C19-C36 Aliphatics                                                                 | 14,000           | 14,000      | 50,000      | <100        | <100        | <100        | <100        | <100        |
| C11-C22 Aromatics, Adjusted                                                        | 200              | 200         | 5,000       | <100        | <100        | <100        | <100        | <100        |
| <b>VOLATILE PETROLEUM HYDROCARBONS</b>                                             |                  |             |             |             |             |             |             |             |
| C9-C10 Aromatics                                                                   | 200              | 200         | 50,000      | <100        | <100        | <100        | <100        | <100        |
| C5-C8 Aliphatics, Adjusted                                                         | 300              | 300         | 50,000      | <100        | <100        | <100        | <100        | <100        |
| C9-C12 Aliphatics, Adjusted                                                        | 700              | 700         | 50,000      | <100        | <100        | <100        | <100        | <100        |
| <b>MCP DISSOLVED METALS</b>                                                        |                  |             |             |             |             |             |             |             |
| Antimony, Dissolved                                                                | 6                | 6           | 8,000       | <4          | <4          | <4          | <4          | <4          |
| Arsenic, Dissolved                                                                 | 10               | 10          | 900         | <5          | <5          | <5          | <5          | <5          |
| Barium, Dissolved                                                                  | 2,000            | 2,000       | 50,000      | 19          | <10         | 25.3        | <10         | 35.1        |
| Beryllium, Dissolved                                                               | 4                | 4           | 200         | <0.5        | <0.5        | <0.5        | <0.5        | <0.5        |
| Cadmium, Dissolved                                                                 | 5                | 5           | 8           | <4          | <4          | <4          | <4          | <4          |
| Chromium, Dissolved                                                                | 100              | 100         | 300         | <10         | <10         | <10         | <10         | <10         |
| Lead, Dissolved                                                                    | 10               | 15          | 10          | <10         | <10         | <10         | <10         | <10         |
| Mercury, Dissolved                                                                 | 2                | 2           | 20          | <0.2        | <0.2        | <0.2        | <0.2        | <0.2        |
| Nickel, Dissolved                                                                  | 100              | 100         | 200         | <25         | <25         | <25         | 30.9        | <25         |
| Selenium, Dissolved                                                                | 50               | 50          | 50          | <10         | <10         | <10         | <10         | <10         |
| Silver, Dissolved                                                                  | 7                | 100         | 7           | <7          | <7          | <7          | <7          | <7          |
| Thallium, Dissolved                                                                | 2                | 2           | 3,000       | <1          | <1          | <1          | <1          | <1          |
| Vanadium, Dissolved                                                                | 30               | 30          | 4,000       | <10         | <10         | <10         | <10         | <10         |
| Zinc, Dissolved                                                                    | 900              | 5,000       | 900         | <50         | <50         | <50         | <50         | <50         |

\* Comparison is not performed on parameters with non-numeric criteria.

Notes:

1. MCP = 2024 Massachusetts Contingency Plan
2. GW-1 and GW-3 are the applicable Method 1 groundwater standards
3. RCGW-1 = Reportable Concentrations for GW-1 groundwater from the 2024 MCP
4. ug/l = micrograms per liter
5. *italic* = Laboratory Reporting Limit is above the regulatory criteria
6. **Bold** = Detection exceeds regulatory criteria
7. < = detection less than the laboratory reporting limit. Laboratory reporting limit shown.
8. NS = No standard
9. NA = Not analyzed
10. ND = Not detected above laboratory reporting limit

# APPENDIX A

## GEOPHYSICAL REPORT



August 7th, 2024

Bryan Massa  
HRP Associates, Inc.  
Plymouth, MA

**Project: Geophysical Survey – 17 Town Hall Rd, Truro, MA**

Dear Bryan,

The following is a brief letter report detailing the results of the geophysical survey performed at the above referenced site. Site maps and/or pertinent ground penetrating radar (GPR) transects are contained in the report and Appendix A. Atlantic GeoServices' standard practice is to indicate the results of the geophysical survey by marking all identified utility lines, tanks, and GPR anomalies etc. with chalk, paint or flags. It should be noted that this report is a means of transferring data and results of data interpretation, which was performed during the time allotted for the fieldwork.

Project Scope and Visual Site Inspection

Atlantic GeoServices LLC (AGS) was contracted by HRP Associates Inc. (client) to confirm/deny the presence of significant buried metallic structures. The site consists of a public works facility located at the above address and as indicated in Figure 1. Upon arrival to the site on July 9<sup>th</sup>, 2024, AGS reviewed the scope with the client and performed a site walk. During the site walk the following areas of interest were noted:

- The client indicated the areas to be scanned for significant buried metallic structures as shown in the Figure 1 data plot.

Methodology

Geophysical surveys are typically accomplished by employing the following techniques: GPR, Fisher TW6 electromagnetic metal detection (TW6 EM), a Geonics EM61-MK2 Time – Domain Electromagnetic Detector unit (EM61), radio frequency line locating (RF), and magnetics. The EM61 is a high power, high sensitivity metal detector capable of detecting both ferrous and non-ferrous metal. The TW6 EM unit sounds an audible alarm in the presence of a large mass of metal such as an UST. In general, "blind surveys" are typically performed by initially scanning the site with a TW6 EM unit and/or an EM61 unit and noting areas of relatively high EM response. Locations with a high EM response are further investigated with GPR. Known utilities are typically traced with the RF unit, GPR, and the TW6 EM unit depending on the size, matrix and conductive properties of the line. EM units are typically not effective and practical in areas underlain with reinforced concrete and/or the presence of ubiquitous metallic objects.

During EM61 surveys the EM response is sampled at four time positions at each survey point (every 0.62

feet). These four readings allow for the discrimination of targets based on target size, shape, material, and orientation. Furthermore the EM61 is designed in such a way that it is possible to distinguish deeper objects from shallow ones. In Channel D mode, the system suppresses near surface targets that may mask the response of deeper, more important targets. This feature is useful when the purpose of the survey is to locate deeper targets, such as USTs, in the presence of near-surface metallic objects.

### Geophysical Survey Results

The geophysical survey at this site was accomplished with the EM61 and GPR units. The EM61 unit was used to scan accessible areas within the scan area as outlined by the black border line in the Figure 1 data plot. Significant metallic anomalies detected within the EM scan were further investigated with GPR. The effective depth of EM/GPR penetration was approximately six feet below grade. Results of the geophysical survey were marked on the ground with paint and mapping is contained within this report. Results of the geophysical survey are as follows:

- AGS detected six significant metallic anomalies within the scanned areas as shown in Figure 1 and detailed below:

| Anomaly | GPR and EM Description                                                                                                                                 |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| A1      | 3' x 2' area of shallow metallic debris.                                                                                                               |
| A2      | 4' x 2' area of shallow metallic debris.                                                                                                               |
| A3      | 9' x 4' area of metallic debris from 2' – 4' below grade.                                                                                              |
| A4      | 7' x 5' likely steel reinforced concrete layer at 1' below grade.                                                                                      |
| A5      | 9' x 6' area of metallic structures at 3' – 5' below grade including multiple curved, drum-style GPR reflections.                                      |
| A6      | 8' x 6' area of high metallic response. GPR transects across the anomaly were inconclusive due to poor radar penetration caused by high soil salinity. |

- AGS can never eliminate the possibility of additional metallic structures below the detected material.
- While A1 – A6 represent the most significant metallic anomalies, any areas of elevated metallic response within the Figure 1 data plot suggest evidence of metallic dumping/burial.

AGS completes non-intrusive geophysical surveys using equipment and techniques representing best available technology. AGS does not accept responsibility for survey limitations due to inherent technological limitations or unforeseen and varying site-specific conditions such as steel-reinforced concrete. In practical terms, AGS serves to reduce the risk of encountering subsurface utilities during excavation operations or greatly increase the chance of locating man made subsurface objects depending on the goal of the project. The results of this investigation should only be used as a tool and should not be considered a guarantee regarding the presence or absence of USTs or piping.

Thank you for working with Atlantic GeoServices, LLC. If you should have any questions or concerns, please do not hesitate to contact us.

Sincerely,



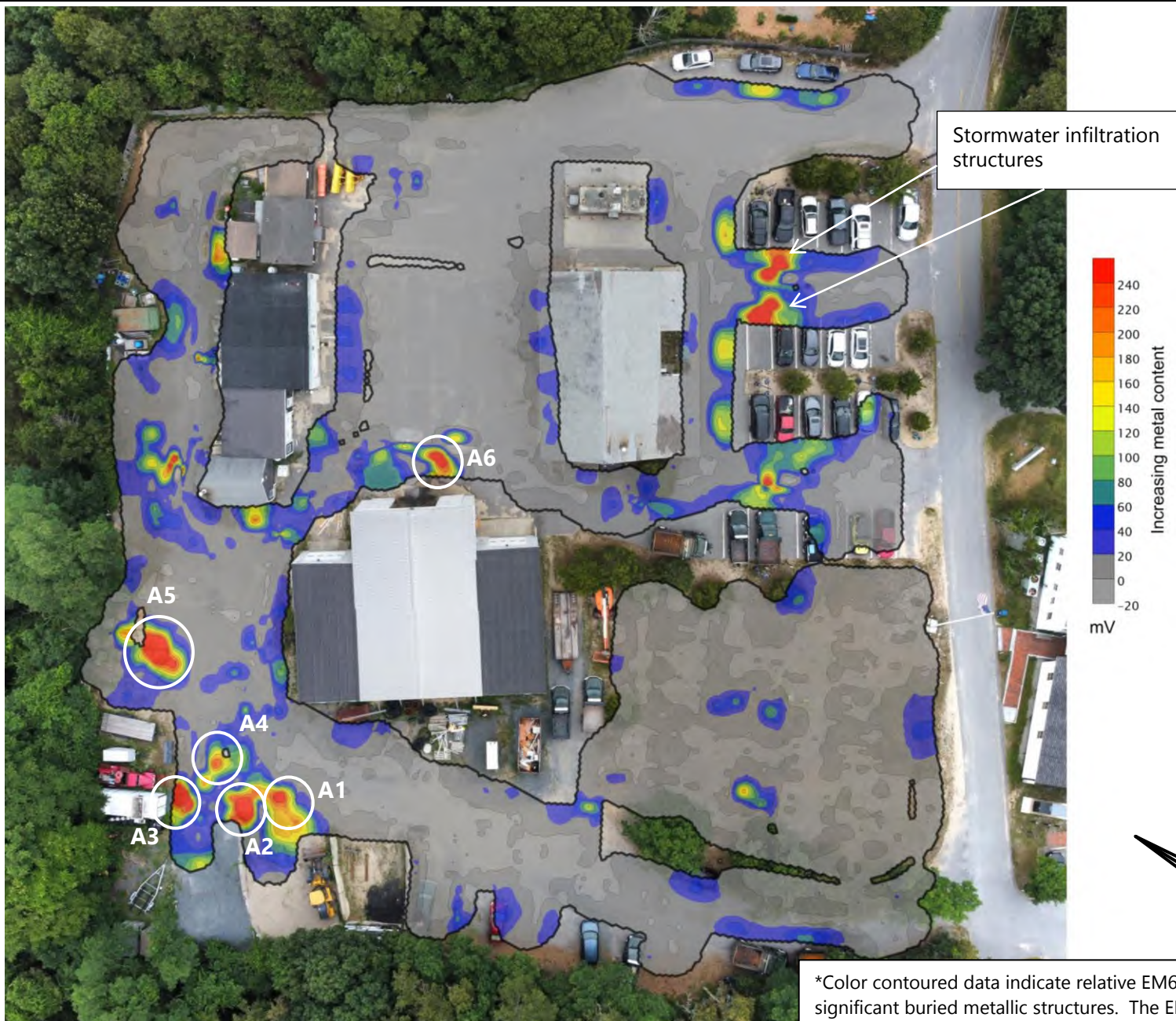
Michael Robbins, M.S.

President

[mike@atlanticgeoservices.com](mailto:mike@atlanticgeoservices.com)







\*Color contoured data indicate relative EM61 response, i.e. significant buried metallic structures. The EM survey was conducted throughout accessible sections of the scan area, as indicated by black borderline.



17 Town Hall Rd, Truro, MA

Client: HRP

Date: 7/9/24

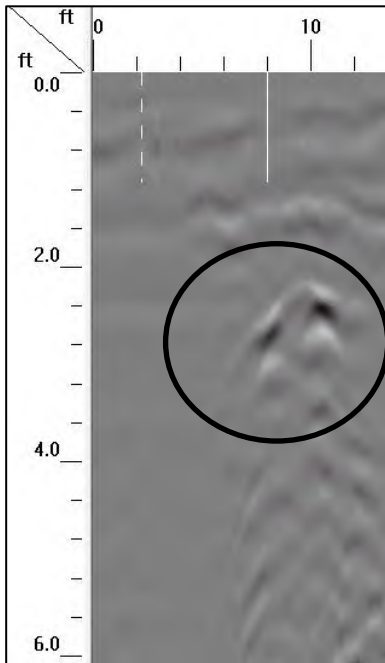
Figure 1

EM61 Survey Results (metallic structures)

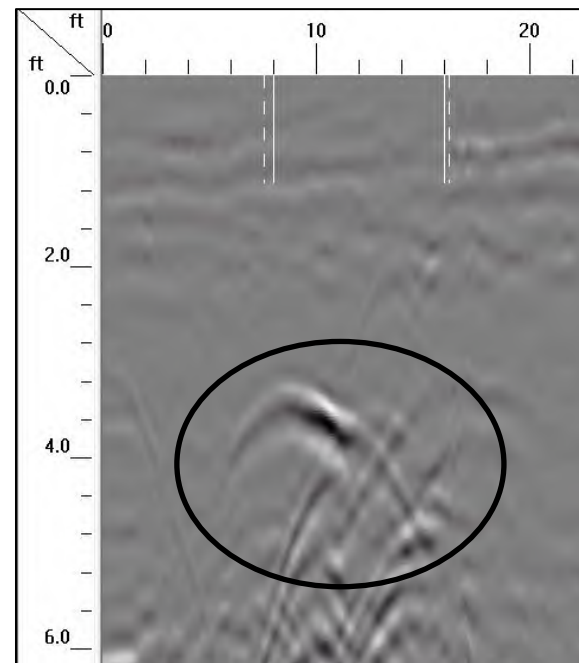
# Appendix A

## Representative GPR Transects





**GPR Transect 1.** West across A3 at 2.5' below grade (circled).



**GPR Transect 1.** West across A5 at 3.5' below grade (circled).

# APPENDIX B

## LABORATORY REPORTS



## ANALYTICAL REPORT

|                 |                                                              |
|-----------------|--------------------------------------------------------------|
| Lab Number:     | L2439378                                                     |
| Client:         | HRP Associates, Inc<br>13 Court Street<br>Plymouth, MA 02360 |
| ATTN:           | Bryan Massa                                                  |
| Phone:          | (781) 210-9840                                               |
| Project Name:   | TRURO DPW                                                    |
| Project Number: | TRU250.P2                                                    |
| Report Date:    | 07/19/24                                                     |

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

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

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Eight Walkup Drive, Westborough, MA 01581-1019  
508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



Project Name: TRURO DPW

Project Number: TRU250.P2

Lab Number: L2439378

Report Date: 07/19/24

| Alpha<br>Sample ID | Client ID       | Matrix | Sample<br>Location | Collection<br>Date/Time | Receive Date |
|--------------------|-----------------|--------|--------------------|-------------------------|--------------|
| L2439378-01        | TP1-0-2         | SOIL   | TRURO, MA          | 07/12/24 07:45          | 07/12/24     |
| L2439378-02        | TP1-4-6         | SOIL   | TRURO, MA          | 07/12/24 07:55          | 07/12/24     |
| L2439378-03        | TP2-2-4         | SOIL   | TRURO, MA          | 07/12/24 08:50          | 07/12/24     |
| L2439378-04        | TP3-8-10        | SOIL   | TRURO, MA          | 07/12/24 10:00          | 07/12/24     |
| L2439378-05        | TP4-6-8         | SOIL   | TRURO, MA          | 07/12/24 11:15          | 07/12/24     |
| L2439378-06        | TP9-2-4         | SOIL   | TRURO, MA          | 07/11/24 14:45          | 07/12/24     |
| L2439378-07        | TP12-2-4        | SOIL   | TRURO, MA          | 07/11/24 13:00          | 07/12/24     |
| L2439378-08        | TP7-4-6         | SOIL   | TRURO, MA          | 07/12/24 12:10          | 07/12/24     |
| L2439378-09        | TP8-0-2         | SOIL   | TRURO, MA          | 07/12/24 13:15          | 07/12/24     |
| L2439378-10        | TP5-8-10 CENTER | SOIL   | TRURO, MA          | 07/11/24 12:00          | 07/12/24     |
| L2439378-11        | TP11-8-10       | SOIL   | TRURO, MA          | 07/11/24 13:30          | 07/12/24     |
| L2439378-12        | TP10-6-8        | SOIL   | TRURO, MA          | 07/11/24 14:00          | 07/12/24     |
| L2439378-13        | TP5-6-8 W       | SOIL   | TRURO, MA          | 07/11/24 12:45          | 07/12/24     |

Project Name: TRURO DPW

Lab Number: L2439378

Project Number: TRU250.P2

Report Date: 07/19/24

**MADEP MCP Response Action Analytical Report Certification**

**This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.**

|                                                                                                              |                                                                                                                                                                                                                             |     |
|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| <b>An affirmative response to questions A through F is required for "Presumptive Certainty" status</b>       |                                                                                                                                                                                                                             |     |
| A                                                                                                            | Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times? | YES |
| B                                                                                                            | Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?                                                                                                        | YES |
| C                                                                                                            | Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?                                        | YES |
| D                                                                                                            | Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"                      | YES |
| E a.                                                                                                         | VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).                                                 | YES |
| E b.                                                                                                         | APH and TO-15 Methods only: Was the complete analyte list reported for each method?                                                                                                                                         | N/A |
| F                                                                                                            | Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?                                   | YES |
| <b>A response to questions G, H and I is required for "Presumptive Certainty" status</b>                     |                                                                                                                                                                                                                             |     |
| G                                                                                                            | Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?                                                                                                                   | NO  |
| H                                                                                                            | Were all QC performance standards specified in the CAM protocol(s) achieved?                                                                                                                                                | NO  |
| I                                                                                                            | Were results reported for the complete analyte list specified in the selected CAM protocol(s)?                                                                                                                              | NO  |
| <b>For any questions answered "No", please refer to the case narrative section on the following page(s).</b> |                                                                                                                                                                                                                             |     |

**Please note that sample matrix information is located in the Sample Results section of this report.**



**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439378  
**Report Date:** 07/19/24

### 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 Alpha 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, solids and tissues are reported on a dry 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, Alpha'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 Alpha Project Manager and made arrangements for Alpha 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.

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**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439378  
**Report Date:** 07/19/24

### Case Narrative (continued)

#### MCP Related Narratives

##### Sample Receipt

The analyses performed were specified by the client.

L2439378-02: Sample containers for VOC 8260D analysis were received, but not listed on the chain of custody. At the client's request, the analysis was not performed.

L2439378-10: A sample identified as "TP5-8-10 CENTER" was received, but not listed on the Chain of Custody. At the client's request, this sample was not analyzed.

L2439378-11: A sample identified as "TP11-8-10" was received, but not listed on the Chain of Custody. At the client's request, this sample was not analyzed.

L2439378-12: A sample identified as "TP10-6-8" was received, but not listed on the Chain of Custody. At the client's request, this sample was not analyzed.

L2439378-13: A sample identified as "TP5-6-8 W" was received, but not listed on the Chain of Custody. At the client's request, this sample was not analyzed.

In reference to question H:

A Matrix Spike was not submitted for the analysis of Total Metals.

#### Volatile Organics

In reference to question H:

The WG1947586-5 Method Blank, associated with L2439378-09, has a concentration above the reporting limit for chloroform. Since the associated sample concentration is either greater than 10x the blank concentration or non-detect to the RL for this target analyte, no corrective action is required. Any result detected below the reporting limit is qualified with a "B".

L2439378-01, -03, -04, -05, -06, and -07: Initial Calibration did not meet:

Lowest Calibration Standard Minimum Response Factor: bromodichloromethane (0.2987), 1,4-dioxane (0.0016), 1,1,2-trichloroethane (0.1895)

Average Response Factor: 1,4-dioxane

Verification: dichlorodifluoromethane (64%), carbon disulfide (66%)



**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439378  
**Report Date:** 07/19/24

### Case Narrative (continued)

L2439378-08: Initial Calibration did not meet:

Lowest Calibration Standard Minimum Response Factor: 1,4-dioxane (0.0019)

Average Response Factor: 1,4-dioxane

Verification: carbon disulfide (62%)

L2439378-09: Initial Calibration did not meet:

Lowest Calibration Standard Minimum Response Factor: trichloroethene (0.1911), 1,4-dioxane (0.0026)

Average Response Factor: 1,4-dioxane

Verification: carbon disulfide (66%)

L2439378-01, and -03 though -09: The associated continuing calibration standard is outside the acceptance criteria for several compounds; however, it is within overall method allowances. Associated results are considered to be biased high if the %D is negative and biased low if the %D is positive. A copy of the continuing calibration standard is included as an addendum to this report.

#### VPH

In reference to question I:

All samples were analyzed for a subset of MCP analytes per client request.

#### PCBs

L2439378-04, -07, -08, and -09: The sample has elevated detection limits due to limited sample volume available for analysis.

In reference to question G:

L2439378-04: One or more of the target analytes did not achieve the requested CAM reporting limits.

#### Total Metals

L2439378-01 through -09: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

In reference to question G:

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

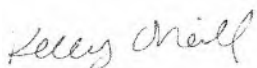
**Lab Number:** L2439378  
**Report Date:** 07/19/24

**Case Narrative (continued)**

L2439378-01 through -04, -07, and -08: One or more of the target analytes did not achieve the requested CAM reporting limits.

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:



**Kelly O'Neill**

Title: Technical Director/Representative

Date: 07/19/24

# QC OUTLIER SUMMARY REPORT

**Project Name:** TRURO DPW

**Project Number:** TRU250.P2

**Lab Number:** L2439378

**Report Date:** 07/19/24

| Method                                                  | Client ID (Native ID) | Lab ID      | Parameter               | QC Type   | Recovery/RPD (%) | QC Limits (%) | Associated Samples | Data Quality Assessment |
|---------------------------------------------------------|-----------------------|-------------|-------------------------|-----------|------------------|---------------|--------------------|-------------------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |                       |             |                         |           |                  |               |                    |                         |
| 8260D                                                   | Batch QC              | WG1947586-4 | Methyl tert butyl ether | LCSD      | 29               | 20            | 09                 | non-directional bias    |
| 8260D                                                   | Batch QC              | WG1947586-4 | Methyl tert butyl ether | LCSD      | 140              | 70-130        | 09                 | potential high bias     |
| 8260D                                                   | Batch QC              | WG1947626-3 | Vinyl chloride          | LCS       | 133              | 70-130        | 01,03-07           | potential high bias     |
| 8260D                                                   | Batch QC              | WG1947626-3 | Tetrahydrofuran         | LCS       | 134              | 70-130        | 01,03-07           | potential high bias     |
| 8260D                                                   | Batch QC              | WG1947626-4 | Vinyl chloride          | LCSD      | 132              | 70-130        | 01,03-07           | potential high bias     |
| 8260D                                                   | Batch QC              | WG1947626-4 | Tetrahydrofuran         | LCSD      | 142              | 70-130        | 01,03-07           | potential high bias     |
| 8260D                                                   | Batch QC              | WG1947626-4 | 1,2,3-Trichlorobenzene  | LCSD      | 131              | 70-130        | 01,03-07           | potential high bias     |
| 8260D                                                   | Batch QC              | WG1947626-4 | Diisopropyl Ether       | LCSD      | 131              | 70-130        | 01,03-07           | potential high bias     |
| Volatile Petroleum Hydrocarbons - Westborough Lab       |                       |             |                         |           |                  |               |                    |                         |
| VPH-18-2.1                                              | TP12-2-4              | L2439378-07 | 2,5-Dibromotoluene-PID  | Surrogate | 141              | 70-130        | -                  | potential high bias     |
| VPH-18-2.1                                              | TP12-2-4              | L2439378-07 | 2,5-Dibromotoluene-FID  | Surrogate | 138              | 70-130        | -                  | potential high bias     |
| VPH-18-2.1                                              | TP8-0-2               | L2439378-09 | 2,5-Dibromotoluene-PID  | Surrogate | 131              | 70-130        | -                  | potential high bias     |
| VPH-18-2.1                                              | TP8-0-2               | L2439378-09 | 2,5-Dibromotoluene-FID  | Surrogate | 134              | 70-130        | -                  | potential high bias     |

# ORGANICS

# VOLATILES

Project Name: TRURO DPW

Lab Number: L2439378

Project Number: TRU250.P2

Report Date: 07/19/24

## SAMPLE RESULTS

Lab ID: L2439378-01

Date Collected: 07/12/24 07:45

Client ID: TP1-0-2

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 141,8260D

Analytical Date: 07/15/24 17:19

Analyst: JIC

Percent Solids: 95%

| Parameter                                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |     |                 |
| Methylene chloride                                      | ND     |           | ug/kg | 4.1  | --  | 1               |
| 1,1-Dichloroethane                                      | ND     |           | ug/kg | 0.83 | --  | 1               |
| Chloroform                                              | ND     |           | ug/kg | 1.2  | --  | 1               |
| Carbon tetrachloride                                    | ND     |           | ug/kg | 0.83 | --  | 1               |
| 1,2-Dichloropropane                                     | ND     |           | ug/kg | 0.83 | --  | 1               |
| Dibromochloromethane                                    | ND     |           | ug/kg | 0.83 | --  | 1               |
| 1,1,2-Trichloroethane                                   | ND     |           | ug/kg | 0.83 | --  | 1               |
| Tetrachloroethene                                       | ND     |           | ug/kg | 0.41 | --  | 1               |
| Chlorobenzene                                           | ND     |           | ug/kg | 0.41 | --  | 1               |
| Trichlorofluoromethane                                  | ND     |           | ug/kg | 3.3  | --  | 1               |
| 1,2-Dichloroethane                                      | ND     |           | ug/kg | 0.83 | --  | 1               |
| 1,1,1-Trichloroethane                                   | ND     |           | ug/kg | 0.41 | --  | 1               |
| Bromodichloromethane                                    | ND     |           | ug/kg | 0.41 | --  | 1               |
| trans-1,3-Dichloropropene                               | ND     |           | ug/kg | 0.83 | --  | 1               |
| cis-1,3-Dichloropropene                                 | ND     |           | ug/kg | 0.41 | --  | 1               |
| 1,3-Dichloropropene, Total                              | ND     |           | ug/kg | 0.41 | --  | 1               |
| 1,1-Dichloropropene                                     | ND     |           | ug/kg | 0.41 | --  | 1               |
| Bromoform                                               | ND     |           | ug/kg | 3.3  | --  | 1               |
| 1,1,2,2-Tetrachloroethane                               | ND     |           | ug/kg | 0.41 | --  | 1               |
| Benzene                                                 | ND     |           | ug/kg | 0.41 | --  | 1               |
| Toluene                                                 | ND     |           | ug/kg | 0.83 | --  | 1               |
| Ethylbenzene                                            | ND     |           | ug/kg | 0.83 | --  | 1               |
| Chloromethane                                           | ND     |           | ug/kg | 3.3  | --  | 1               |
| Bromomethane                                            | ND     |           | ug/kg | 1.6  | --  | 1               |
| Vinyl chloride                                          | ND     |           | ug/kg | 0.83 | --  | 1               |
| Chloroethane                                            | ND     |           | ug/kg | 1.6  | --  | 1               |
| 1,1-Dichloroethene                                      | ND     |           | ug/kg | 0.83 | --  | 1               |
| trans-1,2-Dichloroethene                                | ND     |           | ug/kg | 1.2  | --  | 1               |

Project Name: TRURO DPW

Lab Number: L2439378

Project Number: TRU250.P2

Report Date: 07/19/24

## SAMPLE RESULTS

Lab ID: L2439378-01

Date Collected: 07/12/24 07:45

Client ID: TP1-0-2

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter                                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |     |                 |
| Trichloroethene                                         | ND     |           | ug/kg | 0.41 | --  | 1               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 1.6  | --  | 1               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 1.6  | --  | 1               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 1.6  | --  | 1               |
| Methyl tert butyl ether                                 | ND     |           | ug/kg | 1.6  | --  | 1               |
| p/m-Xylene                                              | ND     |           | ug/kg | 1.6  | --  | 1               |
| o-Xylene                                                | ND     |           | ug/kg | 0.83 | --  | 1               |
| Xylenes, Total                                          | ND     |           | ug/kg | 0.83 | --  | 1               |
| cis-1,2-Dichloroethene                                  | ND     |           | ug/kg | 0.83 | --  | 1               |
| 1,2-Dichloroethene, Total                               | ND     |           | ug/kg | 0.83 | --  | 1               |
| Dibromomethane                                          | ND     |           | ug/kg | 1.6  | --  | 1               |
| 1,2,3-Trichloropropane                                  | ND     |           | ug/kg | 1.6  | --  | 1               |
| Styrene                                                 | ND     |           | ug/kg | 0.83 | --  | 1               |
| Dichlorodifluoromethane                                 | ND     |           | ug/kg | 8.3  | --  | 1               |
| Acetone                                                 | ND     |           | ug/kg | 21   | --  | 1               |
| Carbon disulfide                                        | ND     |           | ug/kg | 8.3  | --  | 1               |
| Methyl ethyl ketone                                     | ND     |           | ug/kg | 8.3  | --  | 1               |
| Methyl isobutyl ketone                                  | ND     |           | ug/kg | 8.3  | --  | 1               |
| 2-Hexanone                                              | ND     |           | ug/kg | 8.3  | --  | 1               |
| Bromochloromethane                                      | ND     |           | ug/kg | 1.6  | --  | 1               |
| Tetrahydrofuran                                         | ND     |           | ug/kg | 3.3  | --  | 1               |
| 2,2-Dichloropropane                                     | ND     |           | ug/kg | 1.6  | --  | 1               |
| 1,2-Dibromoethane                                       | ND     |           | ug/kg | 0.83 | --  | 1               |
| 1,3-Dichloropropane                                     | ND     |           | ug/kg | 1.6  | --  | 1               |
| 1,1,1,2-Tetrachloroethane                               | ND     |           | ug/kg | 0.41 | --  | 1               |
| Bromobenzene                                            | ND     |           | ug/kg | 1.6  | --  | 1               |
| n-Butylbenzene                                          | ND     |           | ug/kg | 0.83 | --  | 1               |
| sec-Butylbenzene                                        | ND     |           | ug/kg | 0.83 | --  | 1               |
| tert-Butylbenzene                                       | ND     |           | ug/kg | 1.6  | --  | 1               |
| o-Chlorotoluene                                         | ND     |           | ug/kg | 1.6  | --  | 1               |
| p-Chlorotoluene                                         | ND     |           | ug/kg | 1.6  | --  | 1               |
| 1,2-Dibromo-3-chloropropane                             | ND     |           | ug/kg | 2.5  | --  | 1               |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 3.3  | --  | 1               |
| Isopropylbenzene                                        | ND     |           | ug/kg | 0.83 | --  | 1               |
| p-Isopropyltoluene                                      | ND     |           | ug/kg | 0.83 | --  | 1               |
| Naphthalene                                             | ND     |           | ug/kg | 3.3  | --  | 1               |
| n-Propylbenzene                                         | ND     |           | ug/kg | 0.83 | --  | 1               |



**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439378  
**Report Date:** 07/19/24

**SAMPLE RESULTS**

**Lab ID:** L2439378-01  
**Client ID:** TP1-0-2  
**Sample Location:** TRURO, MA

**Date Collected:** 07/12/24 07:45  
**Date Received:** 07/12/24  
**Field Prep:** Not Specified

Sample Depth:

| Parameter                                               | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |     |                 |
| 1,2,3-Trichlorobenzene                                  | ND     |           | ug/kg | 1.6 | --  | 1               |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 1.6 | --  | 1               |
| 1,3,5-Trimethylbenzene                                  | ND     |           | ug/kg | 1.6 | --  | 1               |
| 1,2,4-Trimethylbenzene                                  | ND     |           | ug/kg | 1.6 | --  | 1               |
| Diethyl ether                                           | ND     |           | ug/kg | 1.6 | --  | 1               |
| Diisopropyl Ether                                       | ND     |           | ug/kg | 1.6 | --  | 1               |
| Ethyl-Tert-Butyl-Ether                                  | ND     |           | ug/kg | 1.6 | --  | 1               |
| Tertiary-Amyl Methyl Ether                              | ND     |           | ug/kg | 1.6 | --  | 1               |
| 1,4-Dioxane                                             | ND     |           | ug/kg | 66  | --  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 107        |           | 70-130              |
| Toluene-d8            | 101        |           | 70-130              |
| 4-Bromofluorobenzene  | 104        |           | 70-130              |
| Dibromofluoromethane  | 109        |           | 70-130              |

Project Name: TRURO DPW

Lab Number: L2439378

Project Number: TRU250.P2

Report Date: 07/19/24

## SAMPLE RESULTS

Lab ID: L2439378-03

Date Collected: 07/12/24 08:50

Client ID: TP2-2-4

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 141,8260D

Analytical Date: 07/15/24 17:59

Analyst: JIC

Percent Solids: 98%

| Parameter                                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |     |                 |
| Methylene chloride                                      | ND     |           | ug/kg | 5.5  | --  | 1               |
| 1,1-Dichloroethane                                      | ND     |           | ug/kg | 1.1  | --  | 1               |
| Chloroform                                              | ND     |           | ug/kg | 1.6  | --  | 1               |
| Carbon tetrachloride                                    | ND     |           | ug/kg | 1.1  | --  | 1               |
| 1,2-Dichloropropane                                     | ND     |           | ug/kg | 1.1  | --  | 1               |
| Dibromochloromethane                                    | ND     |           | ug/kg | 1.1  | --  | 1               |
| 1,1,2-Trichloroethane                                   | ND     |           | ug/kg | 1.1  | --  | 1               |
| Tetrachloroethene                                       | ND     |           | ug/kg | 0.55 | --  | 1               |
| Chlorobenzene                                           | ND     |           | ug/kg | 0.55 | --  | 1               |
| Trichlorofluoromethane                                  | ND     |           | ug/kg | 4.4  | --  | 1               |
| 1,2-Dichloroethane                                      | ND     |           | ug/kg | 1.1  | --  | 1               |
| 1,1,1-Trichloroethane                                   | ND     |           | ug/kg | 0.55 | --  | 1               |
| Bromodichloromethane                                    | ND     |           | ug/kg | 0.55 | --  | 1               |
| trans-1,3-Dichloropropene                               | ND     |           | ug/kg | 1.1  | --  | 1               |
| cis-1,3-Dichloropropene                                 | ND     |           | ug/kg | 0.55 | --  | 1               |
| 1,3-Dichloropropene, Total                              | ND     |           | ug/kg | 0.55 | --  | 1               |
| 1,1-Dichloropropene                                     | ND     |           | ug/kg | 0.55 | --  | 1               |
| Bromoform                                               | ND     |           | ug/kg | 4.4  | --  | 1               |
| 1,1,2,2-Tetrachloroethane                               | ND     |           | ug/kg | 0.55 | --  | 1               |
| Benzene                                                 | ND     |           | ug/kg | 0.55 | --  | 1               |
| Toluene                                                 | ND     |           | ug/kg | 1.1  | --  | 1               |
| Ethylbenzene                                            | ND     |           | ug/kg | 1.1  | --  | 1               |
| Chloromethane                                           | ND     |           | ug/kg | 4.4  | --  | 1               |
| Bromomethane                                            | ND     |           | ug/kg | 2.2  | --  | 1               |
| Vinyl chloride                                          | ND     |           | ug/kg | 1.1  | --  | 1               |
| Chloroethane                                            | ND     |           | ug/kg | 2.2  | --  | 1               |
| 1,1-Dichloroethene                                      | ND     |           | ug/kg | 1.1  | --  | 1               |
| trans-1,2-Dichloroethene                                | ND     |           | ug/kg | 1.6  | --  | 1               |

Project Name: TRURO DPW

Lab Number: L2439378

Project Number: TRU250.P2

Report Date: 07/19/24

## SAMPLE RESULTS

Lab ID: L2439378-03

Date Collected: 07/12/24 08:50

Client ID: TP2-2-4

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter                                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |     |                 |
| Trichloroethene                                         | ND     |           | ug/kg | 0.55 | --  | 1               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 2.2  | --  | 1               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 2.2  | --  | 1               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 2.2  | --  | 1               |
| Methyl tert butyl ether                                 | ND     |           | ug/kg | 2.2  | --  | 1               |
| p/m-Xylene                                              | ND     |           | ug/kg | 2.2  | --  | 1               |
| o-Xylene                                                | ND     |           | ug/kg | 1.1  | --  | 1               |
| Xylenes, Total                                          | ND     |           | ug/kg | 1.1  | --  | 1               |
| cis-1,2-Dichloroethene                                  | ND     |           | ug/kg | 1.1  | --  | 1               |
| 1,2-Dichloroethene, Total                               | ND     |           | ug/kg | 1.1  | --  | 1               |
| Dibromomethane                                          | ND     |           | ug/kg | 2.2  | --  | 1               |
| 1,2,3-Trichloropropane                                  | ND     |           | ug/kg | 2.2  | --  | 1               |
| Styrene                                                 | ND     |           | ug/kg | 1.1  | --  | 1               |
| Dichlorodifluoromethane                                 | ND     |           | ug/kg | 11   | --  | 1               |
| Acetone                                                 | ND     |           | ug/kg | 28   | --  | 1               |
| Carbon disulfide                                        | ND     |           | ug/kg | 11   | --  | 1               |
| Methyl ethyl ketone                                     | ND     |           | ug/kg | 11   | --  | 1               |
| Methyl isobutyl ketone                                  | ND     |           | ug/kg | 11   | --  | 1               |
| 2-Hexanone                                              | ND     |           | ug/kg | 11   | --  | 1               |
| Bromochloromethane                                      | ND     |           | ug/kg | 2.2  | --  | 1               |
| Tetrahydrofuran                                         | ND     |           | ug/kg | 4.4  | --  | 1               |
| 2,2-Dichloropropane                                     | ND     |           | ug/kg | 2.2  | --  | 1               |
| 1,2-Dibromoethane                                       | ND     |           | ug/kg | 1.1  | --  | 1               |
| 1,3-Dichloropropane                                     | ND     |           | ug/kg | 2.2  | --  | 1               |
| 1,1,1,2-Tetrachloroethane                               | ND     |           | ug/kg | 0.55 | --  | 1               |
| Bromobenzene                                            | ND     |           | ug/kg | 2.2  | --  | 1               |
| n-Butylbenzene                                          | ND     |           | ug/kg | 1.1  | --  | 1               |
| sec-Butylbenzene                                        | ND     |           | ug/kg | 1.1  | --  | 1               |
| tert-Butylbenzene                                       | ND     |           | ug/kg | 2.2  | --  | 1               |
| o-Chlorotoluene                                         | ND     |           | ug/kg | 2.2  | --  | 1               |
| p-Chlorotoluene                                         | ND     |           | ug/kg | 2.2  | --  | 1               |
| 1,2-Dibromo-3-chloropropane                             | ND     |           | ug/kg | 3.3  | --  | 1               |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 4.4  | --  | 1               |
| Isopropylbenzene                                        | ND     |           | ug/kg | 1.1  | --  | 1               |
| p-Isopropyltoluene                                      | ND     |           | ug/kg | 1.1  | --  | 1               |
| Naphthalene                                             | ND     |           | ug/kg | 4.4  | --  | 1               |
| n-Propylbenzene                                         | ND     |           | ug/kg | 1.1  | --  | 1               |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439378  
**Report Date:** 07/19/24

**SAMPLE RESULTS**

**Lab ID:** L2439378-03  
**Client ID:** TP2-2-4  
**Sample Location:** TRURO, MA

**Date Collected:** 07/12/24 08:50  
**Date Received:** 07/12/24  
**Field Prep:** Not Specified

Sample Depth:

| Parameter                                               | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |     |                 |
| 1,2,3-Trichlorobenzene                                  | ND     |           | ug/kg | 2.2 | --  | 1               |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 2.2 | --  | 1               |
| 1,3,5-Trimethylbenzene                                  | ND     |           | ug/kg | 2.2 | --  | 1               |
| 1,2,4-Trimethylbenzene                                  | ND     |           | ug/kg | 2.2 | --  | 1               |
| Diethyl ether                                           | ND     |           | ug/kg | 2.2 | --  | 1               |
| Diisopropyl Ether                                       | ND     |           | ug/kg | 2.2 | --  | 1               |
| Ethyl-Tert-Butyl-Ether                                  | ND     |           | ug/kg | 2.2 | --  | 1               |
| Tertiary-Amyl Methyl Ether                              | ND     |           | ug/kg | 2.2 | --  | 1               |
| 1,4-Dioxane                                             | ND     |           | ug/kg | 88  | --  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 110        |           | 70-130              |
| Toluene-d8            | 99         |           | 70-130              |
| 4-Bromofluorobenzene  | 101        |           | 70-130              |
| Dibromofluoromethane  | 110        |           | 70-130              |

**Project Name:** TRURO DPW**Lab Number:** L2439378**Project Number:** TRU250.P2**Report Date:** 07/19/24**SAMPLE RESULTS**

Lab ID: L2439378-04

Date Collected: 07/12/24 10:00

Client ID: TP3-8-10

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 141,8260D

Analytical Date: 07/15/24 18:39

Analyst: JIC

Percent Solids: 98%

| Parameter                                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |     |                 |
| Methylene chloride                                      | ND     |           | ug/kg | 5.4  | --  | 1               |
| 1,1-Dichloroethane                                      | ND     |           | ug/kg | 1.1  | --  | 1               |
| Chloroform                                              | ND     |           | ug/kg | 1.6  | --  | 1               |
| Carbon tetrachloride                                    | ND     |           | ug/kg | 1.1  | --  | 1               |
| 1,2-Dichloropropane                                     | ND     |           | ug/kg | 1.1  | --  | 1               |
| Dibromochloromethane                                    | ND     |           | ug/kg | 1.1  | --  | 1               |
| 1,1,2-Trichloroethane                                   | ND     |           | ug/kg | 1.1  | --  | 1               |
| Tetrachloroethene                                       | ND     |           | ug/kg | 0.54 | --  | 1               |
| Chlorobenzene                                           | ND     |           | ug/kg | 0.54 | --  | 1               |
| Trichlorofluoromethane                                  | ND     |           | ug/kg | 4.4  | --  | 1               |
| 1,2-Dichloroethane                                      | ND     |           | ug/kg | 1.1  | --  | 1               |
| 1,1,1-Trichloroethane                                   | ND     |           | ug/kg | 0.54 | --  | 1               |
| Bromodichloromethane                                    | ND     |           | ug/kg | 0.54 | --  | 1               |
| trans-1,3-Dichloropropene                               | ND     |           | ug/kg | 1.1  | --  | 1               |
| cis-1,3-Dichloropropene                                 | ND     |           | ug/kg | 0.54 | --  | 1               |
| 1,3-Dichloropropene, Total                              | ND     |           | ug/kg | 0.54 | --  | 1               |
| 1,1-Dichloropropene                                     | ND     |           | ug/kg | 0.54 | --  | 1               |
| Bromoform                                               | ND     |           | ug/kg | 4.4  | --  | 1               |
| 1,1,2,2-Tetrachloroethane                               | ND     |           | ug/kg | 0.54 | --  | 1               |
| Benzene                                                 | ND     |           | ug/kg | 0.54 | --  | 1               |
| Toluene                                                 | ND     |           | ug/kg | 1.1  | --  | 1               |
| Ethylbenzene                                            | ND     |           | ug/kg | 1.1  | --  | 1               |
| Chloromethane                                           | ND     |           | ug/kg | 4.4  | --  | 1               |
| Bromomethane                                            | ND     |           | ug/kg | 2.2  | --  | 1               |
| Vinyl chloride                                          | ND     |           | ug/kg | 1.1  | --  | 1               |
| Chloroethane                                            | ND     |           | ug/kg | 2.2  | --  | 1               |
| 1,1-Dichloroethene                                      | ND     |           | ug/kg | 1.1  | --  | 1               |
| trans-1,2-Dichloroethene                                | ND     |           | ug/kg | 1.6  | --  | 1               |

Project Name: TRURO DPW

Lab Number: L2439378

Project Number: TRU250.P2

Report Date: 07/19/24

## SAMPLE RESULTS

Lab ID: L2439378-04

Date Collected: 07/12/24 10:00

Client ID: TP3-8-10

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter                                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |     |                 |
| Trichloroethene                                         | ND     |           | ug/kg | 0.54 | --  | 1               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 2.2  | --  | 1               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 2.2  | --  | 1               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 2.2  | --  | 1               |
| Methyl tert butyl ether                                 | ND     |           | ug/kg | 2.2  | --  | 1               |
| p/m-Xylene                                              | ND     |           | ug/kg | 2.2  | --  | 1               |
| o-Xylene                                                | ND     |           | ug/kg | 1.1  | --  | 1               |
| Xylenes, Total                                          | ND     |           | ug/kg | 1.1  | --  | 1               |
| cis-1,2-Dichloroethene                                  | ND     |           | ug/kg | 1.1  | --  | 1               |
| 1,2-Dichloroethene, Total                               | ND     |           | ug/kg | 1.1  | --  | 1               |
| Dibromomethane                                          | ND     |           | ug/kg | 2.2  | --  | 1               |
| 1,2,3-Trichloropropane                                  | ND     |           | ug/kg | 2.2  | --  | 1               |
| Styrene                                                 | ND     |           | ug/kg | 1.1  | --  | 1               |
| Dichlorodifluoromethane                                 | ND     |           | ug/kg | 11   | --  | 1               |
| Acetone                                                 | ND     |           | ug/kg | 27   | --  | 1               |
| Carbon disulfide                                        | ND     |           | ug/kg | 11   | --  | 1               |
| Methyl ethyl ketone                                     | ND     |           | ug/kg | 11   | --  | 1               |
| Methyl isobutyl ketone                                  | ND     |           | ug/kg | 11   | --  | 1               |
| 2-Hexanone                                              | ND     |           | ug/kg | 11   | --  | 1               |
| Bromochloromethane                                      | ND     |           | ug/kg | 2.2  | --  | 1               |
| Tetrahydrofuran                                         | ND     |           | ug/kg | 4.4  | --  | 1               |
| 2,2-Dichloropropane                                     | ND     |           | ug/kg | 2.2  | --  | 1               |
| 1,2-Dibromoethane                                       | ND     |           | ug/kg | 1.1  | --  | 1               |
| 1,3-Dichloropropane                                     | ND     |           | ug/kg | 2.2  | --  | 1               |
| 1,1,1,2-Tetrachloroethane                               | ND     |           | ug/kg | 0.54 | --  | 1               |
| Bromobenzene                                            | ND     |           | ug/kg | 2.2  | --  | 1               |
| n-Butylbenzene                                          | ND     |           | ug/kg | 1.1  | --  | 1               |
| sec-Butylbenzene                                        | ND     |           | ug/kg | 1.1  | --  | 1               |
| tert-Butylbenzene                                       | ND     |           | ug/kg | 2.2  | --  | 1               |
| o-Chlorotoluene                                         | ND     |           | ug/kg | 2.2  | --  | 1               |
| p-Chlorotoluene                                         | ND     |           | ug/kg | 2.2  | --  | 1               |
| 1,2-Dibromo-3-chloropropane                             | ND     |           | ug/kg | 3.3  | --  | 1               |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 4.4  | --  | 1               |
| Isopropylbenzene                                        | ND     |           | ug/kg | 1.1  | --  | 1               |
| p-Isopropyltoluene                                      | ND     |           | ug/kg | 1.1  | --  | 1               |
| Naphthalene                                             | ND     |           | ug/kg | 4.4  | --  | 1               |
| n-Propylbenzene                                         | ND     |           | ug/kg | 1.1  | --  | 1               |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439378  
**Report Date:** 07/19/24

**SAMPLE RESULTS**

**Lab ID:** L2439378-04  
**Client ID:** TP3-8-10  
**Sample Location:** TRURO, MA

**Date Collected:** 07/12/24 10:00  
**Date Received:** 07/12/24  
**Field Prep:** Not Specified

Sample Depth:

| Parameter                                               | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |     |                 |
| 1,2,3-Trichlorobenzene                                  | ND     |           | ug/kg | 2.2 | --  | 1               |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 2.2 | --  | 1               |
| 1,3,5-Trimethylbenzene                                  | ND     |           | ug/kg | 2.2 | --  | 1               |
| 1,2,4-Trimethylbenzene                                  | ND     |           | ug/kg | 2.2 | --  | 1               |
| Diethyl ether                                           | ND     |           | ug/kg | 2.2 | --  | 1               |
| Diisopropyl Ether                                       | ND     |           | ug/kg | 2.2 | --  | 1               |
| Ethyl-Tert-Butyl-Ether                                  | ND     |           | ug/kg | 2.2 | --  | 1               |
| Tertiary-Amyl Methyl Ether                              | ND     |           | ug/kg | 2.2 | --  | 1               |
| 1,4-Dioxane                                             | ND     |           | ug/kg | 87  | --  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 109        |           | 70-130              |
| Toluene-d8            | 99         |           | 70-130              |
| 4-Bromofluorobenzene  | 101        |           | 70-130              |
| Dibromofluoromethane  | 110        |           | 70-130              |

**Project Name:** TRURO DPW**Lab Number:** L2439378**Project Number:** TRU250.P2**Report Date:** 07/19/24**SAMPLE RESULTS**

Lab ID: L2439378-05

Date Collected: 07/12/24 11:15

Client ID: TP4-6-8

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 141,8260D

Analytical Date: 07/15/24 19:19

Analyst: JIC

Percent Solids: 95%

| Parameter                                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |     |                 |
| Methylene chloride                                      | ND     |           | ug/kg | 4.9  | --  | 1               |
| 1,1-Dichloroethane                                      | ND     |           | ug/kg | 0.98 | --  | 1               |
| Chloroform                                              | ND     |           | ug/kg | 1.5  | --  | 1               |
| Carbon tetrachloride                                    | ND     |           | ug/kg | 0.98 | --  | 1               |
| 1,2-Dichloropropane                                     | ND     |           | ug/kg | 0.98 | --  | 1               |
| Dibromochloromethane                                    | ND     |           | ug/kg | 0.98 | --  | 1               |
| 1,1,2-Trichloroethane                                   | ND     |           | ug/kg | 0.98 | --  | 1               |
| Tetrachloroethene                                       | ND     |           | ug/kg | 0.49 | --  | 1               |
| Chlorobenzene                                           | ND     |           | ug/kg | 0.49 | --  | 1               |
| Trichlorofluoromethane                                  | ND     |           | ug/kg | 3.9  | --  | 1               |
| 1,2-Dichloroethane                                      | ND     |           | ug/kg | 0.98 | --  | 1               |
| 1,1,1-Trichloroethane                                   | ND     |           | ug/kg | 0.49 | --  | 1               |
| Bromodichloromethane                                    | ND     |           | ug/kg | 0.49 | --  | 1               |
| trans-1,3-Dichloropropene                               | ND     |           | ug/kg | 0.98 | --  | 1               |
| cis-1,3-Dichloropropene                                 | ND     |           | ug/kg | 0.49 | --  | 1               |
| 1,3-Dichloropropene, Total                              | ND     |           | ug/kg | 0.49 | --  | 1               |
| 1,1-Dichloropropene                                     | ND     |           | ug/kg | 0.49 | --  | 1               |
| Bromoform                                               | ND     |           | ug/kg | 3.9  | --  | 1               |
| 1,1,2,2-Tetrachloroethane                               | ND     |           | ug/kg | 0.49 | --  | 1               |
| Benzene                                                 | ND     |           | ug/kg | 0.49 | --  | 1               |
| Toluene                                                 | ND     |           | ug/kg | 0.98 | --  | 1               |
| Ethylbenzene                                            | ND     |           | ug/kg | 0.98 | --  | 1               |
| Chloromethane                                           | ND     |           | ug/kg | 3.9  | --  | 1               |
| Bromomethane                                            | ND     |           | ug/kg | 2.0  | --  | 1               |
| Vinyl chloride                                          | ND     |           | ug/kg | 0.98 | --  | 1               |
| Chloroethane                                            | ND     |           | ug/kg | 2.0  | --  | 1               |
| 1,1-Dichloroethene                                      | ND     |           | ug/kg | 0.98 | --  | 1               |
| trans-1,2-Dichloroethene                                | ND     |           | ug/kg | 1.5  | --  | 1               |



Project Name: TRURO DPW

Lab Number: L2439378

Project Number: TRU250.P2

Report Date: 07/19/24

## SAMPLE RESULTS

Lab ID: L2439378-05

Date Collected: 07/12/24 11:15

Client ID: TP4-6-8

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter                                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |     |                 |
| Trichloroethene                                         | ND     |           | ug/kg | 0.49 | --  | 1               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 2.0  | --  | 1               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 2.0  | --  | 1               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 2.0  | --  | 1               |
| Methyl tert butyl ether                                 | ND     |           | ug/kg | 2.0  | --  | 1               |
| p/m-Xylene                                              | ND     |           | ug/kg | 2.0  | --  | 1               |
| o-Xylene                                                | ND     |           | ug/kg | 0.98 | --  | 1               |
| Xylenes, Total                                          | ND     |           | ug/kg | 0.98 | --  | 1               |
| cis-1,2-Dichloroethene                                  | ND     |           | ug/kg | 0.98 | --  | 1               |
| 1,2-Dichloroethene, Total                               | ND     |           | ug/kg | 0.98 | --  | 1               |
| Dibromomethane                                          | ND     |           | ug/kg | 2.0  | --  | 1               |
| 1,2,3-Trichloropropane                                  | ND     |           | ug/kg | 2.0  | --  | 1               |
| Styrene                                                 | ND     |           | ug/kg | 0.98 | --  | 1               |
| Dichlorodifluoromethane                                 | ND     |           | ug/kg | 9.8  | --  | 1               |
| Acetone                                                 | ND     |           | ug/kg | 25   | --  | 1               |
| Carbon disulfide                                        | ND     |           | ug/kg | 9.8  | --  | 1               |
| Methyl ethyl ketone                                     | ND     |           | ug/kg | 9.8  | --  | 1               |
| Methyl isobutyl ketone                                  | ND     |           | ug/kg | 9.8  | --  | 1               |
| 2-Hexanone                                              | ND     |           | ug/kg | 9.8  | --  | 1               |
| Bromochloromethane                                      | ND     |           | ug/kg | 2.0  | --  | 1               |
| Tetrahydrofuran                                         | ND     |           | ug/kg | 3.9  | --  | 1               |
| 2,2-Dichloropropane                                     | ND     |           | ug/kg | 2.0  | --  | 1               |
| 1,2-Dibromoethane                                       | ND     |           | ug/kg | 0.98 | --  | 1               |
| 1,3-Dichloropropane                                     | ND     |           | ug/kg | 2.0  | --  | 1               |
| 1,1,1,2-Tetrachloroethane                               | ND     |           | ug/kg | 0.49 | --  | 1               |
| Bromobenzene                                            | ND     |           | ug/kg | 2.0  | --  | 1               |
| n-Butylbenzene                                          | ND     |           | ug/kg | 0.98 | --  | 1               |
| sec-Butylbenzene                                        | ND     |           | ug/kg | 0.98 | --  | 1               |
| tert-Butylbenzene                                       | ND     |           | ug/kg | 2.0  | --  | 1               |
| o-Chlorotoluene                                         | ND     |           | ug/kg | 2.0  | --  | 1               |
| p-Chlorotoluene                                         | ND     |           | ug/kg | 2.0  | --  | 1               |
| 1,2-Dibromo-3-chloropropane                             | ND     |           | ug/kg | 3.0  | --  | 1               |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 3.9  | --  | 1               |
| Isopropylbenzene                                        | ND     |           | ug/kg | 0.98 | --  | 1               |
| p-Isopropyltoluene                                      | ND     |           | ug/kg | 0.98 | --  | 1               |
| Naphthalene                                             | ND     |           | ug/kg | 3.9  | --  | 1               |
| n-Propylbenzene                                         | ND     |           | ug/kg | 0.98 | --  | 1               |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439378  
**Report Date:** 07/19/24

**SAMPLE RESULTS**

**Lab ID:** L2439378-05  
**Client ID:** TP4-6-8  
**Sample Location:** TRURO, MA

**Date Collected:** 07/12/24 11:15  
**Date Received:** 07/12/24  
**Field Prep:** Not Specified

Sample Depth:

| Parameter                                               | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |     |                 |
| 1,2,3-Trichlorobenzene                                  | ND     |           | ug/kg | 2.0 | --  | 1               |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 2.0 | --  | 1               |
| 1,3,5-Trimethylbenzene                                  | ND     |           | ug/kg | 2.0 | --  | 1               |
| 1,2,4-Trimethylbenzene                                  | ND     |           | ug/kg | 2.0 | --  | 1               |
| Diethyl ether                                           | ND     |           | ug/kg | 2.0 | --  | 1               |
| Diisopropyl Ether                                       | ND     |           | ug/kg | 2.0 | --  | 1               |
| Ethyl-Tert-Butyl-Ether                                  | ND     |           | ug/kg | 2.0 | --  | 1               |
| Tertiary-Amyl Methyl Ether                              | ND     |           | ug/kg | 2.0 | --  | 1               |
| 1,4-Dioxane                                             | ND     |           | ug/kg | 79  | --  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 109        |           | 70-130              |
| Toluene-d8            | 99         |           | 70-130              |
| 4-Bromofluorobenzene  | 100        |           | 70-130              |
| Dibromofluoromethane  | 109        |           | 70-130              |

**Project Name:** TRURO DPW**Lab Number:** L2439378**Project Number:** TRU250.P2**Report Date:** 07/19/24**SAMPLE RESULTS**

Lab ID: L2439378-06

Date Collected: 07/11/24 14:45

Client ID: TP9-2-4

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 141,8260D

Analytical Date: 07/15/24 19:59

Analyst: JIC

Percent Solids: 95%

| Parameter                                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |     |                 |
| Methylene chloride                                      | ND     |           | ug/kg | 5.3  | --  | 1               |
| 1,1-Dichloroethane                                      | ND     |           | ug/kg | 1.0  | --  | 1               |
| Chloroform                                              | ND     |           | ug/kg | 1.6  | --  | 1               |
| Carbon tetrachloride                                    | ND     |           | ug/kg | 1.0  | --  | 1               |
| 1,2-Dichloropropane                                     | ND     |           | ug/kg | 1.0  | --  | 1               |
| Dibromochloromethane                                    | ND     |           | ug/kg | 1.0  | --  | 1               |
| 1,1,2-Trichloroethane                                   | ND     |           | ug/kg | 1.0  | --  | 1               |
| Tetrachloroethene                                       | ND     |           | ug/kg | 0.53 | --  | 1               |
| Chlorobenzene                                           | ND     |           | ug/kg | 0.53 | --  | 1               |
| Trichlorofluoromethane                                  | ND     |           | ug/kg | 4.2  | --  | 1               |
| 1,2-Dichloroethane                                      | ND     |           | ug/kg | 1.0  | --  | 1               |
| 1,1,1-Trichloroethane                                   | ND     |           | ug/kg | 0.53 | --  | 1               |
| Bromodichloromethane                                    | ND     |           | ug/kg | 0.53 | --  | 1               |
| trans-1,3-Dichloropropene                               | ND     |           | ug/kg | 1.0  | --  | 1               |
| cis-1,3-Dichloropropene                                 | ND     |           | ug/kg | 0.53 | --  | 1               |
| 1,3-Dichloropropene, Total                              | ND     |           | ug/kg | 0.53 | --  | 1               |
| 1,1-Dichloropropene                                     | ND     |           | ug/kg | 0.53 | --  | 1               |
| Bromoform                                               | ND     |           | ug/kg | 4.2  | --  | 1               |
| 1,1,2,2-Tetrachloroethane                               | ND     |           | ug/kg | 0.53 | --  | 1               |
| Benzene                                                 | ND     |           | ug/kg | 0.53 | --  | 1               |
| Toluene                                                 | ND     |           | ug/kg | 1.0  | --  | 1               |
| Ethylbenzene                                            | ND     |           | ug/kg | 1.0  | --  | 1               |
| Chloromethane                                           | ND     |           | ug/kg | 4.2  | --  | 1               |
| Bromomethane                                            | ND     |           | ug/kg | 2.1  | --  | 1               |
| Vinyl chloride                                          | ND     |           | ug/kg | 1.0  | --  | 1               |
| Chloroethane                                            | ND     |           | ug/kg | 2.1  | --  | 1               |
| 1,1-Dichloroethene                                      | ND     |           | ug/kg | 1.0  | --  | 1               |
| trans-1,2-Dichloroethene                                | ND     |           | ug/kg | 1.6  | --  | 1               |

Project Name: TRURO DPW

Lab Number: L2439378

Project Number: TRU250.P2

Report Date: 07/19/24

## SAMPLE RESULTS

Lab ID: L2439378-06

Date Collected: 07/11/24 14:45

Client ID: TP9-2-4

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter                                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |     |                 |
| Trichloroethene                                         | ND     |           | ug/kg | 0.53 | --  | 1               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 2.1  | --  | 1               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 2.1  | --  | 1               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 2.1  | --  | 1               |
| Methyl tert butyl ether                                 | ND     |           | ug/kg | 2.1  | --  | 1               |
| p/m-Xylene                                              | ND     |           | ug/kg | 2.1  | --  | 1               |
| o-Xylene                                                | ND     |           | ug/kg | 1.0  | --  | 1               |
| Xylenes, Total                                          | ND     |           | ug/kg | 1.0  | --  | 1               |
| cis-1,2-Dichloroethene                                  | ND     |           | ug/kg | 1.0  | --  | 1               |
| 1,2-Dichloroethene, Total                               | ND     |           | ug/kg | 1.0  | --  | 1               |
| Dibromomethane                                          | ND     |           | ug/kg | 2.1  | --  | 1               |
| 1,2,3-Trichloropropane                                  | ND     |           | ug/kg | 2.1  | --  | 1               |
| Styrene                                                 | ND     |           | ug/kg | 1.0  | --  | 1               |
| Dichlorodifluoromethane                                 | ND     |           | ug/kg | 10   | --  | 1               |
| Acetone                                                 | ND     |           | ug/kg | 26   | --  | 1               |
| Carbon disulfide                                        | ND     |           | ug/kg | 10   | --  | 1               |
| Methyl ethyl ketone                                     | ND     |           | ug/kg | 10   | --  | 1               |
| Methyl isobutyl ketone                                  | ND     |           | ug/kg | 10   | --  | 1               |
| 2-Hexanone                                              | ND     |           | ug/kg | 10   | --  | 1               |
| Bromochloromethane                                      | ND     |           | ug/kg | 2.1  | --  | 1               |
| Tetrahydrofuran                                         | ND     |           | ug/kg | 4.2  | --  | 1               |
| 2,2-Dichloropropane                                     | ND     |           | ug/kg | 2.1  | --  | 1               |
| 1,2-Dibromoethane                                       | ND     |           | ug/kg | 1.0  | --  | 1               |
| 1,3-Dichloropropane                                     | ND     |           | ug/kg | 2.1  | --  | 1               |
| 1,1,1,2-Tetrachloroethane                               | ND     |           | ug/kg | 0.53 | --  | 1               |
| Bromobenzene                                            | ND     |           | ug/kg | 2.1  | --  | 1               |
| n-Butylbenzene                                          | ND     |           | ug/kg | 1.0  | --  | 1               |
| sec-Butylbenzene                                        | ND     |           | ug/kg | 1.0  | --  | 1               |
| tert-Butylbenzene                                       | ND     |           | ug/kg | 2.1  | --  | 1               |
| o-Chlorotoluene                                         | ND     |           | ug/kg | 2.1  | --  | 1               |
| p-Chlorotoluene                                         | ND     |           | ug/kg | 2.1  | --  | 1               |
| 1,2-Dibromo-3-chloropropane                             | ND     |           | ug/kg | 3.2  | --  | 1               |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 4.2  | --  | 1               |
| Isopropylbenzene                                        | ND     |           | ug/kg | 1.0  | --  | 1               |
| p-Isopropyltoluene                                      | ND     |           | ug/kg | 1.0  | --  | 1               |
| Naphthalene                                             | ND     |           | ug/kg | 4.2  | --  | 1               |
| n-Propylbenzene                                         | ND     |           | ug/kg | 1.0  | --  | 1               |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439378  
**Report Date:** 07/19/24

**SAMPLE RESULTS**

**Lab ID:** L2439378-06  
**Client ID:** TP9-2-4  
**Sample Location:** TRURO, MA

**Date Collected:** 07/11/24 14:45  
**Date Received:** 07/12/24  
**Field Prep:** Not Specified

Sample Depth:

| Parameter                                               | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |     |                 |
| 1,2,3-Trichlorobenzene                                  | ND     |           | ug/kg | 2.1 | --  | 1               |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 2.1 | --  | 1               |
| 1,3,5-Trimethylbenzene                                  | ND     |           | ug/kg | 2.1 | --  | 1               |
| 1,2,4-Trimethylbenzene                                  | ND     |           | ug/kg | 2.1 | --  | 1               |
| Diethyl ether                                           | ND     |           | ug/kg | 2.1 | --  | 1               |
| Diisopropyl Ether                                       | ND     |           | ug/kg | 2.1 | --  | 1               |
| Ethyl-Tert-Butyl-Ether                                  | ND     |           | ug/kg | 2.1 | --  | 1               |
| Tertiary-Amyl Methyl Ether                              | ND     |           | ug/kg | 2.1 | --  | 1               |
| 1,4-Dioxane                                             | ND     |           | ug/kg | 84  | --  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 109        |           | 70-130              |
| Toluene-d8            | 98         |           | 70-130              |
| 4-Bromofluorobenzene  | 99         |           | 70-130              |
| Dibromofluoromethane  | 110        |           | 70-130              |

**Project Name:** TRURO DPW**Lab Number:** L2439378**Project Number:** TRU250.P2**Report Date:** 07/19/24**SAMPLE RESULTS**

Lab ID: L2439378-07

Date Collected: 07/11/24 13:00

Client ID: TP12-2-4

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 141,8260D

Analytical Date: 07/15/24 20:39

Analyst: JIC

Percent Solids: 92%

| Parameter                                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |     |                 |
| Methylene chloride                                      | ND     |           | ug/kg | 3.3  | --  | 1               |
| 1,1-Dichloroethane                                      | ND     |           | ug/kg | 0.66 | --  | 1               |
| Chloroform                                              | ND     |           | ug/kg | 0.99 | --  | 1               |
| Carbon tetrachloride                                    | ND     |           | ug/kg | 0.66 | --  | 1               |
| 1,2-Dichloropropane                                     | ND     |           | ug/kg | 0.66 | --  | 1               |
| Dibromochloromethane                                    | ND     |           | ug/kg | 0.66 | --  | 1               |
| 1,1,2-Trichloroethane                                   | ND     |           | ug/kg | 0.66 | --  | 1               |
| Tetrachloroethene                                       | ND     |           | ug/kg | 0.33 | --  | 1               |
| Chlorobenzene                                           | ND     |           | ug/kg | 0.33 | --  | 1               |
| Trichlorofluoromethane                                  | ND     |           | ug/kg | 2.6  | --  | 1               |
| 1,2-Dichloroethane                                      | ND     |           | ug/kg | 0.66 | --  | 1               |
| 1,1,1-Trichloroethane                                   | ND     |           | ug/kg | 0.33 | --  | 1               |
| Bromodichloromethane                                    | ND     |           | ug/kg | 0.33 | --  | 1               |
| trans-1,3-Dichloropropene                               | ND     |           | ug/kg | 0.66 | --  | 1               |
| cis-1,3-Dichloropropene                                 | ND     |           | ug/kg | 0.33 | --  | 1               |
| 1,3-Dichloropropene, Total                              | ND     |           | ug/kg | 0.33 | --  | 1               |
| 1,1-Dichloropropene                                     | ND     |           | ug/kg | 0.33 | --  | 1               |
| Bromoform                                               | ND     |           | ug/kg | 2.6  | --  | 1               |
| 1,1,2,2-Tetrachloroethane                               | ND     |           | ug/kg | 0.33 | --  | 1               |
| Benzene                                                 | ND     |           | ug/kg | 0.33 | --  | 1               |
| Toluene                                                 | ND     |           | ug/kg | 0.66 | --  | 1               |
| Ethylbenzene                                            | ND     |           | ug/kg | 0.66 | --  | 1               |
| Chloromethane                                           | ND     |           | ug/kg | 2.6  | --  | 1               |
| Bromomethane                                            | ND     |           | ug/kg | 1.3  | --  | 1               |
| Vinyl chloride                                          | ND     |           | ug/kg | 0.66 | --  | 1               |
| Chloroethane                                            | ND     |           | ug/kg | 1.3  | --  | 1               |
| 1,1-Dichloroethene                                      | ND     |           | ug/kg | 0.66 | --  | 1               |
| trans-1,2-Dichloroethene                                | ND     |           | ug/kg | 0.99 | --  | 1               |

Project Name: TRURO DPW

Lab Number: L2439378

Project Number: TRU250.P2

Report Date: 07/19/24

## SAMPLE RESULTS

Lab ID: L2439378-07

Date Collected: 07/11/24 13:00

Client ID: TP12-2-4

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter                                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |     |                 |
| Trichloroethene                                         | ND     |           | ug/kg | 0.33 | --  | 1               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 1.3  | --  | 1               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 1.3  | --  | 1               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 1.3  | --  | 1               |
| Methyl tert butyl ether                                 | ND     |           | ug/kg | 1.3  | --  | 1               |
| p/m-Xylene                                              | ND     |           | ug/kg | 1.3  | --  | 1               |
| o-Xylene                                                | ND     |           | ug/kg | 0.66 | --  | 1               |
| Xylenes, Total                                          | ND     |           | ug/kg | 0.66 | --  | 1               |
| cis-1,2-Dichloroethene                                  | ND     |           | ug/kg | 0.66 | --  | 1               |
| 1,2-Dichloroethene, Total                               | ND     |           | ug/kg | 0.66 | --  | 1               |
| Dibromomethane                                          | ND     |           | ug/kg | 1.3  | --  | 1               |
| 1,2,3-Trichloropropane                                  | ND     |           | ug/kg | 1.3  | --  | 1               |
| Styrene                                                 | ND     |           | ug/kg | 0.66 | --  | 1               |
| Dichlorodifluoromethane                                 | ND     |           | ug/kg | 6.6  | --  | 1               |
| Acetone                                                 | ND     |           | ug/kg | 16   | --  | 1               |
| Carbon disulfide                                        | ND     |           | ug/kg | 6.6  | --  | 1               |
| Methyl ethyl ketone                                     | ND     |           | ug/kg | 6.6  | --  | 1               |
| Methyl isobutyl ketone                                  | ND     |           | ug/kg | 6.6  | --  | 1               |
| 2-Hexanone                                              | ND     |           | ug/kg | 6.6  | --  | 1               |
| Bromochloromethane                                      | ND     |           | ug/kg | 1.3  | --  | 1               |
| Tetrahydrofuran                                         | ND     |           | ug/kg | 2.6  | --  | 1               |
| 2,2-Dichloropropane                                     | ND     |           | ug/kg | 1.3  | --  | 1               |
| 1,2-Dibromoethane                                       | ND     |           | ug/kg | 0.66 | --  | 1               |
| 1,3-Dichloropropane                                     | ND     |           | ug/kg | 1.3  | --  | 1               |
| 1,1,1,2-Tetrachloroethane                               | ND     |           | ug/kg | 0.33 | --  | 1               |
| Bromobenzene                                            | ND     |           | ug/kg | 1.3  | --  | 1               |
| n-Butylbenzene                                          | ND     |           | ug/kg | 0.66 | --  | 1               |
| sec-Butylbenzene                                        | ND     |           | ug/kg | 0.66 | --  | 1               |
| tert-Butylbenzene                                       | ND     |           | ug/kg | 1.3  | --  | 1               |
| o-Chlorotoluene                                         | ND     |           | ug/kg | 1.3  | --  | 1               |
| p-Chlorotoluene                                         | ND     |           | ug/kg | 1.3  | --  | 1               |
| 1,2-Dibromo-3-chloropropane                             | ND     |           | ug/kg | 2.0  | --  | 1               |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 2.6  | --  | 1               |
| Isopropylbenzene                                        | ND     |           | ug/kg | 0.66 | --  | 1               |
| p-Isopropyltoluene                                      | ND     |           | ug/kg | 0.66 | --  | 1               |
| Naphthalene                                             | ND     |           | ug/kg | 2.6  | --  | 1               |
| n-Propylbenzene                                         | ND     |           | ug/kg | 0.66 | --  | 1               |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439378  
**Report Date:** 07/19/24

**SAMPLE RESULTS**

**Lab ID:** L2439378-07  
**Client ID:** TP12-2-4  
**Sample Location:** TRURO, MA

**Date Collected:** 07/11/24 13:00  
**Date Received:** 07/12/24  
**Field Prep:** Not Specified

Sample Depth:

| Parameter                                               | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |     |                 |
| 1,2,3-Trichlorobenzene                                  | ND     |           | ug/kg | 1.3 | --  | 1               |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 1.3 | --  | 1               |
| 1,3,5-Trimethylbenzene                                  | ND     |           | ug/kg | 1.3 | --  | 1               |
| 1,2,4-Trimethylbenzene                                  | ND     |           | ug/kg | 1.3 | --  | 1               |
| Diethyl ether                                           | ND     |           | ug/kg | 1.3 | --  | 1               |
| Diisopropyl Ether                                       | ND     |           | ug/kg | 1.3 | --  | 1               |
| Ethyl-Tert-Butyl-Ether                                  | ND     |           | ug/kg | 1.3 | --  | 1               |
| Tertiary-Amyl Methyl Ether                              | ND     |           | ug/kg | 1.3 | --  | 1               |
| 1,4-Dioxane                                             | ND     |           | ug/kg | 53  | --  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 109        |           | 70-130              |
| Toluene-d8            | 99         |           | 70-130              |
| 4-Bromofluorobenzene  | 101        |           | 70-130              |
| Dibromofluoromethane  | 108        |           | 70-130              |



**Project Name:** TRURO DPW**Lab Number:** L2439378**Project Number:** TRU250.P2**Report Date:** 07/19/24**SAMPLE RESULTS**

Lab ID: L2439378-08

Date Collected: 07/12/24 12:10

Client ID: TP7-4-6

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 141,8260D

Analytical Date: 07/16/24 10:13

Analyst: AJK

Percent Solids: 96%

| Parameter                                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |     |                 |
| Methylene chloride                                      | ND     |           | ug/kg | 5.2  | --  | 1               |
| 1,1-Dichloroethane                                      | ND     |           | ug/kg | 1.0  | --  | 1               |
| Chloroform                                              | ND     |           | ug/kg | 1.5  | --  | 1               |
| Carbon tetrachloride                                    | ND     |           | ug/kg | 1.0  | --  | 1               |
| 1,2-Dichloropropane                                     | ND     |           | ug/kg | 1.0  | --  | 1               |
| Dibromochloromethane                                    | ND     |           | ug/kg | 1.0  | --  | 1               |
| 1,1,2-Trichloroethane                                   | ND     |           | ug/kg | 1.0  | --  | 1               |
| Tetrachloroethene                                       | ND     |           | ug/kg | 0.52 | --  | 1               |
| Chlorobenzene                                           | ND     |           | ug/kg | 0.52 | --  | 1               |
| Trichlorofluoromethane                                  | ND     |           | ug/kg | 4.1  | --  | 1               |
| 1,2-Dichloroethane                                      | ND     |           | ug/kg | 1.0  | --  | 1               |
| 1,1,1-Trichloroethane                                   | ND     |           | ug/kg | 0.52 | --  | 1               |
| Bromodichloromethane                                    | ND     |           | ug/kg | 0.52 | --  | 1               |
| trans-1,3-Dichloropropene                               | ND     |           | ug/kg | 1.0  | --  | 1               |
| cis-1,3-Dichloropropene                                 | ND     |           | ug/kg | 0.52 | --  | 1               |
| 1,3-Dichloropropene, Total                              | ND     |           | ug/kg | 0.52 | --  | 1               |
| 1,1-Dichloropropene                                     | ND     |           | ug/kg | 0.52 | --  | 1               |
| Bromoform                                               | ND     |           | ug/kg | 4.1  | --  | 1               |
| 1,1,2,2-Tetrachloroethane                               | ND     |           | ug/kg | 0.52 | --  | 1               |
| Benzene                                                 | ND     |           | ug/kg | 0.52 | --  | 1               |
| Toluene                                                 | ND     |           | ug/kg | 1.0  | --  | 1               |
| Ethylbenzene                                            | ND     |           | ug/kg | 1.0  | --  | 1               |
| Chloromethane                                           | ND     |           | ug/kg | 4.1  | --  | 1               |
| Bromomethane                                            | ND     |           | ug/kg | 2.1  | --  | 1               |
| Vinyl chloride                                          | ND     |           | ug/kg | 1.0  | --  | 1               |
| Chloroethane                                            | ND     |           | ug/kg | 2.1  | --  | 1               |
| 1,1-Dichloroethene                                      | ND     |           | ug/kg | 1.0  | --  | 1               |
| trans-1,2-Dichloroethene                                | ND     |           | ug/kg | 1.5  | --  | 1               |

Project Name: TRURO DPW

Lab Number: L2439378

Project Number: TRU250.P2

Report Date: 07/19/24

## SAMPLE RESULTS

Lab ID: L2439378-08

Date Collected: 07/12/24 12:10

Client ID: TP7-4-6

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter                                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |     |                 |
| Trichloroethene                                         | ND     |           | ug/kg | 0.52 | --  | 1               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 2.1  | --  | 1               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 2.1  | --  | 1               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 2.1  | --  | 1               |
| Methyl tert butyl ether                                 | ND     |           | ug/kg | 2.1  | --  | 1               |
| p/m-Xylene                                              | ND     |           | ug/kg | 2.1  | --  | 1               |
| o-Xylene                                                | ND     |           | ug/kg | 1.0  | --  | 1               |
| Xylenes, Total                                          | ND     |           | ug/kg | 1.0  | --  | 1               |
| cis-1,2-Dichloroethene                                  | ND     |           | ug/kg | 1.0  | --  | 1               |
| 1,2-Dichloroethene, Total                               | ND     |           | ug/kg | 1.0  | --  | 1               |
| Dibromomethane                                          | ND     |           | ug/kg | 2.1  | --  | 1               |
| 1,2,3-Trichloropropane                                  | ND     |           | ug/kg | 2.1  | --  | 1               |
| Styrene                                                 | ND     |           | ug/kg | 1.0  | --  | 1               |
| Dichlorodifluoromethane                                 | ND     |           | ug/kg | 10   | --  | 1               |
| Acetone                                                 | ND     |           | ug/kg | 26   | --  | 1               |
| Carbon disulfide                                        | ND     |           | ug/kg | 10   | --  | 1               |
| Methyl ethyl ketone                                     | ND     |           | ug/kg | 10   | --  | 1               |
| Methyl isobutyl ketone                                  | ND     |           | ug/kg | 10   | --  | 1               |
| 2-Hexanone                                              | ND     |           | ug/kg | 10   | --  | 1               |
| Bromochloromethane                                      | ND     |           | ug/kg | 2.1  | --  | 1               |
| Tetrahydrofuran                                         | ND     |           | ug/kg | 4.1  | --  | 1               |
| 2,2-Dichloropropane                                     | ND     |           | ug/kg | 2.1  | --  | 1               |
| 1,2-Dibromoethane                                       | ND     |           | ug/kg | 1.0  | --  | 1               |
| 1,3-Dichloropropane                                     | ND     |           | ug/kg | 2.1  | --  | 1               |
| 1,1,1,2-Tetrachloroethane                               | ND     |           | ug/kg | 0.52 | --  | 1               |
| Bromobenzene                                            | ND     |           | ug/kg | 2.1  | --  | 1               |
| n-Butylbenzene                                          | ND     |           | ug/kg | 1.0  | --  | 1               |
| sec-Butylbenzene                                        | ND     |           | ug/kg | 1.0  | --  | 1               |
| tert-Butylbenzene                                       | ND     |           | ug/kg | 2.1  | --  | 1               |
| o-Chlorotoluene                                         | ND     |           | ug/kg | 2.1  | --  | 1               |
| p-Chlorotoluene                                         | ND     |           | ug/kg | 2.1  | --  | 1               |
| 1,2-Dibromo-3-chloropropane                             | ND     |           | ug/kg | 3.1  | --  | 1               |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 4.1  | --  | 1               |
| Isopropylbenzene                                        | ND     |           | ug/kg | 1.0  | --  | 1               |
| p-Isopropyltoluene                                      | ND     |           | ug/kg | 1.0  | --  | 1               |
| Naphthalene                                             | ND     |           | ug/kg | 4.1  | --  | 1               |
| n-Propylbenzene                                         | ND     |           | ug/kg | 1.0  | --  | 1               |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439378  
**Report Date:** 07/19/24

**SAMPLE RESULTS**

**Lab ID:** L2439378-08  
**Client ID:** TP7-4-6  
**Sample Location:** TRURO, MA

**Date Collected:** 07/12/24 12:10  
**Date Received:** 07/12/24  
**Field Prep:** Not Specified

Sample Depth:

| Parameter                                               | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |     |                 |
| 1,2,3-Trichlorobenzene                                  | ND     |           | ug/kg | 2.1 | --  | 1               |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 2.1 | --  | 1               |
| 1,3,5-Trimethylbenzene                                  | ND     |           | ug/kg | 2.1 | --  | 1               |
| 1,2,4-Trimethylbenzene                                  | ND     |           | ug/kg | 2.1 | --  | 1               |
| Diethyl ether                                           | ND     |           | ug/kg | 2.1 | --  | 1               |
| Diisopropyl Ether                                       | ND     |           | ug/kg | 2.1 | --  | 1               |
| Ethyl-Tert-Butyl-Ether                                  | ND     |           | ug/kg | 2.1 | --  | 1               |
| Tertiary-Amyl Methyl Ether                              | ND     |           | ug/kg | 2.1 | --  | 1               |
| 1,4-Dioxane                                             | ND     |           | ug/kg | 82  | --  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 118        |           | 70-130              |
| Toluene-d8            | 100        |           | 70-130              |
| 4-Bromofluorobenzene  | 94         |           | 70-130              |
| Dibromofluoromethane  | 112        |           | 70-130              |

**Project Name:** TRURO DPW**Lab Number:** L2439378**Project Number:** TRU250.P2**Report Date:** 07/19/24**SAMPLE RESULTS**

Lab ID: L2439378-09

Date Collected: 07/12/24 13:15

Client ID: TP8-0-2

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 141,8260D

Analytical Date: 07/15/24 11:37

Analyst: JIC

Percent Solids: 94%

| Parameter                                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |     |                 |
| Methylene chloride                                      | ND     |           | ug/kg | 5.6  | --  | 1               |
| 1,1-Dichloroethane                                      | ND     |           | ug/kg | 1.1  | --  | 1               |
| Chloroform                                              | ND     |           | ug/kg | 1.7  | --  | 1               |
| Carbon tetrachloride                                    | ND     |           | ug/kg | 1.1  | --  | 1               |
| 1,2-Dichloropropane                                     | ND     |           | ug/kg | 1.1  | --  | 1               |
| Dibromochloromethane                                    | ND     |           | ug/kg | 1.1  | --  | 1               |
| 1,1,2-Trichloroethane                                   | ND     |           | ug/kg | 1.1  | --  | 1               |
| Tetrachloroethene                                       | ND     |           | ug/kg | 0.56 | --  | 1               |
| Chlorobenzene                                           | ND     |           | ug/kg | 0.56 | --  | 1               |
| Trichlorofluoromethane                                  | ND     |           | ug/kg | 4.4  | --  | 1               |
| 1,2-Dichloroethane                                      | ND     |           | ug/kg | 1.1  | --  | 1               |
| 1,1,1-Trichloroethane                                   | ND     |           | ug/kg | 0.56 | --  | 1               |
| Bromodichloromethane                                    | ND     |           | ug/kg | 0.56 | --  | 1               |
| trans-1,3-Dichloropropene                               | ND     |           | ug/kg | 1.1  | --  | 1               |
| cis-1,3-Dichloropropene                                 | ND     |           | ug/kg | 0.56 | --  | 1               |
| 1,3-Dichloropropene, Total                              | ND     |           | ug/kg | 0.56 | --  | 1               |
| 1,1-Dichloropropene                                     | ND     |           | ug/kg | 0.56 | --  | 1               |
| Bromoform                                               | ND     |           | ug/kg | 4.4  | --  | 1               |
| 1,1,2,2-Tetrachloroethane                               | ND     |           | ug/kg | 0.56 | --  | 1               |
| Benzene                                                 | ND     |           | ug/kg | 0.56 | --  | 1               |
| Toluene                                                 | ND     |           | ug/kg | 1.1  | --  | 1               |
| Ethylbenzene                                            | ND     |           | ug/kg | 1.1  | --  | 1               |
| Chloromethane                                           | ND     |           | ug/kg | 4.4  | --  | 1               |
| Bromomethane                                            | ND     |           | ug/kg | 2.2  | --  | 1               |
| Vinyl chloride                                          | ND     |           | ug/kg | 1.1  | --  | 1               |
| Chloroethane                                            | ND     |           | ug/kg | 2.2  | --  | 1               |
| 1,1-Dichloroethene                                      | ND     |           | ug/kg | 1.1  | --  | 1               |
| trans-1,2-Dichloroethene                                | ND     |           | ug/kg | 1.7  | --  | 1               |

Project Name: TRURO DPW

Lab Number: L2439378

Project Number: TRU250.P2

Report Date: 07/19/24

## SAMPLE RESULTS

Lab ID: L2439378-09

Date Collected: 07/12/24 13:15

Client ID: TP8-0-2

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter                                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |     |                 |
| Trichloroethene                                         | ND     |           | ug/kg | 0.56 | --  | 1               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 2.2  | --  | 1               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 2.2  | --  | 1               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 2.2  | --  | 1               |
| Methyl tert butyl ether                                 | ND     |           | ug/kg | 2.2  | --  | 1               |
| p/m-Xylene                                              | ND     |           | ug/kg | 2.2  | --  | 1               |
| o-Xylene                                                | ND     |           | ug/kg | 1.1  | --  | 1               |
| Xylenes, Total                                          | ND     |           | ug/kg | 1.1  | --  | 1               |
| cis-1,2-Dichloroethene                                  | ND     |           | ug/kg | 1.1  | --  | 1               |
| 1,2-Dichloroethene, Total                               | ND     |           | ug/kg | 1.1  | --  | 1               |
| Dibromomethane                                          | ND     |           | ug/kg | 2.2  | --  | 1               |
| 1,2,3-Trichloropropane                                  | ND     |           | ug/kg | 2.2  | --  | 1               |
| Styrene                                                 | ND     |           | ug/kg | 1.1  | --  | 1               |
| Dichlorodifluoromethane                                 | ND     |           | ug/kg | 11   | --  | 1               |
| Acetone                                                 | ND     |           | ug/kg | 28   | --  | 1               |
| Carbon disulfide                                        | ND     |           | ug/kg | 11   | --  | 1               |
| Methyl ethyl ketone                                     | ND     |           | ug/kg | 11   | --  | 1               |
| Methyl isobutyl ketone                                  | ND     |           | ug/kg | 11   | --  | 1               |
| 2-Hexanone                                              | ND     |           | ug/kg | 11   | --  | 1               |
| Bromochloromethane                                      | ND     |           | ug/kg | 2.2  | --  | 1               |
| Tetrahydrofuran                                         | ND     |           | ug/kg | 4.4  | --  | 1               |
| 2,2-Dichloropropane                                     | ND     |           | ug/kg | 2.2  | --  | 1               |
| 1,2-Dibromoethane                                       | ND     |           | ug/kg | 1.1  | --  | 1               |
| 1,3-Dichloropropane                                     | ND     |           | ug/kg | 2.2  | --  | 1               |
| 1,1,1,2-Tetrachloroethane                               | ND     |           | ug/kg | 0.56 | --  | 1               |
| Bromobenzene                                            | ND     |           | ug/kg | 2.2  | --  | 1               |
| n-Butylbenzene                                          | ND     |           | ug/kg | 1.1  | --  | 1               |
| sec-Butylbenzene                                        | ND     |           | ug/kg | 1.1  | --  | 1               |
| tert-Butylbenzene                                       | ND     |           | ug/kg | 2.2  | --  | 1               |
| o-Chlorotoluene                                         | ND     |           | ug/kg | 2.2  | --  | 1               |
| p-Chlorotoluene                                         | ND     |           | ug/kg | 2.2  | --  | 1               |
| 1,2-Dibromo-3-chloropropane                             | ND     |           | ug/kg | 3.3  | --  | 1               |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 4.4  | --  | 1               |
| Isopropylbenzene                                        | ND     |           | ug/kg | 1.1  | --  | 1               |
| p-Isopropyltoluene                                      | ND     |           | ug/kg | 1.1  | --  | 1               |
| Naphthalene                                             | ND     |           | ug/kg | 4.4  | --  | 1               |
| n-Propylbenzene                                         | ND     |           | ug/kg | 1.1  | --  | 1               |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439378  
**Report Date:** 07/19/24

**SAMPLE RESULTS**

**Lab ID:** L2439378-09  
**Client ID:** TP8-0-2  
**Sample Location:** TRURO, MA

**Date Collected:** 07/12/24 13:15  
**Date Received:** 07/12/24  
**Field Prep:** Not Specified

Sample Depth:

| Parameter                                               | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |     |                 |
| 1,2,3-Trichlorobenzene                                  | ND     |           | ug/kg | 2.2 | --  | 1               |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 2.2 | --  | 1               |
| 1,3,5-Trimethylbenzene                                  | ND     |           | ug/kg | 2.2 | --  | 1               |
| 1,2,4-Trimethylbenzene                                  | ND     |           | ug/kg | 2.2 | --  | 1               |
| Diethyl ether                                           | ND     |           | ug/kg | 2.2 | --  | 1               |
| Diisopropyl Ether                                       | ND     |           | ug/kg | 2.2 | --  | 1               |
| Ethyl-Tert-Butyl-Ether                                  | ND     |           | ug/kg | 2.2 | --  | 1               |
| Tertiary-Amyl Methyl Ether                              | ND     |           | ug/kg | 2.2 | --  | 1               |
| 1,4-Dioxane                                             | ND     |           | ug/kg | 89  | --  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 120        |           | 70-130              |
| Toluene-d8            | 104        |           | 70-130              |
| 4-Bromofluorobenzene  | 112        |           | 70-130              |
| Dibromofluoromethane  | 106        |           | 70-130              |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439378  
**Report Date:** 07/19/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 141,8260D  
 Analytical Date: 07/16/24 08:29  
 Analyst: AJK

| Parameter                                                                                    | Result | Qualifier | Units | RL   | MDL |
|----------------------------------------------------------------------------------------------|--------|-----------|-------|------|-----|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 08 Batch: WG1947524-5 |        |           |       |      |     |
| Methylene chloride                                                                           | ND     |           | ug/kg | 5.0  | --  |
| 1,1-Dichloroethane                                                                           | ND     |           | ug/kg | 1.0  | --  |
| Chloroform                                                                                   | ND     |           | ug/kg | 1.5  | --  |
| Carbon tetrachloride                                                                         | ND     |           | ug/kg | 1.0  | --  |
| 1,2-Dichloropropane                                                                          | ND     |           | ug/kg | 1.0  | --  |
| Dibromochloromethane                                                                         | ND     |           | ug/kg | 1.0  | --  |
| 1,1,2-Trichloroethane                                                                        | ND     |           | ug/kg | 1.0  | --  |
| Tetrachloroethene                                                                            | ND     |           | ug/kg | 0.50 | --  |
| Chlorobenzene                                                                                | ND     |           | ug/kg | 0.50 | --  |
| Trichlorofluoromethane                                                                       | ND     |           | ug/kg | 4.0  | --  |
| 1,2-Dichloroethane                                                                           | ND     |           | ug/kg | 1.0  | --  |
| 1,1,1-Trichloroethane                                                                        | ND     |           | ug/kg | 0.50 | --  |
| Bromodichloromethane                                                                         | ND     |           | ug/kg | 0.50 | --  |
| trans-1,3-Dichloropropene                                                                    | ND     |           | ug/kg | 1.0  | --  |
| cis-1,3-Dichloropropene                                                                      | ND     |           | ug/kg | 0.50 | --  |
| 1,3-Dichloropropene, Total                                                                   | ND     |           | ug/kg | 0.50 | --  |
| 1,1-Dichloropropene                                                                          | ND     |           | ug/kg | 0.50 | --  |
| Bromoform                                                                                    | ND     |           | ug/kg | 4.0  | --  |
| 1,1,2,2-Tetrachloroethane                                                                    | ND     |           | ug/kg | 0.50 | --  |
| Benzene                                                                                      | ND     |           | ug/kg | 0.50 | --  |
| Toluene                                                                                      | ND     |           | ug/kg | 1.0  | --  |
| Ethylbenzene                                                                                 | ND     |           | ug/kg | 1.0  | --  |
| Chloromethane                                                                                | ND     |           | ug/kg | 4.0  | --  |
| Bromomethane                                                                                 | ND     |           | ug/kg | 2.0  | --  |
| Vinyl chloride                                                                               | ND     |           | ug/kg | 1.0  | --  |
| Chloroethane                                                                                 | ND     |           | ug/kg | 2.0  | --  |
| 1,1-Dichloroethene                                                                           | ND     |           | ug/kg | 1.0  | --  |
| trans-1,2-Dichloroethene                                                                     | ND     |           | ug/kg | 1.5  | --  |
| Trichloroethene                                                                              | ND     |           | ug/kg | 0.50 | --  |

Project Name: TRURO DPW

Lab Number: L2439378

Project Number: TRU250.P2

Report Date: 07/19/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 141,8260D  
 Analytical Date: 07/16/24 08:29  
 Analyst: AJK

| Parameter                                                                                    | Result | Qualifier | Units | RL   | MDL |
|----------------------------------------------------------------------------------------------|--------|-----------|-------|------|-----|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 08 Batch: WG1947524-5 |        |           |       |      |     |
| 1,2-Dichlorobenzene                                                                          | ND     |           | ug/kg | 2.0  | --  |
| 1,3-Dichlorobenzene                                                                          | ND     |           | ug/kg | 2.0  | --  |
| 1,4-Dichlorobenzene                                                                          | ND     |           | ug/kg | 2.0  | --  |
| Methyl tert butyl ether                                                                      | ND     |           | ug/kg | 2.0  | --  |
| p/m-Xylene                                                                                   | ND     |           | ug/kg | 2.0  | --  |
| o-Xylene                                                                                     | ND     |           | ug/kg | 1.0  | --  |
| Xylenes, Total                                                                               | ND     |           | ug/kg | 1.0  | --  |
| cis-1,2-Dichloroethene                                                                       | ND     |           | ug/kg | 1.0  | --  |
| 1,2-Dichloroethene, Total                                                                    | ND     |           | ug/kg | 1.0  | --  |
| Dibromomethane                                                                               | ND     |           | ug/kg | 2.0  | --  |
| 1,2,3-Trichloropropane                                                                       | ND     |           | ug/kg | 2.0  | --  |
| Styrene                                                                                      | ND     |           | ug/kg | 1.0  | --  |
| Dichlorodifluoromethane                                                                      | ND     |           | ug/kg | 10   | --  |
| Acetone                                                                                      | ND     |           | ug/kg | 25   | --  |
| Carbon disulfide                                                                             | ND     |           | ug/kg | 10   | --  |
| Methyl ethyl ketone                                                                          | ND     |           | ug/kg | 10   | --  |
| Methyl isobutyl ketone                                                                       | ND     |           | ug/kg | 10   | --  |
| 2-Hexanone                                                                                   | ND     |           | ug/kg | 10   | --  |
| Bromochloromethane                                                                           | ND     |           | ug/kg | 2.0  | --  |
| Tetrahydrofuran                                                                              | ND     |           | ug/kg | 4.0  | --  |
| 2,2-Dichloropropane                                                                          | ND     |           | ug/kg | 2.0  | --  |
| 1,2-Dibromoethane                                                                            | ND     |           | ug/kg | 1.0  | --  |
| 1,3-Dichloropropane                                                                          | ND     |           | ug/kg | 2.0  | --  |
| 1,1,1,2-Tetrachloroethane                                                                    | ND     |           | ug/kg | 0.50 | --  |
| Bromobenzene                                                                                 | ND     |           | ug/kg | 2.0  | --  |
| n-Butylbenzene                                                                               | ND     |           | ug/kg | 1.0  | --  |
| sec-Butylbenzene                                                                             | ND     |           | ug/kg | 1.0  | --  |
| tert-Butylbenzene                                                                            | ND     |           | ug/kg | 2.0  | --  |
| o-Chlorotoluene                                                                              | ND     |           | ug/kg | 2.0  | --  |



**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439378  
**Report Date:** 07/19/24

### Method Blank Analysis Batch Quality Control

**Analytical Method:** 141,8260D  
**Analytical Date:** 07/16/24 08:29  
**Analyst:** AJK

| Parameter                                                                                    | Result | Qualifier | Units | RL  | MDL |
|----------------------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 08 Batch: WG1947524-5 |        |           |       |     |     |
| p-Chlorotoluene                                                                              | ND     |           | ug/kg | 2.0 | --  |
| 1,2-Dibromo-3-chloropropane                                                                  | ND     |           | ug/kg | 3.0 | --  |
| Hexachlorobutadiene                                                                          | ND     |           | ug/kg | 4.0 | --  |
| Isopropylbenzene                                                                             | ND     |           | ug/kg | 1.0 | --  |
| p-Isopropyltoluene                                                                           | ND     |           | ug/kg | 1.0 | --  |
| Naphthalene                                                                                  | ND     |           | ug/kg | 4.0 | --  |
| n-Propylbenzene                                                                              | ND     |           | ug/kg | 1.0 | --  |
| 1,2,3-Trichlorobenzene                                                                       | ND     |           | ug/kg | 2.0 | --  |
| 1,2,4-Trichlorobenzene                                                                       | ND     |           | ug/kg | 2.0 | --  |
| 1,3,5-Trimethylbenzene                                                                       | ND     |           | ug/kg | 2.0 | --  |
| 1,2,4-Trimethylbenzene                                                                       | ND     |           | ug/kg | 2.0 | --  |
| Diethyl ether                                                                                | ND     |           | ug/kg | 2.0 | --  |
| Diisopropyl Ether                                                                            | ND     |           | ug/kg | 2.0 | --  |
| Ethyl-Tert-Butyl-Ether                                                                       | ND     |           | ug/kg | 2.0 | --  |
| Tertiary-Amyl Methyl Ether                                                                   | ND     |           | ug/kg | 2.0 | --  |
| 1,4-Dioxane                                                                                  | ND     |           | ug/kg | 80  | --  |

| Surrogate             | %Recovery | Qualifier | Acceptance Criteria |
|-----------------------|-----------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 114       |           | 70-130              |
| Toluene-d8            | 100       |           | 70-130              |
| 4-Bromofluorobenzene  | 90        |           | 70-130              |
| Dibromofluoromethane  | 106       |           | 70-130              |

Project Name: TRURO DPW

Lab Number: L2439378

Project Number: TRU250.P2

Report Date: 07/19/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 141,8260D  
 Analytical Date: 07/15/24 11:10  
 Analyst: AJK

| Parameter                                                                                    | Result | Qualifier | Units | RL   | MDL |
|----------------------------------------------------------------------------------------------|--------|-----------|-------|------|-----|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 09 Batch: WG1947586-5 |        |           |       |      |     |
| Methylene chloride                                                                           | ND     |           | ug/kg | 5.0  | --  |
| 1,1-Dichloroethane                                                                           | ND     |           | ug/kg | 1.0  | --  |
| Chloroform                                                                                   | 2.0    |           | ug/kg | 1.5  | --  |
| Carbon tetrachloride                                                                         | ND     |           | ug/kg | 1.0  | --  |
| 1,2-Dichloropropane                                                                          | ND     |           | ug/kg | 1.0  | --  |
| Dibromochloromethane                                                                         | ND     |           | ug/kg | 1.0  | --  |
| 1,1,2-Trichloroethane                                                                        | ND     |           | ug/kg | 1.0  | --  |
| Tetrachloroethene                                                                            | ND     |           | ug/kg | 0.50 | --  |
| Chlorobenzene                                                                                | ND     |           | ug/kg | 0.50 | --  |
| Trichlorofluoromethane                                                                       | ND     |           | ug/kg | 4.0  | --  |
| 1,2-Dichloroethane                                                                           | ND     |           | ug/kg | 1.0  | --  |
| 1,1,1-Trichloroethane                                                                        | ND     |           | ug/kg | 0.50 | --  |
| Bromodichloromethane                                                                         | ND     |           | ug/kg | 0.50 | --  |
| trans-1,3-Dichloropropene                                                                    | ND     |           | ug/kg | 1.0  | --  |
| cis-1,3-Dichloropropene                                                                      | ND     |           | ug/kg | 0.50 | --  |
| 1,3-Dichloropropene, Total                                                                   | ND     |           | ug/kg | 0.50 | --  |
| 1,1-Dichloropropene                                                                          | ND     |           | ug/kg | 0.50 | --  |
| Bromoform                                                                                    | ND     |           | ug/kg | 4.0  | --  |
| 1,1,2,2-Tetrachloroethane                                                                    | ND     |           | ug/kg | 0.50 | --  |
| Benzene                                                                                      | ND     |           | ug/kg | 0.50 | --  |
| Toluene                                                                                      | ND     |           | ug/kg | 1.0  | --  |
| Ethylbenzene                                                                                 | ND     |           | ug/kg | 1.0  | --  |
| Chloromethane                                                                                | ND     |           | ug/kg | 4.0  | --  |
| Bromomethane                                                                                 | ND     |           | ug/kg | 2.0  | --  |
| Vinyl chloride                                                                               | ND     |           | ug/kg | 1.0  | --  |
| Chloroethane                                                                                 | ND     |           | ug/kg | 2.0  | --  |
| 1,1-Dichloroethene                                                                           | ND     |           | ug/kg | 1.0  | --  |
| trans-1,2-Dichloroethene                                                                     | ND     |           | ug/kg | 1.5  | --  |
| Trichloroethene                                                                              | ND     |           | ug/kg | 0.50 | --  |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439378  
**Report Date:** 07/19/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 141,8260D  
 Analytical Date: 07/15/24 11:10  
 Analyst: AJK

| Parameter                                                                                    | Result | Qualifier | Units | RL   | MDL |
|----------------------------------------------------------------------------------------------|--------|-----------|-------|------|-----|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 09 Batch: WG1947586-5 |        |           |       |      |     |
| 1,2-Dichlorobenzene                                                                          | ND     |           | ug/kg | 2.0  | --  |
| 1,3-Dichlorobenzene                                                                          | ND     |           | ug/kg | 2.0  | --  |
| 1,4-Dichlorobenzene                                                                          | ND     |           | ug/kg | 2.0  | --  |
| Methyl tert butyl ether                                                                      | ND     |           | ug/kg | 2.0  | --  |
| p/m-Xylene                                                                                   | ND     |           | ug/kg | 2.0  | --  |
| o-Xylene                                                                                     | ND     |           | ug/kg | 1.0  | --  |
| Xylenes, Total                                                                               | ND     |           | ug/kg | 1.0  | --  |
| cis-1,2-Dichloroethene                                                                       | ND     |           | ug/kg | 1.0  | --  |
| 1,2-Dichloroethene, Total                                                                    | ND     |           | ug/kg | 1.0  | --  |
| Dibromomethane                                                                               | ND     |           | ug/kg | 2.0  | --  |
| 1,2,3-Trichloropropane                                                                       | ND     |           | ug/kg | 2.0  | --  |
| Styrene                                                                                      | ND     |           | ug/kg | 1.0  | --  |
| Dichlorodifluoromethane                                                                      | ND     |           | ug/kg | 10   | --  |
| Acetone                                                                                      | ND     |           | ug/kg | 25   | --  |
| Carbon disulfide                                                                             | ND     |           | ug/kg | 10   | --  |
| Methyl ethyl ketone                                                                          | ND     |           | ug/kg | 10   | --  |
| Methyl isobutyl ketone                                                                       | ND     |           | ug/kg | 10   | --  |
| 2-Hexanone                                                                                   | ND     |           | ug/kg | 10   | --  |
| Bromochloromethane                                                                           | ND     |           | ug/kg | 2.0  | --  |
| Tetrahydrofuran                                                                              | ND     |           | ug/kg | 4.0  | --  |
| 2,2-Dichloropropane                                                                          | ND     |           | ug/kg | 2.0  | --  |
| 1,2-Dibromoethane                                                                            | ND     |           | ug/kg | 1.0  | --  |
| 1,3-Dichloropropane                                                                          | ND     |           | ug/kg | 2.0  | --  |
| 1,1,1,2-Tetrachloroethane                                                                    | ND     |           | ug/kg | 0.50 | --  |
| Bromobenzene                                                                                 | ND     |           | ug/kg | 2.0  | --  |
| n-Butylbenzene                                                                               | ND     |           | ug/kg | 1.0  | --  |
| sec-Butylbenzene                                                                             | ND     |           | ug/kg | 1.0  | --  |
| tert-Butylbenzene                                                                            | ND     |           | ug/kg | 2.0  | --  |
| o-Chlorotoluene                                                                              | ND     |           | ug/kg | 2.0  | --  |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439378  
**Report Date:** 07/19/24

### Method Blank Analysis Batch Quality Control

**Analytical Method:** 141,8260D  
**Analytical Date:** 07/15/24 11:10  
**Analyst:** AJK

| Parameter                                                                                    | Result | Qualifier | Units | RL  | MDL |
|----------------------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 09 Batch: WG1947586-5 |        |           |       |     |     |
| p-Chlorotoluene                                                                              | ND     |           | ug/kg | 2.0 | --  |
| 1,2-Dibromo-3-chloropropane                                                                  | ND     |           | ug/kg | 3.0 | --  |
| Hexachlorobutadiene                                                                          | ND     |           | ug/kg | 4.0 | --  |
| Isopropylbenzene                                                                             | ND     |           | ug/kg | 1.0 | --  |
| p-Isopropyltoluene                                                                           | ND     |           | ug/kg | 1.0 | --  |
| Naphthalene                                                                                  | ND     |           | ug/kg | 4.0 | --  |
| n-Propylbenzene                                                                              | ND     |           | ug/kg | 1.0 | --  |
| 1,2,3-Trichlorobenzene                                                                       | ND     |           | ug/kg | 2.0 | --  |
| 1,2,4-Trichlorobenzene                                                                       | ND     |           | ug/kg | 2.0 | --  |
| 1,3,5-Trimethylbenzene                                                                       | ND     |           | ug/kg | 2.0 | --  |
| 1,2,4-Trimethylbenzene                                                                       | ND     |           | ug/kg | 2.0 | --  |
| Diethyl ether                                                                                | ND     |           | ug/kg | 2.0 | --  |
| Diisopropyl Ether                                                                            | ND     |           | ug/kg | 2.0 | --  |
| Ethyl-Tert-Butyl-Ether                                                                       | ND     |           | ug/kg | 2.0 | --  |
| Tertiary-Amyl Methyl Ether                                                                   | ND     |           | ug/kg | 2.0 | --  |
| 1,4-Dioxane                                                                                  | ND     |           | ug/kg | 80  | --  |

| Surrogate             | %Recovery | Qualifier | Acceptance Criteria |
|-----------------------|-----------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 117       |           | 70-130              |
| Toluene-d8            | 105       |           | 70-130              |
| 4-Bromofluorobenzene  | 105       |           | 70-130              |
| Dibromofluoromethane  | 99        |           | 70-130              |



Project Name: TRURO DPW

Lab Number: L2439378

Project Number: TRU250.P2

Report Date: 07/19/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 141,8260D  
 Analytical Date: 07/15/24 11:57  
 Analyst: AJK

| Parameter                                                                                          | Result | Qualifier | Units | RL   | MDL |
|----------------------------------------------------------------------------------------------------|--------|-----------|-------|------|-----|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03-07 Batch: WG1947626-5 |        |           |       |      |     |
| Methylene chloride                                                                                 | ND     |           | ug/kg | 5.0  | --  |
| 1,1-Dichloroethane                                                                                 | ND     |           | ug/kg | 1.0  | --  |
| Chloroform                                                                                         | ND     |           | ug/kg | 1.5  | --  |
| Carbon tetrachloride                                                                               | ND     |           | ug/kg | 1.0  | --  |
| 1,2-Dichloropropane                                                                                | ND     |           | ug/kg | 1.0  | --  |
| Dibromochloromethane                                                                               | ND     |           | ug/kg | 1.0  | --  |
| 1,1,2-Trichloroethane                                                                              | ND     |           | ug/kg | 1.0  | --  |
| Tetrachloroethene                                                                                  | ND     |           | ug/kg | 0.50 | --  |
| Chlorobenzene                                                                                      | ND     |           | ug/kg | 0.50 | --  |
| Trichlorofluoromethane                                                                             | ND     |           | ug/kg | 4.0  | --  |
| 1,2-Dichloroethane                                                                                 | ND     |           | ug/kg | 1.0  | --  |
| 1,1,1-Trichloroethane                                                                              | ND     |           | ug/kg | 0.50 | --  |
| Bromodichloromethane                                                                               | ND     |           | ug/kg | 0.50 | --  |
| trans-1,3-Dichloropropene                                                                          | ND     |           | ug/kg | 1.0  | --  |
| cis-1,3-Dichloropropene                                                                            | ND     |           | ug/kg | 0.50 | --  |
| 1,3-Dichloropropene, Total                                                                         | ND     |           | ug/kg | 0.50 | --  |
| 1,1-Dichloropropene                                                                                | ND     |           | ug/kg | 0.50 | --  |
| Bromoform                                                                                          | ND     |           | ug/kg | 4.0  | --  |
| 1,1,1,2-Tetrachloroethane                                                                          | ND     |           | ug/kg | 0.50 | --  |
| Benzene                                                                                            | ND     |           | ug/kg | 0.50 | --  |
| Toluene                                                                                            | ND     |           | ug/kg | 1.0  | --  |
| Ethylbenzene                                                                                       | ND     |           | ug/kg | 1.0  | --  |
| Chloromethane                                                                                      | ND     |           | ug/kg | 4.0  | --  |
| Bromomethane                                                                                       | ND     |           | ug/kg | 2.0  | --  |
| Vinyl chloride                                                                                     | ND     |           | ug/kg | 1.0  | --  |
| Chloroethane                                                                                       | ND     |           | ug/kg | 2.0  | --  |
| 1,1-Dichloroethene                                                                                 | ND     |           | ug/kg | 1.0  | --  |
| trans-1,2-Dichloroethene                                                                           | ND     |           | ug/kg | 1.5  | --  |
| Trichloroethene                                                                                    | ND     |           | ug/kg | 0.50 | --  |

Project Name: TRURO DPW

Project Number: TRU250.P2

Lab Number: L2439378

Report Date: 07/19/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 141,8260D  
 Analytical Date: 07/15/24 11:57  
 Analyst: AJK

| Parameter                                                                                          | Result | Qualifier | Units | RL   | MDL |
|----------------------------------------------------------------------------------------------------|--------|-----------|-------|------|-----|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03-07 Batch: WG1947626-5 |        |           |       |      |     |
| 1,2-Dichlorobenzene                                                                                | ND     |           | ug/kg | 2.0  | --  |
| 1,3-Dichlorobenzene                                                                                | ND     |           | ug/kg | 2.0  | --  |
| 1,4-Dichlorobenzene                                                                                | ND     |           | ug/kg | 2.0  | --  |
| Methyl tert butyl ether                                                                            | ND     |           | ug/kg | 2.0  | --  |
| p/m-Xylene                                                                                         | ND     |           | ug/kg | 2.0  | --  |
| o-Xylene                                                                                           | ND     |           | ug/kg | 1.0  | --  |
| Xylenes, Total                                                                                     | ND     |           | ug/kg | 1.0  | --  |
| cis-1,2-Dichloroethene                                                                             | ND     |           | ug/kg | 1.0  | --  |
| 1,2-Dichloroethene, Total                                                                          | ND     |           | ug/kg | 1.0  | --  |
| Dibromomethane                                                                                     | ND     |           | ug/kg | 2.0  | --  |
| 1,2,3-Trichloropropane                                                                             | ND     |           | ug/kg | 2.0  | --  |
| Styrene                                                                                            | ND     |           | ug/kg | 1.0  | --  |
| Dichlorodifluoromethane                                                                            | ND     |           | ug/kg | 10   | --  |
| Acetone                                                                                            | ND     |           | ug/kg | 25   | --  |
| Carbon disulfide                                                                                   | ND     |           | ug/kg | 10   | --  |
| Methyl ethyl ketone                                                                                | ND     |           | ug/kg | 10   | --  |
| Methyl isobutyl ketone                                                                             | ND     |           | ug/kg | 10   | --  |
| 2-Hexanone                                                                                         | ND     |           | ug/kg | 10   | --  |
| Bromochloromethane                                                                                 | ND     |           | ug/kg | 2.0  | --  |
| Tetrahydrofuran                                                                                    | ND     |           | ug/kg | 4.0  | --  |
| 2,2-Dichloropropane                                                                                | ND     |           | ug/kg | 2.0  | --  |
| 1,2-Dibromoethane                                                                                  | ND     |           | ug/kg | 1.0  | --  |
| 1,3-Dichloropropane                                                                                | ND     |           | ug/kg | 2.0  | --  |
| 1,1,1,2-Tetrachloroethane                                                                          | ND     |           | ug/kg | 0.50 | --  |
| Bromobenzene                                                                                       | ND     |           | ug/kg | 2.0  | --  |
| n-Butylbenzene                                                                                     | ND     |           | ug/kg | 1.0  | --  |
| sec-Butylbenzene                                                                                   | ND     |           | ug/kg | 1.0  | --  |
| tert-Butylbenzene                                                                                  | ND     |           | ug/kg | 2.0  | --  |
| o-Chlorotoluene                                                                                    | ND     |           | ug/kg | 2.0  | --  |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439378  
**Report Date:** 07/19/24

### Method Blank Analysis Batch Quality Control

**Analytical Method:** 141,8260D  
**Analytical Date:** 07/15/24 11:57  
**Analyst:** AJK

| Parameter                                                                                          | Result | Qualifier | Units | RL  | MDL |
|----------------------------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03-07 Batch: WG1947626-5 |        |           |       |     |     |
| p-Chlorotoluene                                                                                    | ND     |           | ug/kg | 2.0 | --  |
| 1,2-Dibromo-3-chloropropane                                                                        | ND     |           | ug/kg | 3.0 | --  |
| Hexachlorobutadiene                                                                                | ND     |           | ug/kg | 4.0 | --  |
| Isopropylbenzene                                                                                   | ND     |           | ug/kg | 1.0 | --  |
| p-Isopropyltoluene                                                                                 | ND     |           | ug/kg | 1.0 | --  |
| Naphthalene                                                                                        | ND     |           | ug/kg | 4.0 | --  |
| n-Propylbenzene                                                                                    | ND     |           | ug/kg | 1.0 | --  |
| 1,2,3-Trichlorobenzene                                                                             | ND     |           | ug/kg | 2.0 | --  |
| 1,2,4-Trichlorobenzene                                                                             | ND     |           | ug/kg | 2.0 | --  |
| 1,3,5-Trimethylbenzene                                                                             | ND     |           | ug/kg | 2.0 | --  |
| 1,2,4-Trimethylbenzene                                                                             | ND     |           | ug/kg | 2.0 | --  |
| Diethyl ether                                                                                      | ND     |           | ug/kg | 2.0 | --  |
| Diisopropyl Ether                                                                                  | ND     |           | ug/kg | 2.0 | --  |
| Ethyl-Tert-Butyl-Ether                                                                             | ND     |           | ug/kg | 2.0 | --  |
| Tertiary-Amyl Methyl Ether                                                                         | ND     |           | ug/kg | 2.0 | --  |
| 1,4-Dioxane                                                                                        | ND     |           | ug/kg | 80  | --  |

| Surrogate             | %Recovery | Qualifier | Acceptance Criteria |
|-----------------------|-----------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 104       |           | 70-130              |
| Toluene-d8            | 99        |           | 70-130              |
| 4-Bromofluorobenzene  | 101       |           | 70-130              |
| Dibromofluoromethane  | 106       |           | 70-130              |

# **Lab Control Sample Analysis** **Batch Quality Control**

Project Name: TRURO DPW

Project Number: TRU250.P2

Lab Number: L2439378

Report Date: 07/19/24

| Parameter                                                                                                       | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 08 Batch: WG1947524-3 WG1947524-4 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride                                                                                              | 111              |      | 104               |      | 70-130              | 7   |      | 20            |
| 1,1-Dichloroethane                                                                                              | 108              |      | 100               |      | 70-130              | 8   |      | 20            |
| Chloroform                                                                                                      | 106              |      | 101               |      | 70-130              | 5   |      | 20            |
| Carbon tetrachloride                                                                                            | 111              |      | 103               |      | 70-130              | 7   |      | 20            |
| 1,2-Dichloropropane                                                                                             | 102              |      | 96                |      | 70-130              | 6   |      | 20            |
| Dibromochloromethane                                                                                            | 105              |      | 102               |      | 70-130              | 3   |      | 20            |
| 1,1,2-Trichloroethane                                                                                           | 101              |      | 97                |      | 70-130              | 4   |      | 20            |
| Tetrachloroethene                                                                                               | 112              |      | 103               |      | 70-130              | 8   |      | 20            |
| Chlorobenzene                                                                                                   | 103              |      | 96                |      | 70-130              | 7   |      | 20            |
| Trichlorofluoromethane                                                                                          | 107              |      | 112               |      | 70-130              | 5   |      | 20            |
| 1,2-Dichloroethane                                                                                              | 112              |      | 106               |      | 70-130              | 6   |      | 20            |
| 1,1,1-Trichloroethane                                                                                           | 116              |      | 108               |      | 70-130              | 7   |      | 20            |
| Bromodichloromethane                                                                                            | 106              |      | 102               |      | 70-130              | 4   |      | 20            |
| trans-1,3-Dichloropropene                                                                                       | 105              |      | 101               |      | 70-130              | 4   |      | 20            |
| cis-1,3-Dichloropropene                                                                                         | 104              |      | 100               |      | 70-130              | 4   |      | 20            |
| 1,1-Dichloropropene                                                                                             | 114              |      | 104               |      | 70-130              | 9   |      | 20            |
| Bromoform                                                                                                       | 103              |      | 102               |      | 70-130              | 1   |      | 20            |
| 1,1,2,2-Tetrachloroethane                                                                                       | 102              |      | 99                |      | 70-130              | 3   |      | 20            |
| Benzene                                                                                                         | 104              |      | 98                |      | 70-130              | 6   |      | 20            |
| Toluene                                                                                                         | 107              |      | 99                |      | 70-130              | 8   |      | 20            |
| Ethylbenzene                                                                                                    | 103              |      | 95                |      | 70-130              | 8   |      | 20            |
| Chloromethane                                                                                                   | 114              |      | 104               |      | 70-130              | 9   |      | 20            |
| Bromomethane                                                                                                    | 108              |      | 117               |      | 70-130              | 8   |      | 20            |



# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** TRURO DPW

**Project Number:** TRU250.P2

**Lab Number:** L2439378

**Report Date:** 07/19/24

| Parameter                                                                                                       | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 08 Batch: WG1947524-3 WG1947524-4 |                  |      |                   |      |                     |     |      |               |
| Vinyl chloride                                                                                                  | 111              |      | 108               |      | 70-130              | 3   |      | 20            |
| Chloroethane                                                                                                    | 82               |      | 83                |      | 70-130              | 1   |      | 20            |
| 1,1-Dichloroethene                                                                                              | 108              |      | 99                |      | 70-130              | 9   |      | 20            |
| trans-1,2-Dichloroethene                                                                                        | 105              |      | 98                |      | 70-130              | 7   |      | 20            |
| Trichloroethene                                                                                                 | 108              |      | 101               |      | 70-130              | 7   |      | 20            |
| 1,2-Dichlorobenzene                                                                                             | 102              |      | 98                |      | 70-130              | 4   |      | 20            |
| 1,3-Dichlorobenzene                                                                                             | 106              |      | 100               |      | 70-130              | 6   |      | 20            |
| 1,4-Dichlorobenzene                                                                                             | 103              |      | 97                |      | 70-130              | 6   |      | 20            |
| Methyl tert butyl ether                                                                                         | 114              |      | 111               |      | 70-130              | 3   |      | 20            |
| p/m-Xylene                                                                                                      | 104              |      | 97                |      | 70-130              | 7   |      | 20            |
| o-Xylene                                                                                                        | 102              |      | 96                |      | 70-130              | 6   |      | 20            |
| cis-1,2-Dichloroethene                                                                                          | 101              |      | 95                |      | 70-130              | 6   |      | 20            |
| Dibromomethane                                                                                                  | 103              |      | 100               |      | 70-130              | 3   |      | 20            |
| 1,2,3-Trichloropropane                                                                                          | 102              |      | 98                |      | 70-130              | 4   |      | 20            |
| Styrene                                                                                                         | 108              |      | 102               |      | 70-130              | 6   |      | 20            |
| Dichlorodifluoromethane                                                                                         | 117              |      | 106               |      | 70-130              | 10  |      | 20            |
| Acetone                                                                                                         | 106              |      | 103               |      | 70-130              | 3   |      | 20            |
| Carbon disulfide                                                                                                | 104              |      | 94                |      | 70-130              | 10  |      | 20            |
| Methyl ethyl ketone                                                                                             | 95               |      | 97                |      | 70-130              | 2   |      | 20            |
| Methyl isobutyl ketone                                                                                          | 99               |      | 99                |      | 70-130              | 0   |      | 20            |
| 2-Hexanone                                                                                                      | 102              |      | 99                |      | 70-130              | 3   |      | 20            |
| Bromochloromethane                                                                                              | 105              |      | 101               |      | 70-130              | 4   |      | 20            |
| Tetrahydrofuran                                                                                                 | 120              |      | 120               |      | 70-130              | 0   |      | 20            |

# **Lab Control Sample Analysis** **Batch Quality Control**

Project Name: TRURO DPW

Project Number: TRU250.P2

Lab Number: L2439378

Report Date: 07/19/24

| Parameter                                                                                                       | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 08 Batch: WG1947524-3 WG1947524-4 |                  |      |                   |      |                     |     |      |               |
| 2,2-Dichloropropane                                                                                             | 111              |      | 102               |      | 70-130              | 8   |      | 20            |
| 1,2-Dibromoethane                                                                                               | 105              |      | 102               |      | 70-130              | 3   |      | 20            |
| 1,3-Dichloropropane                                                                                             | 102              |      | 98                |      | 70-130              | 4   |      | 20            |
| 1,1,1,2-Tetrachloroethane                                                                                       | 105              |      | 100               |      | 70-130              | 5   |      | 20            |
| Bromobenzene                                                                                                    | 98               |      | 93                |      | 70-130              | 5   |      | 20            |
| n-Butylbenzene                                                                                                  | 113              |      | 103               |      | 70-130              | 9   |      | 20            |
| sec-Butylbenzene                                                                                                | 106              |      | 96                |      | 70-130              | 10  |      | 20            |
| tert-Butylbenzene                                                                                               | 102              |      | 95                |      | 70-130              | 7   |      | 20            |
| o-Chlorotoluene                                                                                                 | 104              |      | 107               |      | 70-130              | 3   |      | 20            |
| p-Chlorotoluene                                                                                                 | 105              |      | 97                |      | 70-130              | 8   |      | 20            |
| 1,2-Dibromo-3-chloropropane                                                                                     | 97               |      | 98                |      | 70-130              | 1   |      | 20            |
| Hexachlorobutadiene                                                                                             | 105              |      | 99                |      | 70-130              | 6   |      | 20            |
| Isopropylbenzene                                                                                                | 103              |      | 94                |      | 70-130              | 9   |      | 20            |
| p-Isopropyltoluene                                                                                              | 105              |      | 97                |      | 70-130              | 8   |      | 20            |
| Naphthalene                                                                                                     | 98               |      | 95                |      | 70-130              | 3   |      | 20            |
| n-Propylbenzene                                                                                                 | 106              |      | 97                |      | 70-130              | 9   |      | 20            |
| 1,2,3-Trichlorobenzene                                                                                          | 104              |      | 102               |      | 70-130              | 2   |      | 20            |
| 1,2,4-Trichlorobenzene                                                                                          | 108              |      | 103               |      | 70-130              | 5   |      | 20            |
| 1,3,5-Trimethylbenzene                                                                                          | 103              |      | 95                |      | 70-130              | 8   |      | 20            |
| 1,2,4-Trimethylbenzene                                                                                          | 101              |      | 93                |      | 70-130              | 8   |      | 20            |
| Diethyl ether                                                                                                   | 117              |      | 113               |      | 70-130              | 3   |      | 20            |
| Diisopropyl Ether                                                                                               | 105              |      | 99                |      | 70-130              | 6   |      | 20            |
| Ethyl-Tert-Butyl-Ether                                                                                          | 103              |      | 100               |      | 70-130              | 3   |      | 20            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU250.P2

Lab Number: L2439378

Report Date: 07/19/24

| Parameter                                                                                                       | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 08 Batch: WG1947524-3 WG1947524-4 |                  |      |                   |      |                     |     |      |               |
| Tertiary-Amyl Methyl Ether                                                                                      | 98               |      | 95                |      | 70-130              | 3   |      | 20            |
| 1,4-Dioxane                                                                                                     | 90               |      | 91                |      | 70-130              | 1   |      | 20            |

| Surrogate             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|-----------------------|------------------|------|-------------------|------|------------------------|
| 1,2-Dichloroethane-d4 | 113              |      | 113               |      | 70-130                 |
| Toluene-d8            | 101              |      | 99                |      | 70-130                 |
| 4-Bromofluorobenzene  | 96               |      | 93                |      | 70-130                 |
| Dibromofluoromethane  | 105              |      | 106               |      | 70-130                 |

# **Lab Control Sample Analysis** **Batch Quality Control**

Project Name: TRURO DPW

Project Number: TRU250.P2

Lab Number: L2439378

Report Date: 07/19/24

| Parameter                                                                                                       | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 09 Batch: WG1947586-3 WG1947586-4 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride                                                                                              | 97               |      | 97                |      | 70-130              | 0   |      | 20            |
| 1,1-Dichloroethane                                                                                              | 118              |      | 118               |      | 70-130              | 0   |      | 20            |
| Chloroform                                                                                                      | 114              |      | 113               |      | 70-130              | 1   |      | 20            |
| Carbon tetrachloride                                                                                            | 105              |      | 106               |      | 70-130              | 1   |      | 20            |
| 1,2-Dichloropropane                                                                                             | 114              |      | 114               |      | 70-130              | 0   |      | 20            |
| Dibromochloromethane                                                                                            | 103              |      | 102               |      | 70-130              | 1   |      | 20            |
| 1,1,2-Trichloroethane                                                                                           | 118              |      | 114               |      | 70-130              | 3   |      | 20            |
| Tetrachloroethene                                                                                               | 105              |      | 105               |      | 70-130              | 0   |      | 20            |
| Chlorobenzene                                                                                                   | 110              |      | 108               |      | 70-130              | 2   |      | 20            |
| Trichlorofluoromethane                                                                                          | 105              |      | 103               |      | 70-130              | 2   |      | 20            |
| 1,2-Dichloroethane                                                                                              | 114              |      | 113               |      | 70-130              | 1   |      | 20            |
| 1,1,1-Trichloroethane                                                                                           | 116              |      | 115               |      | 70-130              | 1   |      | 20            |
| Bromodichloromethane                                                                                            | 107              |      | 106               |      | 70-130              | 1   |      | 20            |
| trans-1,3-Dichloropropene                                                                                       | 126              |      | 122               |      | 70-130              | 3   |      | 20            |
| cis-1,3-Dichloropropene                                                                                         | 111              |      | 112               |      | 70-130              | 1   |      | 20            |
| 1,1-Dichloropropene                                                                                             | 114              |      | 114               |      | 70-130              | 0   |      | 20            |
| Bromoform                                                                                                       | 94               |      | 90                |      | 70-130              | 4   |      | 20            |
| 1,1,2,2-Tetrachloroethane                                                                                       | 116              |      | 115               |      | 70-130              | 1   |      | 20            |
| Benzene                                                                                                         | 114              |      | 114               |      | 70-130              | 0   |      | 20            |
| Toluene                                                                                                         | 112              |      | 111               |      | 70-130              | 1   |      | 20            |
| Ethylbenzene                                                                                                    | 118              |      | 116               |      | 70-130              | 2   |      | 20            |
| Chloromethane                                                                                                   | 108              |      | 109               |      | 70-130              | 1   |      | 20            |
| Bromomethane                                                                                                    | 94               |      | 95                |      | 70-130              | 1   |      | 20            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU250.P2

Lab Number: L2439378

Report Date: 07/19/24

| Parameter                                                                                                       | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 09 Batch: WG1947586-3 WG1947586-4 |                  |      |                   |      |                     |     |      |               |
| Vinyl chloride                                                                                                  | 110              |      | 108               |      | 70-130              | 2   |      | 20            |
| Chloroethane                                                                                                    | 110              |      | 107               |      | 70-130              | 3   |      | 20            |
| 1,1-Dichloroethene                                                                                              | 103              |      | 102               |      | 70-130              | 1   |      | 20            |
| trans-1,2-Dichloroethene                                                                                        | 104              |      | 113               |      | 70-130              | 8   |      | 20            |
| Trichloroethene                                                                                                 | 113              |      | 112               |      | 70-130              | 1   |      | 20            |
| 1,2-Dichlorobenzene                                                                                             | 111              |      | 110               |      | 70-130              | 1   |      | 20            |
| 1,3-Dichlorobenzene                                                                                             | 113              |      | 109               |      | 70-130              | 4   |      | 20            |
| 1,4-Dichlorobenzene                                                                                             | 111              |      | 110               |      | 70-130              | 1   |      | 20            |
| Methyl tert butyl ether                                                                                         | 105              |      | 140               | Q    | 70-130              | 29  | Q    | 20            |
| p/m-Xylene                                                                                                      | 114              |      | 111               |      | 70-130              | 3   |      | 20            |
| o-Xylene                                                                                                        | 109              |      | 109               |      | 70-130              | 0   |      | 20            |
| cis-1,2-Dichloroethene                                                                                          | 108              |      | 108               |      | 70-130              | 0   |      | 20            |
| Dibromomethane                                                                                                  | 105              |      | 107               |      | 70-130              | 2   |      | 20            |
| 1,2,3-Trichloropropane                                                                                          | 114              |      | 112               |      | 70-130              | 2   |      | 20            |
| Styrene                                                                                                         | 114              |      | 114               |      | 70-130              | 0   |      | 20            |
| Dichlorodifluoromethane                                                                                         | 102              |      | 101               |      | 70-130              | 1   |      | 20            |
| Acetone                                                                                                         | 102              |      | 98                |      | 70-130              | 4   |      | 20            |
| Carbon disulfide                                                                                                | 104              |      | 102               |      | 70-130              | 2   |      | 20            |
| Methyl ethyl ketone                                                                                             | 106              |      | 107               |      | 70-130              | 1   |      | 20            |
| Methyl isobutyl ketone                                                                                          | 110              |      | 109               |      | 70-130              | 1   |      | 20            |
| 2-Hexanone                                                                                                      | 114              |      | 116               |      | 70-130              | 2   |      | 20            |
| Bromochloromethane                                                                                              | 100              |      | 99                |      | 70-130              | 1   |      | 20            |
| Tetrahydrofuran                                                                                                 | 118              |      | 117               |      | 70-130              | 1   |      | 20            |

# **Lab Control Sample Analysis** **Batch Quality Control**

Project Name: TRURO DPW

Lab Number: L2439378

Project Number: TRU250.P2

Report Date: 07/19/24

| Parameter                                                                                                       | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 09 Batch: WG1947586-3 WG1947586-4 |                  |      |                   |      |                     |     |      |               |
| 2,2-Dichloropropane                                                                                             | 118              |      | 120               |      | 70-130              | 2   |      | 20            |
| 1,2-Dibromoethane                                                                                               | 107              |      | 110               |      | 70-130              | 3   |      | 20            |
| 1,3-Dichloropropane                                                                                             | 120              |      | 118               |      | 70-130              | 2   |      | 20            |
| 1,1,1,2-Tetrachloroethane                                                                                       | 107              |      | 104               |      | 70-130              | 3   |      | 20            |
| Bromobenzene                                                                                                    | 106              |      | 104               |      | 70-130              | 2   |      | 20            |
| n-Butylbenzene                                                                                                  | 127              |      | 126               |      | 70-130              | 1   |      | 20            |
| sec-Butylbenzene                                                                                                | 117              |      | 116               |      | 70-130              | 1   |      | 20            |
| tert-Butylbenzene                                                                                               | 111              |      | 110               |      | 70-130              | 1   |      | 20            |
| o-Chlorotoluene                                                                                                 | 120              |      | 120               |      | 70-130              | 0   |      | 20            |
| p-Chlorotoluene                                                                                                 | 120              |      | 118               |      | 70-130              | 2   |      | 20            |
| 1,2-Dibromo-3-chloropropane                                                                                     | 93               |      | 97                |      | 70-130              | 4   |      | 20            |
| Hexachlorobutadiene                                                                                             | 94               |      | 97                |      | 70-130              | 3   |      | 20            |
| Isopropylbenzene                                                                                                | 116              |      | 115               |      | 70-130              | 1   |      | 20            |
| p-Isopropyltoluene                                                                                              | 115              |      | 113               |      | 70-130              | 2   |      | 20            |
| Naphthalene                                                                                                     | 106              |      | 108               |      | 70-130              | 2   |      | 20            |
| n-Propylbenzene                                                                                                 | 124              |      | 120               |      | 70-130              | 3   |      | 20            |
| 1,2,3-Trichlorobenzene                                                                                          | 102              |      | 102               |      | 70-130              | 0   |      | 20            |
| 1,2,4-Trichlorobenzene                                                                                          | 106              |      | 107               |      | 70-130              | 1   |      | 20            |
| 1,3,5-Trimethylbenzene                                                                                          | 117              |      | 114               |      | 70-130              | 3   |      | 20            |
| 1,2,4-Trimethylbenzene                                                                                          | 116              |      | 114               |      | 70-130              | 2   |      | 20            |
| Diethyl ether                                                                                                   | 116              |      | 114               |      | 70-130              | 2   |      | 20            |
| Diisopropyl Ether                                                                                               | 121              |      | 122               |      | 70-130              | 1   |      | 20            |
| Ethyl-Tert-Butyl-Ether                                                                                          | 113              |      | 115               |      | 70-130              | 2   |      | 20            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Lab Number: L2439378

Project Number: TRU250.P2

Report Date: 07/19/24

| Parameter                                                                                                       | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 09 Batch: WG1947586-3 WG1947586-4 |                  |      |                   |      |                     |     |      |               |
| Tertiary-Amyl Methyl Ether                                                                                      | 109              |      | 109               |      | 70-130              | 0   |      | 20            |
| 1,4-Dioxane                                                                                                     | 98               |      | 101               |      | 70-130              | 3   |      | 20            |

| Surrogate             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|-----------------------|------------------|------|-------------------|------|------------------------|
| 1,2-Dichloroethane-d4 | 109              |      | 110               |      | 70-130                 |
| Toluene-d8            | 104              |      | 103               |      | 70-130                 |
| 4-Bromofluorobenzene  | 104              |      | 104               |      | 70-130                 |
| Dibromofluoromethane  | 97               |      | 97                |      | 70-130                 |

# **Lab Control Sample Analysis** **Batch Quality Control**

Project Name: TRURO DPW

Project Number: TRU250.P2

Lab Number: L2439378

Report Date: 07/19/24

| Parameter                                                                                                             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03-07 Batch: WG1947626-3 WG1947626-4 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride                                                                                                    | 107              |      | 108               |      | 70-130              | 1   |      | 20            |
| 1,1-Dichloroethane                                                                                                    | 109              |      | 111               |      | 70-130              | 2   |      | 20            |
| Chloroform                                                                                                            | 111              |      | 115               |      | 70-130              | 4   |      | 20            |
| Carbon tetrachloride                                                                                                  | 107              |      | 109               |      | 70-130              | 2   |      | 20            |
| 1,2-Dichloropropane                                                                                                   | 111              |      | 114               |      | 70-130              | 3   |      | 20            |
| Dibromochloromethane                                                                                                  | 103              |      | 108               |      | 70-130              | 5   |      | 20            |
| 1,1,2-Trichloroethane                                                                                                 | 101              |      | 103               |      | 70-130              | 2   |      | 20            |
| Tetrachloroethene                                                                                                     | 96               |      | 99                |      | 70-130              | 3   |      | 20            |
| Chlorobenzene                                                                                                         | 102              |      | 104               |      | 70-130              | 2   |      | 20            |
| Trichlorofluoromethane                                                                                                | 118              |      | 117               |      | 70-130              | 1   |      | 20            |
| 1,2-Dichloroethane                                                                                                    | 108              |      | 112               |      | 70-130              | 4   |      | 20            |
| 1,1,1-Trichloroethane                                                                                                 | 107              |      | 110               |      | 70-130              | 3   |      | 20            |
| Bromodichloromethane                                                                                                  | 112              |      | 116               |      | 70-130              | 4   |      | 20            |
| trans-1,3-Dichloropropene                                                                                             | 104              |      | 107               |      | 70-130              | 3   |      | 20            |
| cis-1,3-Dichloropropene                                                                                               | 111              |      | 116               |      | 70-130              | 4   |      | 20            |
| 1,1-Dichloropropene                                                                                                   | 105              |      | 107               |      | 70-130              | 2   |      | 20            |
| Bromoform                                                                                                             | 97               |      | 100               |      | 70-130              | 3   |      | 20            |
| 1,1,2,2-Tetrachloroethane                                                                                             | 101              |      | 96                |      | 70-130              | 5   |      | 20            |
| Benzene                                                                                                               | 112              |      | 113               |      | 70-130              | 1   |      | 20            |
| Toluene                                                                                                               | 102              |      | 104               |      | 70-130              | 2   |      | 20            |
| Ethylbenzene                                                                                                          | 104              |      | 107               |      | 70-130              | 3   |      | 20            |
| Chloromethane                                                                                                         | 114              |      | 112               |      | 70-130              | 2   |      | 20            |
| Bromomethane                                                                                                          | 98               |      | 99                |      | 70-130              | 1   |      | 20            |



# **Lab Control Sample Analysis** **Batch Quality Control**

Project Name: TRURO DPW

Project Number: TRU250.P2

Lab Number: L2439378

Report Date: 07/19/24

| Parameter                                                                                                             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03-07 Batch: WG1947626-3 WG1947626-4 |                  |      |                   |      |                     |     |      |               |
| Vinyl chloride                                                                                                        | 133              | Q    | 132               | Q    | 70-130              | 1   |      | 20            |
| Chloroethane                                                                                                          | 114              |      | 113               |      | 70-130              | 1   |      | 20            |
| 1,1-Dichloroethene                                                                                                    | 104              |      | 106               |      | 70-130              | 2   |      | 20            |
| trans-1,2-Dichloroethene                                                                                              | 106              |      | 108               |      | 70-130              | 2   |      | 20            |
| Trichloroethene                                                                                                       | 108              |      | 117               |      | 70-130              | 8   |      | 20            |
| 1,2-Dichlorobenzene                                                                                                   | 99               |      | 101               |      | 70-130              | 2   |      | 20            |
| 1,3-Dichlorobenzene                                                                                                   | 99               |      | 102               |      | 70-130              | 3   |      | 20            |
| 1,4-Dichlorobenzene                                                                                                   | 99               |      | 102               |      | 70-130              | 3   |      | 20            |
| Methyl tert butyl ether                                                                                               | 122              |      | 125               |      | 70-130              | 2   |      | 20            |
| p/m-Xylene                                                                                                            | 104              |      | 107               |      | 70-130              | 3   |      | 20            |
| o-Xylene                                                                                                              | 103              |      | 106               |      | 70-130              | 3   |      | 20            |
| cis-1,2-Dichloroethene                                                                                                | 105              |      | 107               |      | 70-130              | 2   |      | 20            |
| Dibromomethane                                                                                                        | 110              |      | 114               |      | 70-130              | 4   |      | 20            |
| 1,2,3-Trichloropropane                                                                                                | 101              |      | 103               |      | 70-130              | 2   |      | 20            |
| Styrene                                                                                                               | 109              |      | 112               |      | 70-130              | 3   |      | 20            |
| Dichlorodifluoromethane                                                                                               | 106              |      | 105               |      | 70-130              | 1   |      | 20            |
| Acetone                                                                                                               | 125              |      | 130               |      | 70-130              | 4   |      | 20            |
| Carbon disulfide                                                                                                      | 96               |      | 97                |      | 70-130              | 1   |      | 20            |
| Methyl ethyl ketone                                                                                                   | 123              |      | 129               |      | 70-130              | 5   |      | 20            |
| Methyl isobutyl ketone                                                                                                | 107              |      | 112               |      | 70-130              | 5   |      | 20            |
| 2-Hexanone                                                                                                            | 121              |      | 126               |      | 70-130              | 4   |      | 20            |
| Bromochloromethane                                                                                                    | 110              |      | 113               |      | 70-130              | 3   |      | 20            |
| Tetrahydrofuran                                                                                                       | 134              | Q    | 142               | Q    | 70-130              | 6   |      | 20            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU250.P2

Lab Number: L2439378

Report Date: 07/19/24

| Parameter                                                                                                             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03-07 Batch: WG1947626-3 WG1947626-4 |                  |      |                   |      |                     |     |      |               |
| 2,2-Dichloropropane                                                                                                   | 107              |      | 108               |      | 70-130              | 1   |      | 20            |
| 1,2-Dibromoethane                                                                                                     | 103              |      | 107               |      | 70-130              | 4   |      | 20            |
| 1,3-Dichloropropane                                                                                                   | 102              |      | 105               |      | 70-130              | 3   |      | 20            |
| 1,1,1,2-Tetrachloroethane                                                                                             | 100              |      | 104               |      | 70-130              | 4   |      | 20            |
| Bromobenzene                                                                                                          | 99               |      | 101               |      | 70-130              | 2   |      | 20            |
| n-Butylbenzene                                                                                                        | 102              |      | 106               |      | 70-130              | 4   |      | 20            |
| sec-Butylbenzene                                                                                                      | 101              |      | 103               |      | 70-130              | 2   |      | 20            |
| tert-Butylbenzene                                                                                                     | 98               |      | 100               |      | 70-130              | 2   |      | 20            |
| o-Chlorotoluene                                                                                                       | 100              |      | 101               |      | 70-130              | 1   |      | 20            |
| p-Chlorotoluene                                                                                                       | 98               |      | 101               |      | 70-130              | 3   |      | 20            |
| 1,2-Dibromo-3-chloropropane                                                                                           | 104              |      | 107               |      | 70-130              | 3   |      | 20            |
| Hexachlorobutadiene                                                                                                   | 96               |      | 98                |      | 70-130              | 2   |      | 20            |
| Isopropylbenzene                                                                                                      | 101              |      | 103               |      | 70-130              | 2   |      | 20            |
| p-Isopropyltoluene                                                                                                    | 100              |      | 103               |      | 70-130              | 3   |      | 20            |
| Naphthalene                                                                                                           | 109              |      | 115               |      | 70-130              | 5   |      | 20            |
| n-Propylbenzene                                                                                                       | 102              |      | 104               |      | 70-130              | 2   |      | 20            |
| 1,2,3-Trichlorobenzene                                                                                                | 122              |      | 131               | Q    | 70-130              | 7   |      | 20            |
| 1,2,4-Trichlorobenzene                                                                                                | 103              |      | 110               |      | 70-130              | 7   |      | 20            |
| 1,3,5-Trimethylbenzene                                                                                                | 100              |      | 102               |      | 70-130              | 2   |      | 20            |
| 1,2,4-Trimethylbenzene                                                                                                | 100              |      | 103               |      | 70-130              | 3   |      | 20            |
| Diethyl ether                                                                                                         | 123              |      | 124               |      | 70-130              | 1   |      | 20            |
| Diisopropyl Ether                                                                                                     | 128              |      | 131               | Q    | 70-130              | 2   |      | 20            |
| Ethyl-Tert-Butyl-Ether                                                                                                | 113              |      | 115               |      | 70-130              | 2   |      | 20            |

# **Lab Control Sample Analysis** Batch Quality Control

Project Name: TRURO DPW

Lab Number: L2439378

Project Number: TRU250.P2

Report Date: 07/19/24

| Parameter                                                                                                             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03-07 Batch: WG1947626-3 WG1947626-4 |                  |      |                   |      |                     |     |      |               |
| Tertiary-Amyl Methyl Ether                                                                                            | 108              |      | 112               |      | 70-130              | 4   |      | 20            |
| 1,4-Dioxane                                                                                                           | 94               |      | 95                |      | 70-130              | 1   |      | 20            |

| Surrogate             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|-----------------------|------------------|------|-------------------|------|------------------------|
| 1,2-Dichloroethane-d4 | 103              |      | 105               |      | 70-130                 |
| Toluene-d8            | 100              |      | 99                |      | 70-130                 |
| 4-Bromofluorobenzene  | 101              |      | 100               |      | 70-130                 |
| Dibromofluoromethane  | 108              |      | 106               |      | 70-130                 |

# **PETROLEUM HYDROCARBONS**

**Project Name:** TRURO DPW**Lab Number:** L2439378**Project Number:** TRU250.P2**Report Date:** 07/19/24**SAMPLE RESULTS**

Lab ID: L2439378-01

Date Collected: 07/12/24 07:45

Client ID: TP1-0-2

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 131, VPH-18-2.1

Analytical Date: 07/16/24 15:01

Analyst: BAD

Percent Solids: 95%

Trap: EST, Carbopack B/Carboxen 1000&amp;1001

Analytical Column: Restek, RTX-502.2,  
105m, 0.53ID, 3um**Quality Control Information**

Condition of sample received:

Satisfactory

Sample Temperature upon receipt:

Received on Ice

Were samples received in methanol?

Yes (Covering the Soil)

Methanol ratio:

1:1 +/- 25%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

**Volatile Petroleum Hydrocarbons - Westborough Lab**

|                             |    |  |       |      |    |   |
|-----------------------------|----|--|-------|------|----|---|
| C5-C8 Aliphatics            | ND |  | mg/kg | 6.13 | -- | 1 |
| C9-C12 Aliphatics           | ND |  | mg/kg | 6.13 | -- | 1 |
| C9-C10 Aromatics            | ND |  | mg/kg | 6.13 | -- | 1 |
| C5-C8 Aliphatics, Adjusted  | ND |  | mg/kg | 6.13 | -- | 1 |
| C9-C12 Aliphatics, Adjusted | ND |  | mg/kg | 6.13 | -- | 1 |

| Surrogate              | % Recovery | Qualifier | Acceptance Criteria |
|------------------------|------------|-----------|---------------------|
| 2,5-Dibromotoluene-PID | 104        |           | 70-130              |
| 2,5-Dibromotoluene-FID | 106        |           | 70-130              |



**Project Name:** TRURO DPW**Lab Number:** L2439378**Project Number:** TRU250.P2**Report Date:** 07/19/24**SAMPLE RESULTS**

Lab ID: L2439378-01

Date Collected: 07/12/24 07:45

Client ID: TP1-0-2

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 135,EPH-19-2.1

Extraction Date: 07/15/24 08:25

Analytical Date: 07/17/24 10:52

Cleanup Method1: EPH-19-2.1

Analyst: SBC

Cleanup Date1: 07/17/24

Percent Solids: 95%

**Quality Control Information**

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

**Extractable Petroleum Hydrocarbons - Westborough Lab**

|                             |      |  |       |       |    |   |
|-----------------------------|------|--|-------|-------|----|---|
| C9-C18 Aliphatics           | ND   |  | mg/kg | 6.90  | -- | 1 |
| C19-C36 Aliphatics          | 9.43 |  | mg/kg | 6.90  | -- | 1 |
| C11-C22 Aromatics           | 39.5 |  | mg/kg | 6.90  | -- | 1 |
| C11-C22 Aromatics, Adjusted | 39.5 |  | mg/kg | 6.90  | -- | 1 |
| Naphthalene                 | ND   |  | mg/kg | 0.345 | -- | 1 |
| 2-Methylnaphthalene         | ND   |  | mg/kg | 0.345 | -- | 1 |
| Acenaphthylene              | ND   |  | mg/kg | 0.345 | -- | 1 |
| Acenaphthene                | ND   |  | mg/kg | 0.345 | -- | 1 |
| Fluorene                    | ND   |  | mg/kg | 0.345 | -- | 1 |
| Phenanthrene                | ND   |  | mg/kg | 0.345 | -- | 1 |
| Anthracene                  | ND   |  | mg/kg | 0.345 | -- | 1 |
| Fluoranthene                | ND   |  | mg/kg | 0.345 | -- | 1 |
| Pyrene                      | ND   |  | mg/kg | 0.345 | -- | 1 |
| Benzo(a)anthracene          | ND   |  | mg/kg | 0.345 | -- | 1 |
| Chrysene                    | ND   |  | mg/kg | 0.345 | -- | 1 |
| Benzo(b)fluoranthene        | ND   |  | mg/kg | 0.345 | -- | 1 |
| Benzo(k)fluoranthene        | ND   |  | mg/kg | 0.345 | -- | 1 |
| Benzo(a)pyrene              | ND   |  | mg/kg | 0.345 | -- | 1 |
| Indeno(1,2,3-cd)Pyrene      | ND   |  | mg/kg | 0.345 | -- | 1 |
| Dibenzo(a,h)anthracene      | ND   |  | mg/kg | 0.345 | -- | 1 |
| Benzo(ghi)perylene          | ND   |  | mg/kg | 0.345 | -- | 1 |



Project Name: TRURO DPW

Lab Number: L2439378

Project Number: TRU250.P2

Report Date: 07/19/24

## SAMPLE RESULTS

Lab ID: L2439378-01

Date Collected: 07/12/24 07:45

Client ID: TP1-0-2

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

## Extractable Petroleum Hydrocarbons - Westborough Lab

| Surrogate          | % Recovery | Qualifier | Acceptance Criteria |
|--------------------|------------|-----------|---------------------|
| Chloro-Octadecane  | 71         |           | 40-140              |
| o-Terphenyl        | 70         |           | 40-140              |
| 2-Fluorobiphenyl   | 78         |           | 40-140              |
| 2-Bromonaphthalene | 80         |           | 40-140              |

**Project Name:** TRURO DPW**Lab Number:** L2439378**Project Number:** TRU250.P2**Report Date:** 07/19/24**SAMPLE RESULTS**

Lab ID: L2439378-02

Client ID: TP1-4-6

Sample Location: TRURO, MA

Date Collected: 07/12/24 07:55

Date Received: 07/12/24

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 135,EPH-19-2.1

Analytical Date: 07/17/24 08:48

Analyst: SBC

Percent Solids: 97%

Extraction Method: EPA 3546

Extraction Date: 07/15/24 08:25

Cleanup Method1: EPH-19-2.1

Cleanup Date1: 07/17/24

**Quality Control Information**

Condition of sample received:

Satisfactory

Sample Temperature upon receipt:

Received on Ice

Sample Extraction method:

Extracted Per the Method

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

**Extractable Petroleum Hydrocarbons - Westborough Lab**

|                             |    |  |       |       |    |   |
|-----------------------------|----|--|-------|-------|----|---|
| C9-C18 Aliphatics           | ND |  | mg/kg | 6.64  | -- | 1 |
| C19-C36 Aliphatics          | ND |  | mg/kg | 6.64  | -- | 1 |
| C11-C22 Aromatics           | ND |  | mg/kg | 6.64  | -- | 1 |
| C11-C22 Aromatics, Adjusted | ND |  | mg/kg | 6.64  | -- | 1 |
| Naphthalene                 | ND |  | mg/kg | 0.332 | -- | 1 |
| 2-Methylnaphthalene         | ND |  | mg/kg | 0.332 | -- | 1 |
| Acenaphthylene              | ND |  | mg/kg | 0.332 | -- | 1 |
| Acenaphthene                | ND |  | mg/kg | 0.332 | -- | 1 |
| Fluorene                    | ND |  | mg/kg | 0.332 | -- | 1 |
| Phenanthrene                | ND |  | mg/kg | 0.332 | -- | 1 |
| Anthracene                  | ND |  | mg/kg | 0.332 | -- | 1 |
| Fluoranthene                | ND |  | mg/kg | 0.332 | -- | 1 |
| Pyrene                      | ND |  | mg/kg | 0.332 | -- | 1 |
| Benzo(a)anthracene          | ND |  | mg/kg | 0.332 | -- | 1 |
| Chrysene                    | ND |  | mg/kg | 0.332 | -- | 1 |
| Benzo(b)fluoranthene        | ND |  | mg/kg | 0.332 | -- | 1 |
| Benzo(k)fluoranthene        | ND |  | mg/kg | 0.332 | -- | 1 |
| Benzo(a)pyrene              | ND |  | mg/kg | 0.332 | -- | 1 |
| Indeno(1,2,3-cd)Pyrene      | ND |  | mg/kg | 0.332 | -- | 1 |
| Dibenzo(a,h)anthracene      | ND |  | mg/kg | 0.332 | -- | 1 |
| Benzo(ghi)perylene          | ND |  | mg/kg | 0.332 | -- | 1 |





Project Name: TRURO DPW

Lab Number: L2439378

Project Number: TRU250.P2

Report Date: 07/19/24

## SAMPLE RESULTS

Lab ID: L2439378-02

Date Collected: 07/12/24 07:55

Client ID: TP1-4-6

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

## Extractable Petroleum Hydrocarbons - Westborough Lab

| Surrogate          | % Recovery | Qualifier | Acceptance Criteria |
|--------------------|------------|-----------|---------------------|
| Chloro-Octadecane  | 70         |           | 40-140              |
| o-Terphenyl        | 70         |           | 40-140              |
| 2-Fluorobiphenyl   | 79         |           | 40-140              |
| 2-Bromonaphthalene | 81         |           | 40-140              |

**Project Name:** TRURO DPW**Lab Number:** L2439378**Project Number:** TRU250.P2**Report Date:** 07/19/24**SAMPLE RESULTS**

Lab ID: L2439378-03

Date Collected: 07/12/24 08:50

Client ID: TP2-2-4

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 131, VPH-18-2.1

Analytical Date: 07/18/24 22:02

Analyst: BAD

Percent Solids: 98%

Trap: EST, Carbopack B/Carboxen 1000&amp;1001

Analytical Column: Restek, RTX-502.2,  
105m, 0.53ID, 3um**Quality Control Information**

Condition of sample received:

Satisfactory

Sample Temperature upon receipt:

Received on Ice

Were samples received in methanol?

Yes (Covering the Soil)

Methanol ratio:

1.7:1

| Parameter                                                | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|----------------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| <b>Volatile Petroleum Hydrocarbons - Westborough Lab</b> |        |           |       |      |     |                 |
| C5-C8 Aliphatics                                         | ND     |           | mg/kg | 8.68 | --  | 1               |
| C9-C12 Aliphatics                                        | ND     |           | mg/kg | 8.68 | --  | 1               |
| C9-C10 Aromatics                                         | ND     |           | mg/kg | 8.68 | --  | 1               |
| C5-C8 Aliphatics, Adjusted                               | ND     |           | mg/kg | 8.68 | --  | 1               |
| C9-C12 Aliphatics, Adjusted                              | ND     |           | mg/kg | 8.68 | --  | 1               |

| Surrogate              | % Recovery | Qualifier | Acceptance Criteria |
|------------------------|------------|-----------|---------------------|
| 2,5-Dibromotoluene-PID | 116        |           | 70-130              |
| 2,5-Dibromotoluene-FID | 114        |           | 70-130              |



**Project Name:** TRURO DPW**Lab Number:** L2439378**Project Number:** TRU250.P2**Report Date:** 07/19/24**SAMPLE RESULTS**

Lab ID: L2439378-03

Client ID: TP2-2-4

Sample Location: TRURO, MA

Date Collected: 07/12/24 08:50

Date Received: 07/12/24

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 135,EPH-19-2.1

Analytical Date: 07/17/24 09:12

Analyst: SBC

Percent Solids: 98%

Extraction Method: EPA 3546

Extraction Date: 07/15/24 08:25

Cleanup Method1: EPH-19-2.1

Cleanup Date1: 07/17/24

**Quality Control Information**

Condition of sample received:

Satisfactory

Sample Temperature upon receipt:

Received on Ice

Sample Extraction method:

Extracted Per the Method

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

**Extractable Petroleum Hydrocarbons - Westborough Lab**

|                             |    |  |       |       |    |   |
|-----------------------------|----|--|-------|-------|----|---|
| C9-C18 Aliphatics           | ND |  | mg/kg | 6.71  | -- | 1 |
| C19-C36 Aliphatics          | ND |  | mg/kg | 6.71  | -- | 1 |
| C11-C22 Aromatics           | ND |  | mg/kg | 6.71  | -- | 1 |
| C11-C22 Aromatics, Adjusted | ND |  | mg/kg | 6.71  | -- | 1 |
| Naphthalene                 | ND |  | mg/kg | 0.335 | -- | 1 |
| 2-Methylnaphthalene         | ND |  | mg/kg | 0.335 | -- | 1 |
| Acenaphthylene              | ND |  | mg/kg | 0.335 | -- | 1 |
| Acenaphthene                | ND |  | mg/kg | 0.335 | -- | 1 |
| Fluorene                    | ND |  | mg/kg | 0.335 | -- | 1 |
| Phenanthrene                | ND |  | mg/kg | 0.335 | -- | 1 |
| Anthracene                  | ND |  | mg/kg | 0.335 | -- | 1 |
| Fluoranthene                | ND |  | mg/kg | 0.335 | -- | 1 |
| Pyrene                      | ND |  | mg/kg | 0.335 | -- | 1 |
| Benzo(a)anthracene          | ND |  | mg/kg | 0.335 | -- | 1 |
| Chrysene                    | ND |  | mg/kg | 0.335 | -- | 1 |
| Benzo(b)fluoranthene        | ND |  | mg/kg | 0.335 | -- | 1 |
| Benzo(k)fluoranthene        | ND |  | mg/kg | 0.335 | -- | 1 |
| Benzo(a)pyrene              | ND |  | mg/kg | 0.335 | -- | 1 |
| Indeno(1,2,3-cd)Pyrene      | ND |  | mg/kg | 0.335 | -- | 1 |
| Dibenzo(a,h)anthracene      | ND |  | mg/kg | 0.335 | -- | 1 |
| Benzo(ghi)perylene          | ND |  | mg/kg | 0.335 | -- | 1 |



**Project Name:** TRURO DPW**Lab Number:** L2439378**Project Number:** TRU250.P2**Report Date:** 07/19/24**SAMPLE RESULTS**

Lab ID: L2439378-03

Date Collected: 07/12/24 08:50

Client ID: TP2-2-4

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

**Extractable Petroleum Hydrocarbons - Westborough Lab**

| Surrogate          | % Recovery | Qualifier | Acceptance Criteria |
|--------------------|------------|-----------|---------------------|
| Chloro-Octadecane  | 60         |           | 40-140              |
| o-Terphenyl        | 56         |           | 40-140              |
| 2-Fluorobiphenyl   | 67         |           | 40-140              |
| 2-Bromonaphthalene | 69         |           | 40-140              |

**Project Name:** TRURO DPW**Lab Number:** L2439378**Project Number:** TRU250.P2**Report Date:** 07/19/24**SAMPLE RESULTS**

Lab ID: L2439378-04

Date Collected: 07/12/24 10:00

Client ID: TP3-8-10

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 131, VPH-18-2.1

Analytical Date: 07/18/24 22:37

Analyst: BAD

Percent Solids: 98%

Trap: EST, Carbopack B/Carboxen 1000&amp;1001

Analytical Column: Restek, RTX-502.2,  
105m, 0.53ID, 3um**Quality Control Information**

Condition of sample received:

Satisfactory

Sample Temperature upon receipt:

Received on Ice

Were samples received in methanol?

Yes (Covering the Soil)

Methanol ratio:

1:1 +/- 25%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

**Volatile Petroleum Hydrocarbons - Westborough Lab**

|                             |    |  |       |      |    |   |
|-----------------------------|----|--|-------|------|----|---|
| C5-C8 Aliphatics            | ND |  | mg/kg | 5.98 | -- | 1 |
| C9-C12 Aliphatics           | ND |  | mg/kg | 5.98 | -- | 1 |
| C9-C10 Aromatics            | ND |  | mg/kg | 5.98 | -- | 1 |
| C5-C8 Aliphatics, Adjusted  | ND |  | mg/kg | 5.98 | -- | 1 |
| C9-C12 Aliphatics, Adjusted | ND |  | mg/kg | 5.98 | -- | 1 |

| Surrogate              | % Recovery | Qualifier | Acceptance Criteria |
|------------------------|------------|-----------|---------------------|
| 2,5-Dibromotoluene-PID | 121        |           | 70-130              |
| 2,5-Dibromotoluene-FID | 120        |           | 70-130              |



**Project Name:** TRURO DPW**Lab Number:** L2439378**Project Number:** TRU250.P2**Report Date:** 07/19/24**SAMPLE RESULTS**

Lab ID: L2439378-04

Client ID: TP3-8-10

Sample Location: TRURO, MA

Date Collected: 07/12/24 10:00

Date Received: 07/12/24

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 135,EPH-19-2.1

Analytical Date: 07/17/24 09:37

Analyst: SBC

Percent Solids: 98%

Extraction Method: EPA 3546

Extraction Date: 07/15/24 08:25

Cleanup Method1: EPH-19-2.1

Cleanup Date1: 07/17/24

**Quality Control Information**

Condition of sample received:

Satisfactory

Sample Temperature upon receipt:

Received on Ice

Sample Extraction method:

Extracted Per the Method

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

**Extractable Petroleum Hydrocarbons - Westborough Lab**

|                             |      |  |       |       |    |   |
|-----------------------------|------|--|-------|-------|----|---|
| C9-C18 Aliphatics           | 31.8 |  | mg/kg | 6.61  | -- | 1 |
| C19-C36 Aliphatics          | 31.0 |  | mg/kg | 6.61  | -- | 1 |
| C11-C22 Aromatics           | 19.6 |  | mg/kg | 6.61  | -- | 1 |
| C11-C22 Aromatics, Adjusted | 19.6 |  | mg/kg | 6.61  | -- | 1 |
| Naphthalene                 | ND   |  | mg/kg | 0.330 | -- | 1 |
| 2-Methylnaphthalene         | ND   |  | mg/kg | 0.330 | -- | 1 |
| Acenaphthylene              | ND   |  | mg/kg | 0.330 | -- | 1 |
| Acenaphthene                | ND   |  | mg/kg | 0.330 | -- | 1 |
| Fluorene                    | ND   |  | mg/kg | 0.330 | -- | 1 |
| Phenanthrene                | ND   |  | mg/kg | 0.330 | -- | 1 |
| Anthracene                  | ND   |  | mg/kg | 0.330 | -- | 1 |
| Fluoranthene                | ND   |  | mg/kg | 0.330 | -- | 1 |
| Pyrene                      | ND   |  | mg/kg | 0.330 | -- | 1 |
| Benzo(a)anthracene          | ND   |  | mg/kg | 0.330 | -- | 1 |
| Chrysene                    | ND   |  | mg/kg | 0.330 | -- | 1 |
| Benzo(b)fluoranthene        | ND   |  | mg/kg | 0.330 | -- | 1 |
| Benzo(k)fluoranthene        | ND   |  | mg/kg | 0.330 | -- | 1 |
| Benzo(a)pyrene              | ND   |  | mg/kg | 0.330 | -- | 1 |
| Indeno(1,2,3-cd)Pyrene      | ND   |  | mg/kg | 0.330 | -- | 1 |
| Dibenzo(a,h)anthracene      | ND   |  | mg/kg | 0.330 | -- | 1 |
| Benzo(ghi)perylene          | ND   |  | mg/kg | 0.330 | -- | 1 |



**Project Name:** TRURO DPW**Lab Number:** L2439378**Project Number:** TRU250.P2**Report Date:** 07/19/24**SAMPLE RESULTS**

Lab ID: L2439378-04

Date Collected: 07/12/24 10:00

Client ID: TP3-8-10

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

**Extractable Petroleum Hydrocarbons - Westborough Lab**

| Surrogate          | % Recovery | Qualifier | Acceptance Criteria |
|--------------------|------------|-----------|---------------------|
| Chloro-Octadecane  | 73         |           | 40-140              |
| o-Terphenyl        | 69         |           | 40-140              |
| 2-Fluorobiphenyl   | 76         |           | 40-140              |
| 2-Bromonaphthalene | 77         |           | 40-140              |

**Project Name:** TRURO DPW**Lab Number:** L2439378**Project Number:** TRU250.P2**Report Date:** 07/19/24**SAMPLE RESULTS**

Lab ID: L2439378-05

Date Collected: 07/12/24 11:15

Client ID: TP4-6-8

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 131, VPH-18-2.1

Analytical Date: 07/18/24 23:13

Analyst: BAD

Percent Solids: 95%

Trap: EST, Carbopack B/Carboxen 1000&amp;1001

Analytical Column: Restek, RTX-502.2,  
105m, 0.53ID, 3um**Quality Control Information**

Condition of sample received:

Satisfactory

Sample Temperature upon receipt:

Received on Ice

Were samples received in methanol?

Yes (Covering the Soil)

Methanol ratio:

1:1 +/- 25%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

**Volatile Petroleum Hydrocarbons - Westborough Lab**

|                             |    |  |       |      |    |   |
|-----------------------------|----|--|-------|------|----|---|
| C5-C8 Aliphatics            | ND |  | mg/kg | 5.98 | -- | 1 |
| C9-C12 Aliphatics           | ND |  | mg/kg | 5.98 | -- | 1 |
| C9-C10 Aromatics            | ND |  | mg/kg | 5.98 | -- | 1 |
| C5-C8 Aliphatics, Adjusted  | ND |  | mg/kg | 5.98 | -- | 1 |
| C9-C12 Aliphatics, Adjusted | ND |  | mg/kg | 5.98 | -- | 1 |

| Surrogate              | % Recovery | Qualifier | Acceptance Criteria |
|------------------------|------------|-----------|---------------------|
| 2,5-Dibromotoluene-PID | 115        |           | 70-130              |
| 2,5-Dibromotoluene-FID | 115        |           | 70-130              |





**Project Name:** TRURO DPW**Lab Number:** L2439378**Project Number:** TRU250.P2**Report Date:** 07/19/24**SAMPLE RESULTS**

Lab ID: L2439378-05

Client ID: TP4-6-8

Sample Location: TRURO, MA

Date Collected: 07/12/24 11:15

Date Received: 07/12/24

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 135,EPH-19-2.1

Analytical Date: 07/17/24 11:17

Analyst: SBC

Percent Solids: 95%

Extraction Method: EPA 3546

Extraction Date: 07/15/24 08:25

Cleanup Method1: EPH-19-2.1

Cleanup Date1: 07/17/24

**Quality Control Information**

Condition of sample received:

Satisfactory

Sample Temperature upon receipt:

Received on Ice

Sample Extraction method:

Extracted Per the Method

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

**Extractable Petroleum Hydrocarbons - Westborough Lab**

|                             |      |  |       |       |    |   |
|-----------------------------|------|--|-------|-------|----|---|
| C9-C18 Aliphatics           | ND   |  | mg/kg | 6.70  | -- | 1 |
| C19-C36 Aliphatics          | 13.6 |  | mg/kg | 6.70  | -- | 1 |
| C11-C22 Aromatics           | 13.9 |  | mg/kg | 6.70  | -- | 1 |
| C11-C22 Aromatics, Adjusted | 13.9 |  | mg/kg | 6.70  | -- | 1 |
| Naphthalene                 | ND   |  | mg/kg | 0.335 | -- | 1 |
| 2-Methylnaphthalene         | ND   |  | mg/kg | 0.335 | -- | 1 |
| Acenaphthylene              | ND   |  | mg/kg | 0.335 | -- | 1 |
| Acenaphthene                | ND   |  | mg/kg | 0.335 | -- | 1 |
| Fluorene                    | ND   |  | mg/kg | 0.335 | -- | 1 |
| Phenanthrene                | ND   |  | mg/kg | 0.335 | -- | 1 |
| Anthracene                  | ND   |  | mg/kg | 0.335 | -- | 1 |
| Fluoranthene                | ND   |  | mg/kg | 0.335 | -- | 1 |
| Pyrene                      | ND   |  | mg/kg | 0.335 | -- | 1 |
| Benzo(a)anthracene          | ND   |  | mg/kg | 0.335 | -- | 1 |
| Chrysene                    | ND   |  | mg/kg | 0.335 | -- | 1 |
| Benzo(b)fluoranthene        | ND   |  | mg/kg | 0.335 | -- | 1 |
| Benzo(k)fluoranthene        | ND   |  | mg/kg | 0.335 | -- | 1 |
| Benzo(a)pyrene              | ND   |  | mg/kg | 0.335 | -- | 1 |
| Indeno(1,2,3-cd)Pyrene      | ND   |  | mg/kg | 0.335 | -- | 1 |
| Dibenzo(a,h)anthracene      | ND   |  | mg/kg | 0.335 | -- | 1 |
| Benzo(ghi)perylene          | ND   |  | mg/kg | 0.335 | -- | 1 |



**Project Name:** TRURO DPW**Lab Number:** L2439378**Project Number:** TRU250.P2**Report Date:** 07/19/24**SAMPLE RESULTS**

Lab ID: L2439378-05

Date Collected: 07/12/24 11:15

Client ID: TP4-6-8

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

**Extractable Petroleum Hydrocarbons - Westborough Lab**

| Surrogate          | % Recovery | Qualifier | Acceptance Criteria |
|--------------------|------------|-----------|---------------------|
| Chloro-Octadecane  | 72         |           | 40-140              |
| o-Terphenyl        | 70         |           | 40-140              |
| 2-Fluorobiphenyl   | 79         |           | 40-140              |
| 2-Bromonaphthalene | 81         |           | 40-140              |

**Project Name:** TRURO DPW**Lab Number:** L2439378**Project Number:** TRU250.P2**Report Date:** 07/19/24**SAMPLE RESULTS**

Lab ID: L2439378-06

Date Collected: 07/11/24 14:45

Client ID: TP9-2-4

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 131, VPH-18-2.1

Analytical Date: 07/18/24 23:49

Analyst: BAD

Percent Solids: 95%

Trap: EST, Carbopack B/Carboxen 1000&amp;1001

Analytical Column: Restek, RTX-502.2,  
105m, 0.53ID, 3um**Quality Control Information**

Condition of sample received:

Satisfactory

Sample Temperature upon receipt:

Received on Ice

Were samples received in methanol?

Yes (Covering the Soil)

Methanol ratio:

1:1 +/- 25%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

**Volatile Petroleum Hydrocarbons - Westborough Lab**

|                             |    |  |       |      |    |   |
|-----------------------------|----|--|-------|------|----|---|
| C5-C8 Aliphatics            | ND |  | mg/kg | 5.68 | -- | 1 |
| C9-C12 Aliphatics           | ND |  | mg/kg | 5.68 | -- | 1 |
| C9-C10 Aromatics            | ND |  | mg/kg | 5.68 | -- | 1 |
| C5-C8 Aliphatics, Adjusted  | ND |  | mg/kg | 5.68 | -- | 1 |
| C9-C12 Aliphatics, Adjusted | ND |  | mg/kg | 5.68 | -- | 1 |

| Surrogate              | % Recovery | Qualifier | Acceptance Criteria |
|------------------------|------------|-----------|---------------------|
| 2,5-Dibromotoluene-PID | 115        |           | 70-130              |
| 2,5-Dibromotoluene-FID | 117        |           | 70-130              |



**Project Name:** TRURO DPW**Lab Number:** L2439378**Project Number:** TRU250.P2**Report Date:** 07/19/24**SAMPLE RESULTS**

Lab ID: L2439378-06

Client ID: TP9-2-4

Sample Location: TRURO, MA

Date Collected: 07/11/24 14:45

Date Received: 07/12/24

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 135,EPH-19-2.1

Analytical Date: 07/17/24 10:02

Analyst: SBC

Percent Solids: 95%

Extraction Method: EPA 3546

Extraction Date: 07/15/24 08:25

Cleanup Method1: EPH-19-2.1

Cleanup Date1: 07/17/24

**Quality Control Information**

Condition of sample received:

Satisfactory

Sample Temperature upon receipt:

Received on Ice

Sample Extraction method:

Extracted Per the Method

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

**Extractable Petroleum Hydrocarbons - Westborough Lab**

|                             |    |  |       |       |    |   |
|-----------------------------|----|--|-------|-------|----|---|
| C9-C18 Aliphatics           | ND |  | mg/kg | 6.92  | -- | 1 |
| C19-C36 Aliphatics          | ND |  | mg/kg | 6.92  | -- | 1 |
| C11-C22 Aromatics           | ND |  | mg/kg | 6.92  | -- | 1 |
| C11-C22 Aromatics, Adjusted | ND |  | mg/kg | 6.92  | -- | 1 |
| Naphthalene                 | ND |  | mg/kg | 0.346 | -- | 1 |
| 2-Methylnaphthalene         | ND |  | mg/kg | 0.346 | -- | 1 |
| Acenaphthylene              | ND |  | mg/kg | 0.346 | -- | 1 |
| Acenaphthene                | ND |  | mg/kg | 0.346 | -- | 1 |
| Fluorene                    | ND |  | mg/kg | 0.346 | -- | 1 |
| Phenanthrene                | ND |  | mg/kg | 0.346 | -- | 1 |
| Anthracene                  | ND |  | mg/kg | 0.346 | -- | 1 |
| Fluoranthene                | ND |  | mg/kg | 0.346 | -- | 1 |
| Pyrene                      | ND |  | mg/kg | 0.346 | -- | 1 |
| Benzo(a)anthracene          | ND |  | mg/kg | 0.346 | -- | 1 |
| Chrysene                    | ND |  | mg/kg | 0.346 | -- | 1 |
| Benzo(b)fluoranthene        | ND |  | mg/kg | 0.346 | -- | 1 |
| Benzo(k)fluoranthene        | ND |  | mg/kg | 0.346 | -- | 1 |
| Benzo(a)pyrene              | ND |  | mg/kg | 0.346 | -- | 1 |
| Indeno(1,2,3-cd)Pyrene      | ND |  | mg/kg | 0.346 | -- | 1 |
| Dibenzo(a,h)anthracene      | ND |  | mg/kg | 0.346 | -- | 1 |
| Benzo(ghi)perylene          | ND |  | mg/kg | 0.346 | -- | 1 |



Project Name: TRURO DPW

Lab Number: L2439378

Project Number: TRU250.P2

Report Date: 07/19/24

## SAMPLE RESULTS

Lab ID: L2439378-06

Date Collected: 07/11/24 14:45

Client ID: TP9-2-4

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

## Extractable Petroleum Hydrocarbons - Westborough Lab

| Surrogate          | % Recovery | Qualifier | Acceptance Criteria |
|--------------------|------------|-----------|---------------------|
| Chloro-Octadecane  | 63         |           | 40-140              |
| o-Terphenyl        | 56         |           | 40-140              |
| 2-Fluorobiphenyl   | 67         |           | 40-140              |
| 2-Bromonaphthalene | 68         |           | 40-140              |

Project Name: TRURO DPW

Lab Number: L2439378

Project Number: TRU250.P2

Report Date: 07/19/24

## SAMPLE RESULTS

Lab ID: L2439378-07

Date Collected: 07/11/24 13:00

Client ID: TP12-2-4

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 131, VPH-18-2.1

Analytical Date: 07/19/24 00:24

Analyst: BAD

Percent Solids: 92%

Trap: EST, Carbopack B/Carboxen 1000&amp;1001

Analytical Column: Restek, RTX-502.2,  
105m, 0.53ID, 3um

## Quality Control Information

Condition of sample received:

Satisfactory

Sample Temperature upon receipt:

Received on Ice

Were samples received in methanol?

Yes (Covering the Soil)

Methanol ratio:

1:1 +/- 25%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

## Volatile Petroleum Hydrocarbons - Westborough Lab

|                             |    |  |       |      |    |   |
|-----------------------------|----|--|-------|------|----|---|
| C5-C8 Aliphatics            | ND |  | mg/kg | 6.06 | -- | 1 |
| C9-C12 Aliphatics           | ND |  | mg/kg | 6.06 | -- | 1 |
| C9-C10 Aromatics            | ND |  | mg/kg | 6.06 | -- | 1 |
| C5-C8 Aliphatics, Adjusted  | ND |  | mg/kg | 6.06 | -- | 1 |
| C9-C12 Aliphatics, Adjusted | ND |  | mg/kg | 6.06 | -- | 1 |

| Surrogate              | % Recovery | Qualifier | Acceptance Criteria |
|------------------------|------------|-----------|---------------------|
| 2,5-Dibromotoluene-PID | 141        | Q         | 70-130              |
| 2,5-Dibromotoluene-FID | 138        | Q         | 70-130              |



**Project Name:** TRURO DPW**Lab Number:** L2439378**Project Number:** TRU250.P2**Report Date:** 07/19/24**SAMPLE RESULTS**

Lab ID: L2439378-07

Client ID: TP12-2-4

Sample Location: TRURO, MA

Date Collected: 07/11/24 13:00

Date Received: 07/12/24

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 135,EPH-19-2.1

Analytical Date: 07/17/24 10:27

Analyst: SBC

Percent Solids: 92%

Extraction Method: EPA 3546

Extraction Date: 07/15/24 08:25

Cleanup Method1: EPH-19-2.1

Cleanup Date1: 07/17/24

**Quality Control Information**

Condition of sample received:

Satisfactory

Sample Temperature upon receipt:

Received on Ice

Sample Extraction method:

Extracted Per the Method

| Parameter                                                   | Result | Qualifier | Units | RL    | MDL | Dilution Factor |
|-------------------------------------------------------------|--------|-----------|-------|-------|-----|-----------------|
| <b>Extractable Petroleum Hydrocarbons - Westborough Lab</b> |        |           |       |       |     |                 |
| C9-C18 Aliphatics                                           | ND     |           | mg/kg | 7.04  | --  | 1               |
| C19-C36 Aliphatics                                          | ND     |           | mg/kg | 7.04  | --  | 1               |
| C11-C22 Aromatics                                           | ND     |           | mg/kg | 7.04  | --  | 1               |
| C11-C22 Aromatics, Adjusted                                 | ND     |           | mg/kg | 7.04  | --  | 1               |
| Naphthalene                                                 | ND     |           | mg/kg | 0.352 | --  | 1               |
| 2-Methylnaphthalene                                         | ND     |           | mg/kg | 0.352 | --  | 1               |
| Acenaphthylene                                              | ND     |           | mg/kg | 0.352 | --  | 1               |
| Acenaphthene                                                | ND     |           | mg/kg | 0.352 | --  | 1               |
| Fluorene                                                    | ND     |           | mg/kg | 0.352 | --  | 1               |
| Phenanthrene                                                | ND     |           | mg/kg | 0.352 | --  | 1               |
| Anthracene                                                  | ND     |           | mg/kg | 0.352 | --  | 1               |
| Fluoranthene                                                | ND     |           | mg/kg | 0.352 | --  | 1               |
| Pyrene                                                      | ND     |           | mg/kg | 0.352 | --  | 1               |
| Benzo(a)anthracene                                          | ND     |           | mg/kg | 0.352 | --  | 1               |
| Chrysene                                                    | ND     |           | mg/kg | 0.352 | --  | 1               |
| Benzo(b)fluoranthene                                        | ND     |           | mg/kg | 0.352 | --  | 1               |
| Benzo(k)fluoranthene                                        | ND     |           | mg/kg | 0.352 | --  | 1               |
| Benzo(a)pyrene                                              | ND     |           | mg/kg | 0.352 | --  | 1               |
| Indeno(1,2,3-cd)Pyrene                                      | ND     |           | mg/kg | 0.352 | --  | 1               |
| Dibenzo(a,h)anthracene                                      | ND     |           | mg/kg | 0.352 | --  | 1               |
| Benzo(ghi)perylene                                          | ND     |           | mg/kg | 0.352 | --  | 1               |



**Project Name:** TRURO DPW**Lab Number:** L2439378**Project Number:** TRU250.P2**Report Date:** 07/19/24**SAMPLE RESULTS**

Lab ID: L2439378-07

Date Collected: 07/11/24 13:00

Client ID: TP12-2-4

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

**Extractable Petroleum Hydrocarbons - Westborough Lab**

| Surrogate          | % Recovery | Qualifier | Acceptance Criteria |
|--------------------|------------|-----------|---------------------|
| Chloro-Octadecane  | 61         |           | 40-140              |
| o-Terphenyl        | 60         |           | 40-140              |
| 2-Fluorobiphenyl   | 68         |           | 40-140              |
| 2-Bromonaphthalene | 70         |           | 40-140              |



**Project Name:** TRURO DPW**Lab Number:** L2439378**Project Number:** TRU250.P2**Report Date:** 07/19/24**SAMPLE RESULTS**

Lab ID: L2439378-08

Date Collected: 07/12/24 12:10

Client ID: TP7-4-6

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 131, VPH-18-2.1

Analytical Date: 07/19/24 01:00

Analyst: BAD

Percent Solids: 96%

Trap: EST, Carbopack B/Carboxen 1000&amp;1001

Analytical Column: Restek, RTX-502.2,  
105m, 0.53ID, 3um**Quality Control Information**

Condition of sample received:

Satisfactory

Sample Temperature upon receipt:

Received on Ice

Were samples received in methanol?

Yes (Covering the Soil)

Methanol ratio:

1:1 +/- 25%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

**Volatile Petroleum Hydrocarbons - Westborough Lab**

|                             |    |  |       |      |    |   |
|-----------------------------|----|--|-------|------|----|---|
| C5-C8 Aliphatics            | ND |  | mg/kg | 5.80 | -- | 1 |
| C9-C12 Aliphatics           | ND |  | mg/kg | 5.80 | -- | 1 |
| C9-C10 Aromatics            | ND |  | mg/kg | 5.80 | -- | 1 |
| C5-C8 Aliphatics, Adjusted  | ND |  | mg/kg | 5.80 | -- | 1 |
| C9-C12 Aliphatics, Adjusted | ND |  | mg/kg | 5.80 | -- | 1 |

| Surrogate              | % Recovery | Qualifier | Acceptance Criteria |
|------------------------|------------|-----------|---------------------|
| 2,5-Dibromotoluene-PID | 120        |           | 70-130              |
| 2,5-Dibromotoluene-FID | 122        |           | 70-130              |



**Project Name:** TRURO DPW**Lab Number:** L2439378**Project Number:** TRU250.P2**Report Date:** 07/19/24**SAMPLE RESULTS**

Lab ID: L2439378-08

Client ID: TP7-4-6

Sample Location: TRURO, MA

Date Collected: 07/12/24 12:10

Date Received: 07/12/24

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 135,EPH-19-2.1

Analytical Date: 07/17/24 11:42

Analyst: SBC

Percent Solids: 96%

Extraction Method: EPA 3546

Extraction Date: 07/15/24 08:25

Cleanup Method1: EPH-19-2.1

Cleanup Date1: 07/17/24

**Quality Control Information**

Condition of sample received:

Satisfactory

Sample Temperature upon receipt:

Received on Ice

Sample Extraction method:

Extracted Per the Method

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

**Extractable Petroleum Hydrocarbons - Westborough Lab**

|                             |      |  |       |       |    |   |
|-----------------------------|------|--|-------|-------|----|---|
| C9-C18 Aliphatics           | ND   |  | mg/kg | 6.82  | -- | 1 |
| C19-C36 Aliphatics          | 18.7 |  | mg/kg | 6.82  | -- | 1 |
| C11-C22 Aromatics           | ND   |  | mg/kg | 6.82  | -- | 1 |
| C11-C22 Aromatics, Adjusted | ND   |  | mg/kg | 6.82  | -- | 1 |
| Naphthalene                 | ND   |  | mg/kg | 0.341 | -- | 1 |
| 2-Methylnaphthalene         | ND   |  | mg/kg | 0.341 | -- | 1 |
| Acenaphthylene              | ND   |  | mg/kg | 0.341 | -- | 1 |
| Acenaphthene                | ND   |  | mg/kg | 0.341 | -- | 1 |
| Fluorene                    | ND   |  | mg/kg | 0.341 | -- | 1 |
| Phenanthrene                | ND   |  | mg/kg | 0.341 | -- | 1 |
| Anthracene                  | ND   |  | mg/kg | 0.341 | -- | 1 |
| Fluoranthene                | ND   |  | mg/kg | 0.341 | -- | 1 |
| Pyrene                      | ND   |  | mg/kg | 0.341 | -- | 1 |
| Benzo(a)anthracene          | ND   |  | mg/kg | 0.341 | -- | 1 |
| Chrysene                    | ND   |  | mg/kg | 0.341 | -- | 1 |
| Benzo(b)fluoranthene        | ND   |  | mg/kg | 0.341 | -- | 1 |
| Benzo(k)fluoranthene        | ND   |  | mg/kg | 0.341 | -- | 1 |
| Benzo(a)pyrene              | ND   |  | mg/kg | 0.341 | -- | 1 |
| Indeno(1,2,3-cd)Pyrene      | ND   |  | mg/kg | 0.341 | -- | 1 |
| Dibenzo(a,h)anthracene      | ND   |  | mg/kg | 0.341 | -- | 1 |
| Benzo(ghi)perylene          | ND   |  | mg/kg | 0.341 | -- | 1 |



**Project Name:** TRURO DPW**Lab Number:** L2439378**Project Number:** TRU250.P2**Report Date:** 07/19/24**SAMPLE RESULTS**

Lab ID: L2439378-08

Date Collected: 07/12/24 12:10

Client ID: TP7-4-6

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

**Extractable Petroleum Hydrocarbons - Westborough Lab**

| Surrogate          | % Recovery | Qualifier | Acceptance Criteria |
|--------------------|------------|-----------|---------------------|
| Chloro-Octadecane  | 78         |           | 40-140              |
| o-Terphenyl        | 51         |           | 40-140              |
| 2-Fluorobiphenyl   | 55         |           | 40-140              |
| 2-Bromonaphthalene | 57         |           | 40-140              |

**Project Name:** TRURO DPW**Lab Number:** L2439378**Project Number:** TRU250.P2**Report Date:** 07/19/24**SAMPLE RESULTS**

Lab ID: L2439378-09

Date Collected: 07/12/24 13:15

Client ID: TP8-0-2

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 131, VPH-18-2.1

Analytical Date: 07/19/24 01:36

Analyst: BAD

Percent Solids: 94%

Trap: EST, Carbopack B/Carboxen 1000&amp;1001

Analytical Column: Restek, RTX-502.2,  
105m, 0.53ID, 3um**Quality Control Information**

Condition of sample received:

Satisfactory

Sample Temperature upon receipt:

Received on Ice

Were samples received in methanol?

Yes (Covering the Soil)

Methanol ratio:

1:1 +/- 25%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

**Volatile Petroleum Hydrocarbons - Westborough Lab**

|                             |    |  |       |      |    |   |
|-----------------------------|----|--|-------|------|----|---|
| C5-C8 Aliphatics            | ND |  | mg/kg | 6.20 | -- | 1 |
| C9-C12 Aliphatics           | ND |  | mg/kg | 6.20 | -- | 1 |
| C9-C10 Aromatics            | ND |  | mg/kg | 6.20 | -- | 1 |
| C5-C8 Aliphatics, Adjusted  | ND |  | mg/kg | 6.20 | -- | 1 |
| C9-C12 Aliphatics, Adjusted | ND |  | mg/kg | 6.20 | -- | 1 |

| Surrogate              | % Recovery | Qualifier | Acceptance Criteria |
|------------------------|------------|-----------|---------------------|
| 2,5-Dibromotoluene-PID | 131        | Q         | 70-130              |
| 2,5-Dibromotoluene-FID | 134        | Q         | 70-130              |



**Project Name:** TRURO DPW**Lab Number:** L2439378**Project Number:** TRU250.P2**Report Date:** 07/19/24**SAMPLE RESULTS**

Lab ID: L2439378-09

Client ID: TP8-0-2

Sample Location: TRURO, MA

Date Collected: 07/12/24 13:15

Date Received: 07/12/24

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 135,EPH-19-2.1

Analytical Date: 07/17/24 12:07

Analyst: SBC

Percent Solids: 94%

Extraction Method: EPA 3546

Extraction Date: 07/15/24 08:25

Cleanup Method1: EPH-19-2.1

Cleanup Date1: 07/17/24

**Quality Control Information**

Condition of sample received:

Satisfactory

Sample Temperature upon receipt:

Received on Ice

Sample Extraction method:

Extracted Per the Method

| Parameter                                                   | Result | Qualifier | Units | RL    | MDL | Dilution Factor |
|-------------------------------------------------------------|--------|-----------|-------|-------|-----|-----------------|
| <b>Extractable Petroleum Hydrocarbons - Westborough Lab</b> |        |           |       |       |     |                 |
| C9-C18 Aliphatics                                           | ND     |           | mg/kg | 7.02  | --  | 1               |
| C19-C36 Aliphatics                                          | 28.9   |           | mg/kg | 7.02  | --  | 1               |
| C11-C22 Aromatics                                           | 15.3   |           | mg/kg | 7.02  | --  | 1               |
| C11-C22 Aromatics, Adjusted                                 | 15.3   |           | mg/kg | 7.02  | --  | 1               |
| Naphthalene                                                 | ND     |           | mg/kg | 0.351 | --  | 1               |
| 2-Methylnaphthalene                                         | ND     |           | mg/kg | 0.351 | --  | 1               |
| Acenaphthylene                                              | ND     |           | mg/kg | 0.351 | --  | 1               |
| Acenaphthene                                                | ND     |           | mg/kg | 0.351 | --  | 1               |
| Fluorene                                                    | ND     |           | mg/kg | 0.351 | --  | 1               |
| Phenanthrene                                                | ND     |           | mg/kg | 0.351 | --  | 1               |
| Anthracene                                                  | ND     |           | mg/kg | 0.351 | --  | 1               |
| Fluoranthene                                                | ND     |           | mg/kg | 0.351 | --  | 1               |
| Pyrene                                                      | ND     |           | mg/kg | 0.351 | --  | 1               |
| Benzo(a)anthracene                                          | ND     |           | mg/kg | 0.351 | --  | 1               |
| Chrysene                                                    | ND     |           | mg/kg | 0.351 | --  | 1               |
| Benzo(b)fluoranthene                                        | ND     |           | mg/kg | 0.351 | --  | 1               |
| Benzo(k)fluoranthene                                        | ND     |           | mg/kg | 0.351 | --  | 1               |
| Benzo(a)pyrene                                              | ND     |           | mg/kg | 0.351 | --  | 1               |
| Indeno(1,2,3-cd)Pyrene                                      | ND     |           | mg/kg | 0.351 | --  | 1               |
| Dibenzo(a,h)anthracene                                      | ND     |           | mg/kg | 0.351 | --  | 1               |
| Benzo(ghi)perylene                                          | ND     |           | mg/kg | 0.351 | --  | 1               |



**Project Name:** TRURO DPW**Lab Number:** L2439378**Project Number:** TRU250.P2**Report Date:** 07/19/24**SAMPLE RESULTS**

Lab ID: L2439378-09

Date Collected: 07/12/24 13:15

Client ID: TP8-0-2

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

**Extractable Petroleum Hydrocarbons - Westborough Lab**

| Surrogate          | % Recovery | Qualifier | Acceptance Criteria |
|--------------------|------------|-----------|---------------------|
| Chloro-Octadecane  | 67         |           | 40-140              |
| o-Terphenyl        | 60         |           | 40-140              |
| 2-Fluorobiphenyl   | 69         |           | 40-140              |
| 2-Bromonaphthalene | 71         |           | 40-140              |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439378  
**Report Date:** 07/19/24

### Method Blank Analysis Batch Quality Control

**Analytical Method:** 135,EPH-19-2.1  
**Analytical Date:** 07/15/24 08:44  
**Analyst:** CRE

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/14/24 12:02  
**Cleanup Method:** EPH-19-2.1  
**Cleanup Date:** 07/15/24

| Parameter                                                                                    | Result | Qualifier | Units | RL    | MDL |
|----------------------------------------------------------------------------------------------|--------|-----------|-------|-------|-----|
| Extractable Petroleum Hydrocarbons - Westborough Lab for sample(s): 01-09 Batch: WG1946766-1 |        |           |       |       |     |
| C9-C18 Aliphatics                                                                            | ND     |           | mg/kg | 6.51  | --  |
| C19-C36 Aliphatics                                                                           | ND     |           | mg/kg | 6.51  | --  |
| C11-C22 Aromatics                                                                            | ND     |           | mg/kg | 6.51  | --  |
| C11-C22 Aromatics, Adjusted                                                                  | ND     |           | mg/kg | 6.51  | --  |
| Naphthalene                                                                                  | ND     |           | mg/kg | 0.326 | --  |
| 2-Methylnaphthalene                                                                          | ND     |           | mg/kg | 0.326 | --  |
| Acenaphthylene                                                                               | ND     |           | mg/kg | 0.326 | --  |
| Acenaphthene                                                                                 | ND     |           | mg/kg | 0.326 | --  |
| Fluorene                                                                                     | ND     |           | mg/kg | 0.326 | --  |
| Phenanthrene                                                                                 | ND     |           | mg/kg | 0.326 | --  |
| Anthracene                                                                                   | ND     |           | mg/kg | 0.326 | --  |
| Fluoranthene                                                                                 | ND     |           | mg/kg | 0.326 | --  |
| Pyrene                                                                                       | ND     |           | mg/kg | 0.326 | --  |
| Benzo(a)anthracene                                                                           | ND     |           | mg/kg | 0.326 | --  |
| Chrysene                                                                                     | ND     |           | mg/kg | 0.326 | --  |
| Benzo(b)fluoranthene                                                                         | ND     |           | mg/kg | 0.326 | --  |
| Benzo(k)fluoranthene                                                                         | ND     |           | mg/kg | 0.326 | --  |
| Benzo(a)pyrene                                                                               | ND     |           | mg/kg | 0.326 | --  |
| Indeno(1,2,3-cd)Pyrene                                                                       | ND     |           | mg/kg | 0.326 | --  |
| Dibenzo(a,h)anthracene                                                                       | ND     |           | mg/kg | 0.326 | --  |
| Benzo(ghi)perylene                                                                           | ND     |           | mg/kg | 0.326 | --  |

| Surrogate          | %Recovery | Qualifier | Acceptance Criteria |
|--------------------|-----------|-----------|---------------------|
| Chloro-Octadecane  | 61        |           | 40-140              |
| o-Terphenyl        | 59        |           | 40-140              |
| 2-Fluorobiphenyl   | 65        |           | 40-140              |
| 2-Bromonaphthalene | 66        |           | 40-140              |



Project Name: TRURO DPW

Project Number: TRU250.P2

Lab Number: L2439378

Report Date: 07/19/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 131,VPH-18-2.1

Analytical Date: 07/16/24 12:32

Analyst: BAD

| Parameter                                                                              | Result | Qualifier | Units | RL   | MDL |
|----------------------------------------------------------------------------------------|--------|-----------|-------|------|-----|
| Volatile Petroleum Hydrocarbons - Westborough Lab for sample(s): 01 Batch: WG1948009-4 |        |           |       |      |     |
| C5-C8 Aliphatics                                                                       | ND     |           | mg/kg | 5.00 | --  |
| C9-C12 Aliphatics                                                                      | ND     |           | mg/kg | 5.00 | --  |
| C9-C10 Aromatics                                                                       | ND     |           | mg/kg | 5.00 | --  |
| C5-C8 Aliphatics, Adjusted                                                             | ND     |           | mg/kg | 5.00 | --  |
| C9-C12 Aliphatics, Adjusted                                                            | ND     |           | mg/kg | 5.00 | --  |

| Surrogate              | %Recovery | Qualifier | Acceptance<br>Criteria |
|------------------------|-----------|-----------|------------------------|
| 2,5-Dibromotoluene-PID | 101       |           | 70-130                 |
| 2,5-Dibromotoluene-FID | 98        |           | 70-130                 |



Project Name: TRURO DPW

Project Number: TRU250.P2

Lab Number: L2439378

Report Date: 07/19/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 131, VPH-18-2.1

Analytical Date: 07/18/24 21:26

Analyst: BAD

| Parameter                                                                                 | Result | Qualifier | Units | RL   | MDL |
|-------------------------------------------------------------------------------------------|--------|-----------|-------|------|-----|
| Volatile Petroleum Hydrocarbons - Westborough Lab for sample(s): 03-09 Batch: WG1949023-4 |        |           |       |      |     |
| C5-C8 Aliphatics                                                                          | ND     |           | mg/kg | 5.00 | --  |
| C9-C12 Aliphatics                                                                         | ND     |           | mg/kg | 5.00 | --  |
| C9-C10 Aromatics                                                                          | ND     |           | mg/kg | 5.00 | --  |
| C5-C8 Aliphatics, Adjusted                                                                | ND     |           | mg/kg | 5.00 | --  |
| C9-C12 Aliphatics, Adjusted                                                               | ND     |           | mg/kg | 5.00 | --  |

| Surrogate              | %Recovery | Qualifier | Acceptance<br>Criteria |
|------------------------|-----------|-----------|------------------------|
| 2,5-Dibromotoluene-PID | 95        |           | 70-130                 |
| 2,5-Dibromotoluene-FID | 94        |           | 70-130                 |

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** TRURO DPW

**Project Number:** TRU250.P2

**Lab Number:** L2439378

**Report Date:** 07/19/24

| <b>Parameter</b>                                                                                                | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>%Recovery<br/>Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD<br/>Limits</b> |
|-----------------------------------------------------------------------------------------------------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
| Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01-09 Batch: WG1946766-2 WG1946766-3 |                          |             |                           |             |                             |            |             |                       |
| C9-C18 Aliphatics                                                                                               | 61                       |             | 59                        |             | 40-140                      | 3          |             | 25                    |
| C19-C36 Aliphatics                                                                                              | 78                       |             | 76                        |             | 40-140                      | 3          |             | 25                    |
| C11-C22 Aromatics                                                                                               | 70                       |             | 61                        |             | 40-140                      | 14         |             | 25                    |
| Naphthalene                                                                                                     | 65                       |             | 56                        |             | 40-140                      | 15         |             | 25                    |
| 2-Methylnaphthalene                                                                                             | 65                       |             | 57                        |             | 40-140                      | 13         |             | 25                    |
| Acenaphthylene                                                                                                  | 65                       |             | 56                        |             | 40-140                      | 15         |             | 25                    |
| Acenaphthene                                                                                                    | 67                       |             | 58                        |             | 40-140                      | 14         |             | 25                    |
| Fluorene                                                                                                        | 66                       |             | 57                        |             | 40-140                      | 15         |             | 25                    |
| Phenanthrene                                                                                                    | 64                       |             | 56                        |             | 40-140                      | 13         |             | 25                    |
| Anthracene                                                                                                      | 77                       |             | 67                        |             | 40-140                      | 14         |             | 25                    |
| Fluoranthene                                                                                                    | 64                       |             | 55                        |             | 40-140                      | 15         |             | 25                    |
| Pyrene                                                                                                          | 61                       |             | 53                        |             | 40-140                      | 14         |             | 25                    |
| Benzo(a)anthracene                                                                                              | 68                       |             | 59                        |             | 40-140                      | 14         |             | 25                    |
| Chrysene                                                                                                        | 66                       |             | 57                        |             | 40-140                      | 15         |             | 25                    |
| Benzo(b)fluoranthene                                                                                            | 65                       |             | 57                        |             | 40-140                      | 13         |             | 25                    |
| Benzo(k)fluoranthene                                                                                            | 64                       |             | 56                        |             | 40-140                      | 13         |             | 25                    |
| Benzo(a)pyrene                                                                                                  | 79                       |             | 69                        |             | 40-140                      | 14         |             | 25                    |
| Indeno(1,2,3-cd)Pyrene                                                                                          | 69                       |             | 60                        |             | 40-140                      | 14         |             | 25                    |
| Dibenzo(a,h)anthracene                                                                                          | 67                       |             | 59                        |             | 40-140                      | 13         |             | 25                    |
| Benzo(ghi)perylene                                                                                              | 63                       |             | 55                        |             | 40-140                      | 14         |             | 25                    |

# **Lab Control Sample Analysis** Batch Quality Control

Project Name: TRURO DPW

Lab Number: L2439378

Project Number: TRU250.P2

Report Date: 07/19/24

| Parameter                                                                                                       | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01-09 Batch: WG1946766-2 WG1946766-3 |                  |      |                   |      |                     |     |      |               |

| Surrogate                          | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|------------------------------------|------------------|------|-------------------|------|------------------------|
| Chloro-Octadecane                  | 66               |      | 64                |      | 40-140                 |
| o-Terphenyl                        | 65               |      | 57                |      | 40-140                 |
| 2-Fluorobiphenyl                   | 73               |      | 64                |      | 40-140                 |
| 2-Bromonaphthalene                 | 75               |      | 66                |      | 40-140                 |
| % Naphthalene Breakthrough         | 0                |      | 0                 |      |                        |
| % 2-Methylnaphthalene Breakthrough | 0                |      | 0                 |      |                        |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU250.P2

Lab Number: L2439378

Report Date: 07/19/24

| Parameter                                                                                                 | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01 Batch: WG1948009-2 WG1948009-3 |                  |      |                   |      |                     |     |      |               |
| C5-C8 Aliphatics                                                                                          | 95               |      | 96                |      | 70-130              | 0   |      | 25            |
| C9-C12 Aliphatics                                                                                         | 92               |      | 92                |      | 70-130              | 1   |      | 25            |
| C9-C10 Aromatics                                                                                          | 84               |      | 82                |      | 70-130              | 3   |      | 25            |
| Benzene                                                                                                   | 87               |      | 86                |      | 70-130              | 1   |      | 25            |
| Toluene                                                                                                   | 86               |      | 84                |      | 70-130              | 2   |      | 25            |
| Ethylbenzene                                                                                              | 86               |      | 85                |      | 70-130              | 1   |      | 25            |
| p/m-Xylene                                                                                                | 88               |      | 86                |      | 70-130              | 2   |      | 25            |
| o-Xylene                                                                                                  | 86               |      | 83                |      | 70-130              | 3   |      | 25            |
| Methyl tert butyl ether                                                                                   | 102              |      | 97                |      | 70-130              | 5   |      | 25            |
| Naphthalene                                                                                               | 96               |      | 88                |      | 70-130              | 9   |      | 25            |
| 1,2,4-Trimethylbenzene                                                                                    | 85               |      | 82                |      | 70-130              | 3   |      | 25            |
| Pentane                                                                                                   | 95               |      | 94                |      | 70-130              | 1   |      | 25            |
| 2-Methylpentane                                                                                           | 96               |      | 97                |      | 70-130              | 1   |      | 25            |
| 2,2,4-Trimethylpentane                                                                                    | 96               |      | 98                |      | 70-130              | 2   |      | 25            |
| n-Nonane                                                                                                  | 93               |      | 94                |      | 30-130              | 1   |      | 25            |
| n-Decane                                                                                                  | 91               |      | 92                |      | 70-130              | 1   |      | 25            |
| n-Butylcyclohexane                                                                                        | 91               |      | 91                |      | 70-130              | 0   |      | 25            |

| Surrogate              | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|------------------------|------------------|------|-------------------|------|------------------------|
| 2,5-Dibromotoluene-PID | 96               |      | 88                |      | 70-130                 |
| 2,5-Dibromotoluene-FID | 96               |      | 91                |      | 70-130                 |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU250.P2

Lab Number: L2439378

Report Date: 07/19/24

| Parameter                                                                                                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 03-09 Batch: WG1949023-2 WG1949023-3 |                  |      |                   |      |                     |     |      |               |
| C5-C8 Aliphatics                                                                                             | 90               |      | 92                |      | 70-130              | 2   |      | 25            |
| C9-C12 Aliphatics                                                                                            | 89               |      | 92                |      | 70-130              | 3   |      | 25            |
| C9-C10 Aromatics                                                                                             | 81               |      | 84                |      | 70-130              | 3   |      | 25            |
| Benzene                                                                                                      | 88               |      | 86                |      | 70-130              | 3   |      | 25            |
| Toluene                                                                                                      | 83               |      | 86                |      | 70-130              | 3   |      | 25            |
| Ethylbenzene                                                                                                 | 82               |      | 86                |      | 70-130              | 5   |      | 25            |
| p/m-Xylene                                                                                                   | 84               |      | 88                |      | 70-130              | 5   |      | 25            |
| o-Xylene                                                                                                     | 81               |      | 86                |      | 70-130              | 6   |      | 25            |
| Methyl tert butyl ether                                                                                      | 96               |      | 96                |      | 70-130              | 0   |      | 25            |
| Naphthalene                                                                                                  | 86               |      | 88                |      | 70-130              | 2   |      | 25            |
| 1,2,4-Trimethylbenzene                                                                                       | 81               |      | 84                |      | 70-130              | 4   |      | 25            |
| Pentane                                                                                                      | 84               |      | 88                |      | 70-130              | 5   |      | 25            |
| 2-Methylpentane                                                                                              | 93               |      | 90                |      | 70-130              | 3   |      | 25            |
| 2,2,4-Trimethylpentane                                                                                       | 91               |      | 94                |      | 70-130              | 4   |      | 25            |
| n-Nonane                                                                                                     | 90               |      | 92                |      | 30-130              | 3   |      | 25            |
| n-Decane                                                                                                     | 90               |      | 93                |      | 70-130              | 3   |      | 25            |
| n-Butylcyclohexane                                                                                           | 88               |      | 92                |      | 70-130              | 4   |      | 25            |

| Surrogate              | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|------------------------|------------------|------|-------------------|------|------------------------|
| 2,5-Dibromotoluene-PID | 88               |      | 89                |      | 70-130                 |
| 2,5-Dibromotoluene-FID | 88               |      | 88                |      | 70-130                 |

# PCBS

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439378  
**Report Date:** 07/19/24

**SAMPLE RESULTS**

**Lab ID:** L2439378-01  
**Client ID:** TP1-0-2  
**Sample Location:** TRURO, MA

**Date Collected:** 07/12/24 07:45  
**Date Received:** 07/12/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 97,8082A  
**Analytical Date:** 07/18/24 00:01  
**Analyst:** EMR  
**Percent Solids:** 95%

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/16/24 04:20  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 07/17/24  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 07/17/24

| Parameter                                       | Result | Qualifier | Units | RL   | MDL | Dilution Factor | Column |
|-------------------------------------------------|--------|-----------|-------|------|-----|-----------------|--------|
| MCP Polychlorinated Biphenyls - Westborough Lab |        |           |       |      |     |                 |        |
| Aroclor 1016                                    | ND     |           | ug/kg | 48.9 | --  | 1               | A      |
| Aroclor 1221                                    | ND     |           | ug/kg | 48.9 | --  | 1               | A      |
| Aroclor 1232                                    | ND     |           | ug/kg | 48.9 | --  | 1               | A      |
| Aroclor 1242                                    | ND     |           | ug/kg | 48.9 | --  | 1               | A      |
| Aroclor 1248                                    | ND     |           | ug/kg | 48.9 | --  | 1               | A      |
| Aroclor 1254                                    | ND     |           | ug/kg | 48.9 | --  | 1               | A      |
| Aroclor 1260                                    | ND     |           | ug/kg | 48.9 | --  | 1               | A      |
| Aroclor 1262                                    | ND     |           | ug/kg | 48.9 | --  | 1               | A      |
| Aroclor 1268                                    | ND     |           | ug/kg | 48.9 | --  | 1               | A      |
| PCBs, Total                                     | ND     |           | ug/kg | 48.9 | --  | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 76         |           | 30-150              | A      |
| Decachlorobiphenyl           | 77         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 78         |           | 30-150              | B      |
| Decachlorobiphenyl           | 83         |           | 30-150              | B      |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439378  
**Report Date:** 07/19/24

**SAMPLE RESULTS**

**Lab ID:** L2439378-03  
**Client ID:** TP2-2-4  
**Sample Location:** TRURO, MA

**Date Collected:** 07/12/24 08:50  
**Date Received:** 07/12/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 97,8082A  
**Analytical Date:** 07/17/24 03:24  
**Analyst:** MHG  
**Percent Solids:** 98%

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/16/24 04:20  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 07/16/24  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 07/17/24

| Parameter                                       | Result | Qualifier | Units | RL   | MDL | Dilution Factor | Column |
|-------------------------------------------------|--------|-----------|-------|------|-----|-----------------|--------|
| MCP Polychlorinated Biphenyls - Westborough Lab |        |           |       |      |     |                 |        |
| Aroclor 1016                                    | ND     |           | ug/kg | 56.8 | --  | 1               | A      |
| Aroclor 1221                                    | ND     |           | ug/kg | 56.8 | --  | 1               | A      |
| Aroclor 1232                                    | ND     |           | ug/kg | 56.8 | --  | 1               | A      |
| Aroclor 1242                                    | ND     |           | ug/kg | 56.8 | --  | 1               | A      |
| Aroclor 1248                                    | ND     |           | ug/kg | 56.8 | --  | 1               | A      |
| Aroclor 1254                                    | ND     |           | ug/kg | 56.8 | --  | 1               | A      |
| Aroclor 1260                                    | ND     |           | ug/kg | 56.8 | --  | 1               | A      |
| Aroclor 1262                                    | ND     |           | ug/kg | 56.8 | --  | 1               | A      |
| Aroclor 1268                                    | ND     |           | ug/kg | 56.8 | --  | 1               | A      |
| PCBs, Total                                     | ND     |           | ug/kg | 56.8 | --  | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 83         |           | 30-150              | A      |
| Decachlorobiphenyl           | 63         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 78         |           | 30-150              | B      |
| Decachlorobiphenyl           | 70         |           | 30-150              | B      |



**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439378  
**Report Date:** 07/19/24

**SAMPLE RESULTS**

**Lab ID:** L2439378-04  
**Client ID:** TP3-8-10  
**Sample Location:** TRURO, MA

**Date Collected:** 07/12/24 10:00  
**Date Received:** 07/12/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 97,8082A  
**Analytical Date:** 07/18/24 00:13  
**Analyst:** EMR  
**Percent Solids:** 98%

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/16/24 04:20  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 07/17/24  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 07/17/24

| Parameter                                       | Result | Qualifier | Units | RL  | MDL | Dilution Factor | Column |
|-------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|--------|
| MCP Polychlorinated Biphenyls - Westborough Lab |        |           |       |     |     |                 |        |
| Aroclor 1016                                    | ND     |           | ug/kg | 116 | --  | 1               | A      |
| Aroclor 1221                                    | ND     |           | ug/kg | 116 | --  | 1               | A      |
| Aroclor 1232                                    | ND     |           | ug/kg | 116 | --  | 1               | A      |
| Aroclor 1242                                    | ND     |           | ug/kg | 116 | --  | 1               | A      |
| Aroclor 1248                                    | ND     |           | ug/kg | 116 | --  | 1               | A      |
| Aroclor 1254                                    | ND     |           | ug/kg | 116 | --  | 1               | A      |
| Aroclor 1260                                    | ND     |           | ug/kg | 116 | --  | 1               | A      |
| Aroclor 1262                                    | ND     |           | ug/kg | 116 | --  | 1               | A      |
| Aroclor 1268                                    | ND     |           | ug/kg | 116 | --  | 1               | A      |
| PCBs, Total                                     | ND     |           | ug/kg | 116 | --  | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 78         |           | 30-150              | A      |
| Decachlorobiphenyl           | 84         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 81         |           | 30-150              | B      |
| Decachlorobiphenyl           | 88         |           | 30-150              | B      |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439378  
**Report Date:** 07/19/24

**SAMPLE RESULTS**

**Lab ID:** L2439378-07  
**Client ID:** TP12-2-4  
**Sample Location:** TRURO, MA

**Date Collected:** 07/11/24 13:00  
**Date Received:** 07/12/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 97,8082A  
**Analytical Date:** 07/18/24 00:24  
**Analyst:** EMR  
**Percent Solids:** 92%

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/16/24 04:20  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 07/17/24  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 07/17/24

| Parameter                                       | Result | Qualifier | Units | RL   | MDL | Dilution Factor | Column |
|-------------------------------------------------|--------|-----------|-------|------|-----|-----------------|--------|
| MCP Polychlorinated Biphenyls - Westborough Lab |        |           |       |      |     |                 |        |
| Aroclor 1016                                    | ND     |           | ug/kg | 79.0 | --  | 1               | A      |
| Aroclor 1221                                    | ND     |           | ug/kg | 79.0 | --  | 1               | A      |
| Aroclor 1232                                    | ND     |           | ug/kg | 79.0 | --  | 1               | A      |
| Aroclor 1242                                    | ND     |           | ug/kg | 79.0 | --  | 1               | A      |
| Aroclor 1248                                    | ND     |           | ug/kg | 79.0 | --  | 1               | A      |
| Aroclor 1254                                    | ND     |           | ug/kg | 79.0 | --  | 1               | A      |
| Aroclor 1260                                    | ND     |           | ug/kg | 79.0 | --  | 1               | A      |
| Aroclor 1262                                    | ND     |           | ug/kg | 79.0 | --  | 1               | A      |
| Aroclor 1268                                    | ND     |           | ug/kg | 79.0 | --  | 1               | A      |
| PCBs, Total                                     | ND     |           | ug/kg | 79.0 | --  | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 77         |           | 30-150              | A      |
| Decachlorobiphenyl           | 80         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 80         |           | 30-150              | B      |
| Decachlorobiphenyl           | 84         |           | 30-150              | B      |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439378  
**Report Date:** 07/19/24

**SAMPLE RESULTS**

**Lab ID:** L2439378-08  
**Client ID:** TP7-4-6  
**Sample Location:** TRURO, MA

**Date Collected:** 07/12/24 12:10  
**Date Received:** 07/12/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 97,8082A  
**Analytical Date:** 07/17/24 03:34  
**Analyst:** MHG  
**Percent Solids:** 96%

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/16/24 04:20  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 07/16/24  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 07/17/24

| Parameter                                       | Result | Qualifier | Units | RL   | MDL | Dilution Factor | Column |
|-------------------------------------------------|--------|-----------|-------|------|-----|-----------------|--------|
| MCP Polychlorinated Biphenyls - Westborough Lab |        |           |       |      |     |                 |        |
| Aroclor 1016                                    | ND     |           | ug/kg | 84.7 | --  | 1               | A      |
| Aroclor 1221                                    | ND     |           | ug/kg | 84.7 | --  | 1               | A      |
| Aroclor 1232                                    | ND     |           | ug/kg | 84.7 | --  | 1               | A      |
| Aroclor 1242                                    | ND     |           | ug/kg | 84.7 | --  | 1               | A      |
| Aroclor 1248                                    | ND     |           | ug/kg | 84.7 | --  | 1               | A      |
| Aroclor 1254                                    | ND     |           | ug/kg | 84.7 | --  | 1               | A      |
| Aroclor 1260                                    | ND     |           | ug/kg | 84.7 | --  | 1               | A      |
| Aroclor 1262                                    | ND     |           | ug/kg | 84.7 | --  | 1               | A      |
| Aroclor 1268                                    | ND     |           | ug/kg | 84.7 | --  | 1               | A      |
| PCBs, Total                                     | ND     |           | ug/kg | 84.7 | --  | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 79         |           | 30-150              | A      |
| Decachlorobiphenyl           | 62         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 74         |           | 30-150              | B      |
| Decachlorobiphenyl           | 68         |           | 30-150              | B      |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439378  
**Report Date:** 07/19/24

**SAMPLE RESULTS**

**Lab ID:** L2439378-09  
**Client ID:** TP8-0-2  
**Sample Location:** TRURO, MA

**Date Collected:** 07/12/24 13:15  
**Date Received:** 07/12/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 97,8082A  
**Analytical Date:** 07/17/24 03:44  
**Analyst:** MHG  
**Percent Solids:** 94%

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/16/24 04:20  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 07/16/24  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 07/17/24

| Parameter                                       | Result | Qualifier | Units | RL   | MDL | Dilution Factor | Column |
|-------------------------------------------------|--------|-----------|-------|------|-----|-----------------|--------|
| MCP Polychlorinated Biphenyls - Westborough Lab |        |           |       |      |     |                 |        |
| Aroclor 1016                                    | ND     |           | ug/kg | 78.2 | --  | 1               | A      |
| Aroclor 1221                                    | ND     |           | ug/kg | 78.2 | --  | 1               | A      |
| Aroclor 1232                                    | ND     |           | ug/kg | 78.2 | --  | 1               | A      |
| Aroclor 1242                                    | ND     |           | ug/kg | 78.2 | --  | 1               | A      |
| Aroclor 1248                                    | ND     |           | ug/kg | 78.2 | --  | 1               | A      |
| Aroclor 1254                                    | ND     |           | ug/kg | 78.2 | --  | 1               | A      |
| Aroclor 1260                                    | ND     |           | ug/kg | 78.2 | --  | 1               | A      |
| Aroclor 1262                                    | ND     |           | ug/kg | 78.2 | --  | 1               | A      |
| Aroclor 1268                                    | ND     |           | ug/kg | 78.2 | --  | 1               | A      |
| PCBs, Total                                     | ND     |           | ug/kg | 78.2 | --  | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 80         |           | 30-150              | A      |
| Decachlorobiphenyl           | 63         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 76         |           | 30-150              | B      |
| Decachlorobiphenyl           | 70         |           | 30-150              | B      |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439378  
**Report Date:** 07/19/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 97,8082A  
 Analytical Date: 07/17/24 02:54  
 Analyst: MHG

Extraction Method: EPA 3546  
 Extraction Date: 07/16/24 04:20  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 07/16/24  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 07/17/24

| Parameter                                                                                        | Result | Qualifier | Units | RL | MDL | Column |
|--------------------------------------------------------------------------------------------------|--------|-----------|-------|----|-----|--------|
| MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01,03-04,07-09 Batch: WG1947323-1 |        |           |       |    |     |        |

|              |    |  |       |      |    |   |
|--------------|----|--|-------|------|----|---|
| Aroclor 1016 | ND |  | ug/kg | 49.6 | -- | A |
| Aroclor 1221 | ND |  | ug/kg | 49.6 | -- | A |
| Aroclor 1232 | ND |  | ug/kg | 49.6 | -- | A |
| Aroclor 1242 | ND |  | ug/kg | 49.6 | -- | A |
| Aroclor 1248 | ND |  | ug/kg | 49.6 | -- | A |
| Aroclor 1254 | ND |  | ug/kg | 49.6 | -- | A |
| Aroclor 1260 | ND |  | ug/kg | 49.6 | -- | A |
| Aroclor 1262 | ND |  | ug/kg | 49.6 | -- | A |
| Aroclor 1268 | ND |  | ug/kg | 49.6 | -- | A |
| PCBs, Total  | ND |  | ug/kg | 49.6 | -- | A |

| Surrogate                    | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 86        |           | 30-150                 | A      |
| Decachlorobiphenyl           | 66        |           | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 81        |           | 30-150                 | B      |
| Decachlorobiphenyl           | 73        |           | 30-150                 | B      |

# **Lab Control Sample Analysis** Batch Quality Control

Project Name: TRURO DPW

Lab Number: L2439378

Project Number: TRU250.P2

Report Date: 07/19/24

| Parameter                                                                                                           | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|---------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01,03-04,07-09 Batch: WG1947323-2 WG1947323-3 |                  |      |                   |      |                     |     |      |               |        |
| Aroclor 1016                                                                                                        | 91               |      | 96                |      | 40-140              | 5   |      | 30            | A      |
| Aroclor 1260                                                                                                        | 74               |      | 76                |      | 40-140              | 3   |      | 30            | A      |

| Surrogate                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria | Column |
|------------------------------|------------------|------|-------------------|------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 85               |      | 89                |      | 30-150                 | A      |
| Decachlorobiphenyl           | 64               |      | 69                |      | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 78               |      | 82                |      | 30-150                 | B      |
| Decachlorobiphenyl           | 68               |      | 74                |      | 30-150                 | B      |

# PESTICIDES

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439378  
**Report Date:** 07/19/24

**SAMPLE RESULTS**

**Lab ID:** L2439378-01  
**Client ID:** TP1-0-2  
**Sample Location:** TRURO, MA

**Date Collected:** 07/12/24 07:45  
**Date Received:** 07/12/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 97,8081B  
**Analytical Date:** 07/17/24 18:10  
**Analyst:** JAG  
**Percent Solids:** 95%

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/15/24 14:40  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 07/17/24  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 07/17/24

| Parameter                                       | Result | Qualifier | Units | RL    | MDL | Dilution Factor | Column |
|-------------------------------------------------|--------|-----------|-------|-------|-----|-----------------|--------|
| MCP Organochlorine Pesticides - Westborough Lab |        |           |       |       |     |                 |        |
| Delta-BHC                                       | ND     |           | ug/kg | 1.66  | --  | 1               | A      |
| Lindane                                         | ND     |           | ug/kg | 0.553 | --  | 1               | A      |
| Alpha-BHC                                       | ND     |           | ug/kg | 0.691 | --  | 1               | A      |
| Beta-BHC                                        | ND     |           | ug/kg | 1.66  | --  | 1               | A      |
| Heptachlor                                      | ND     |           | ug/kg | 0.829 | --  | 1               | A      |
| Aldrin                                          | ND     |           | ug/kg | 1.66  | --  | 1               | A      |
| Heptachlor epoxide                              | ND     |           | ug/kg | 3.11  | --  | 1               | A      |
| Endrin                                          | ND     |           | ug/kg | 0.691 | --  | 1               | A      |
| Endrin ketone                                   | ND     |           | ug/kg | 1.66  | --  | 1               | A      |
| Dieldrin                                        | ND     |           | ug/kg | 1.04  | --  | 1               | A      |
| 4,4'-DDE                                        | ND     |           | ug/kg | 1.66  | --  | 1               | A      |
| 4,4'-DDD                                        | ND     |           | ug/kg | 1.66  | --  | 1               | A      |
| 4,4'-DDT                                        | 5.75   |           | ug/kg | 3.11  | --  | 1               | A      |
| Endosulfan I                                    | ND     |           | ug/kg | 1.66  | --  | 1               | A      |
| Endosulfan II                                   | ND     |           | ug/kg | 1.66  | --  | 1               | A      |
| Endosulfan sulfate                              | ND     |           | ug/kg | 0.691 | --  | 1               | A      |
| Methoxychlor                                    | ND     |           | ug/kg | 3.11  | --  | 1               | A      |
| Chlordane                                       | ND     |           | ug/kg | 13.8  | --  | 1               | A      |
| Hexachlorobenzene                               | ND     |           | ug/kg | 1.66  | --  | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 82         |           | 30-150              | A      |
| Decachlorobiphenyl           | 86         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 89         |           | 30-150              | B      |
| Decachlorobiphenyl           | 104        |           | 30-150              | B      |





**Project Name:** TRURO DPW**Lab Number:** L2439378**Project Number:** TRU250.P2**Report Date:** 07/19/24**SAMPLE RESULTS**

Lab ID: L2439378-01

Date Collected: 07/12/24 07:45

Client ID: TP1-0-2

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 8151A

Analytical Method: 97,8151A

Extraction Date: 07/13/24 16:52

Analytical Date: 07/15/24 19:50

Analyst: EJJ

Percent Solids: 95%

Methylation Date: 07/15/24 02:30

| Parameter                                    | Result | Qualifier | Units | RL   | MDL | Dilution Factor | Column |
|----------------------------------------------|--------|-----------|-------|------|-----|-----------------|--------|
| MCP Chlorinated Herbicides - Westborough Lab |        |           |       |      |     |                 |        |
| MCPP                                         | ND     |           | ug/kg | 3400 | --  | 1               | A      |
| MCPA                                         | ND     |           | ug/kg | 3400 | --  | 1               | A      |
| Dalapon                                      | ND     |           | ug/kg | 34   | --  | 1               | A      |
| Dicamba                                      | ND     |           | ug/kg | 34   | --  | 1               | A      |
| Dichloroprop                                 | ND     |           | ug/kg | 34   | --  | 1               | A      |
| 2,4-D                                        | ND     |           | ug/kg | 34   | --  | 1               | A      |
| 2,4-DB                                       | ND     |           | ug/kg | 34   | --  | 1               | A      |
| 2,4,5-T                                      | ND     |           | ug/kg | 34   | --  | 1               | A      |
| 2,4,5-TP (Silvex)                            | ND     |           | ug/kg | 34   | --  | 1               | A      |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA      | 102        |           | 30-150              | A      |
| DCAA      | 84         |           | 30-150              | B      |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439378  
**Report Date:** 07/19/24

**SAMPLE RESULTS**

**Lab ID:** L2439378-03  
**Client ID:** TP2-2-4  
**Sample Location:** TRURO, MA

**Date Collected:** 07/12/24 08:50  
**Date Received:** 07/12/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 97,8081B  
**Analytical Date:** 07/17/24 18:22  
**Analyst:** JAG  
**Percent Solids:** 98%

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/15/24 14:40  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 07/17/24  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 07/17/24

| Parameter                                       | Result | Qualifier | Units | RL    | MDL | Dilution Factor | Column |
|-------------------------------------------------|--------|-----------|-------|-------|-----|-----------------|--------|
| MCP Organochlorine Pesticides - Westborough Lab |        |           |       |       |     |                 |        |
| Delta-BHC                                       | ND     |           | ug/kg | 1.62  | --  | 1               | A      |
| Lindane                                         | ND     |           | ug/kg | 0.539 | --  | 1               | A      |
| Alpha-BHC                                       | ND     |           | ug/kg | 0.674 | --  | 1               | A      |
| Beta-BHC                                        | ND     |           | ug/kg | 1.62  | --  | 1               | A      |
| Heptachlor                                      | ND     |           | ug/kg | 0.809 | --  | 1               | A      |
| Aldrin                                          | ND     |           | ug/kg | 1.62  | --  | 1               | A      |
| Heptachlor epoxide                              | ND     |           | ug/kg | 3.03  | --  | 1               | A      |
| Endrin                                          | ND     |           | ug/kg | 0.674 | --  | 1               | A      |
| Endrin ketone                                   | ND     |           | ug/kg | 1.62  | --  | 1               | A      |
| Dieldrin                                        | ND     |           | ug/kg | 1.01  | --  | 1               | A      |
| 4,4'-DDE                                        | ND     |           | ug/kg | 1.62  | --  | 1               | A      |
| 4,4'-DDD                                        | ND     |           | ug/kg | 1.62  | --  | 1               | A      |
| 4,4'-DDT                                        | ND     |           | ug/kg | 3.03  | --  | 1               | A      |
| Endosulfan I                                    | ND     |           | ug/kg | 1.62  | --  | 1               | A      |
| Endosulfan II                                   | ND     |           | ug/kg | 1.62  | --  | 1               | A      |
| Endosulfan sulfate                              | ND     |           | ug/kg | 0.674 | --  | 1               | A      |
| Methoxychlor                                    | ND     |           | ug/kg | 3.03  | --  | 1               | A      |
| Chlordane                                       | ND     |           | ug/kg | 13.5  | --  | 1               | A      |
| Hexachlorobenzene                               | ND     |           | ug/kg | 1.62  | --  | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 79         |           | 30-150              | A      |
| Decachlorobiphenyl           | 84         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 84         |           | 30-150              | B      |
| Decachlorobiphenyl           | 103        |           | 30-150              | B      |



**Project Name:** TRURO DPW**Lab Number:** L2439378**Project Number:** TRU250.P2**Report Date:** 07/19/24**SAMPLE RESULTS**

Lab ID: L2439378-03

Date Collected: 07/12/24 08:50

Client ID: TP2-2-4

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 8151A

Analytical Method: 97,8151A

Extraction Date: 07/13/24 16:52

Analytical Date: 07/15/24 20:09

Analyst: EJJ

Percent Solids: 98%

Methylation Date: 07/15/24 02:30

| Parameter                                    | Result | Qualifier | Units | RL   | MDL | Dilution Factor | Column |
|----------------------------------------------|--------|-----------|-------|------|-----|-----------------|--------|
| MCP Chlorinated Herbicides - Westborough Lab |        |           |       |      |     |                 |        |
| MCPP                                         | ND     |           | ug/kg | 3400 | --  | 1               | A      |
| MCPA                                         | ND     |           | ug/kg | 3400 | --  | 1               | A      |
| Dalapon                                      | ND     |           | ug/kg | 34   | --  | 1               | A      |
| Dicamba                                      | ND     |           | ug/kg | 34   | --  | 1               | A      |
| Dichloroprop                                 | ND     |           | ug/kg | 34   | --  | 1               | A      |
| 2,4-D                                        | ND     |           | ug/kg | 34   | --  | 1               | A      |
| 2,4-DB                                       | ND     |           | ug/kg | 34   | --  | 1               | A      |
| 2,4,5-T                                      | ND     |           | ug/kg | 34   | --  | 1               | A      |
| 2,4,5-TP (Silvex)                            | ND     |           | ug/kg | 34   | --  | 1               | A      |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA      | 92         |           | 30-150              | A      |
| DCAA      | 76         |           | 30-150              | B      |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439378  
**Report Date:** 07/19/24

**SAMPLE RESULTS**

**Lab ID:** L2439378-04  
**Client ID:** TP3-8-10  
**Sample Location:** TRURO, MA

**Date Collected:** 07/12/24 10:00  
**Date Received:** 07/12/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 97,8081B  
**Analytical Date:** 07/18/24 20:08  
**Analyst:** JAG  
**Percent Solids:** 98%

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/16/24 11:18  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 07/18/24  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 07/18/24

| Parameter                                       | Result | Qualifier | Units | RL    | MDL | Dilution Factor | Column |
|-------------------------------------------------|--------|-----------|-------|-------|-----|-----------------|--------|
| MCP Organochlorine Pesticides - Westborough Lab |        |           |       |       |     |                 |        |
| Delta-BHC                                       | ND     |           | ug/kg | 1.59  | --  | 1               | A      |
| Lindane                                         | ND     |           | ug/kg | 0.529 | --  | 1               | A      |
| Alpha-BHC                                       | ND     |           | ug/kg | 0.661 | --  | 1               | A      |
| Beta-BHC                                        | ND     |           | ug/kg | 1.59  | --  | 1               | A      |
| Heptachlor                                      | ND     |           | ug/kg | 0.793 | --  | 1               | A      |
| Aldrin                                          | ND     |           | ug/kg | 1.59  | --  | 1               | A      |
| Heptachlor epoxide                              | ND     |           | ug/kg | 2.97  | --  | 1               | A      |
| Endrin                                          | ND     |           | ug/kg | 0.661 | --  | 1               | A      |
| Endrin ketone                                   | ND     |           | ug/kg | 1.59  | --  | 1               | A      |
| Dieldrin                                        | ND     |           | ug/kg | 0.991 | --  | 1               | A      |
| 4,4'-DDE                                        | ND     |           | ug/kg | 1.59  | --  | 1               | A      |
| 4,4'-DDD                                        | ND     |           | ug/kg | 1.59  | --  | 1               | A      |
| 4,4'-DDT                                        | ND     |           | ug/kg | 2.97  | --  | 1               | A      |
| Endosulfan I                                    | ND     |           | ug/kg | 1.59  | --  | 1               | A      |
| Endosulfan II                                   | ND     |           | ug/kg | 1.59  | --  | 1               | A      |
| Endosulfan sulfate                              | ND     |           | ug/kg | 0.661 | --  | 1               | A      |
| Methoxychlor                                    | ND     |           | ug/kg | 2.97  | --  | 1               | A      |
| Chlordane                                       | ND     |           | ug/kg | 13.2  | --  | 1               | A      |
| Hexachlorobenzene                               | ND     |           | ug/kg | 1.59  | --  | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 63         |           | 30-150              | A      |
| Decachlorobiphenyl           | 84         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 68         |           | 30-150              | B      |
| Decachlorobiphenyl           | 96         |           | 30-150              | B      |



**Project Name:** TRURO DPW**Lab Number:** L2439378**Project Number:** TRU250.P2**Report Date:** 07/19/24**SAMPLE RESULTS**

Lab ID: L2439378-04

Date Collected: 07/12/24 10:00

Client ID: TP3-8-10

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 8151A

Analytical Method: 97,8151A

Extraction Date: 07/13/24 16:52

Analytical Date: 07/15/24 20:27

Analyst: EJJ

Percent Solids: 98%

Methylation Date: 07/15/24 05:50

| Parameter                                    | Result | Qualifier | Units | RL   | MDL | Dilution Factor | Column |
|----------------------------------------------|--------|-----------|-------|------|-----|-----------------|--------|
| MCP Chlorinated Herbicides - Westborough Lab |        |           |       |      |     |                 |        |
| MCP                                          | ND     |           | ug/kg | 3400 | --  | 1               | A      |
| MCPA                                         | ND     |           | ug/kg | 3400 | --  | 1               | A      |
| Dalapon                                      | ND     |           | ug/kg | 34   | --  | 1               | A      |
| Dicamba                                      | ND     |           | ug/kg | 34   | --  | 1               | A      |
| Dichloroprop                                 | ND     |           | ug/kg | 34   | --  | 1               | A      |
| 2,4-D                                        | ND     |           | ug/kg | 34   | --  | 1               | A      |
| 2,4-DB                                       | ND     |           | ug/kg | 34   | --  | 1               | A      |
| 2,4,5-T                                      | ND     |           | ug/kg | 34   | --  | 1               | A      |
| 2,4,5-TP (Silvex)                            | ND     |           | ug/kg | 34   | --  | 1               | A      |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA      | 98         |           | 30-150              | A      |
| DCAA      | 81         |           | 30-150              | B      |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439378  
**Report Date:** 07/19/24

**SAMPLE RESULTS**

**Lab ID:** L2439378-07  
**Client ID:** TP12-2-4  
**Sample Location:** TRURO, MA

**Date Collected:** 07/11/24 13:00  
**Date Received:** 07/12/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 97,8081B  
**Analytical Date:** 07/17/24 18:35  
**Analyst:** JAG  
**Percent Solids:** 92%

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/15/24 14:40  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 07/17/24  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 07/17/24

| Parameter                                       | Result | Qualifier | Units | RL    | MDL | Dilution Factor | Column |
|-------------------------------------------------|--------|-----------|-------|-------|-----|-----------------|--------|
| MCP Organochlorine Pesticides - Westborough Lab |        |           |       |       |     |                 |        |
| Delta-BHC                                       | ND     |           | ug/kg | 1.67  | --  | 1               | A      |
| Lindane                                         | ND     |           | ug/kg | 0.558 | --  | 1               | A      |
| Alpha-BHC                                       | ND     |           | ug/kg | 0.697 | --  | 1               | A      |
| Beta-BHC                                        | ND     |           | ug/kg | 1.67  | --  | 1               | A      |
| Heptachlor                                      | ND     |           | ug/kg | 0.837 | --  | 1               | A      |
| Aldrin                                          | ND     |           | ug/kg | 1.67  | --  | 1               | A      |
| Heptachlor epoxide                              | ND     |           | ug/kg | 3.14  | --  | 1               | A      |
| Endrin                                          | ND     |           | ug/kg | 0.697 | --  | 1               | A      |
| Endrin ketone                                   | ND     |           | ug/kg | 1.67  | --  | 1               | A      |
| Dieldrin                                        | ND     |           | ug/kg | 1.05  | --  | 1               | A      |
| 4,4'-DDE                                        | 10.6   |           | ug/kg | 1.67  | --  | 1               | A      |
| 4,4'-DDD                                        | ND     |           | ug/kg | 1.67  | --  | 1               | B      |
| 4,4'-DDT                                        | 22.6   |           | ug/kg | 3.14  | --  | 1               | A      |
| Endosulfan I                                    | ND     |           | ug/kg | 1.67  | --  | 1               | A      |
| Endosulfan II                                   | ND     |           | ug/kg | 1.67  | --  | 1               | A      |
| Endosulfan sulfate                              | ND     |           | ug/kg | 0.697 | --  | 1               | A      |
| Methoxychlor                                    | ND     |           | ug/kg | 3.14  | --  | 1               | A      |
| Chlordane                                       | ND     |           | ug/kg | 13.9  | --  | 1               | A      |
| Hexachlorobenzene                               | ND     |           | ug/kg | 1.67  | --  | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 84         |           | 30-150              | A      |
| Decachlorobiphenyl           | 81         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 97         |           | 30-150              | B      |
| Decachlorobiphenyl           | 109        |           | 30-150              | B      |



**Project Name:** TRURO DPW**Lab Number:** L2439378**Project Number:** TRU250.P2**Report Date:** 07/19/24**SAMPLE RESULTS**

Lab ID: L2439378-07

Date Collected: 07/11/24 13:00

Client ID: TP12-2-4

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 8151A

Analytical Method: 97,8151A

Extraction Date: 07/13/24 16:52

Analytical Date: 07/15/24 20:45

Analyst: EJJ

Percent Solids: 92%

Methylation Date: 07/15/24 02:30

| Parameter                                    | Result | Qualifier | Units | RL   | MDL | Dilution Factor | Column |
|----------------------------------------------|--------|-----------|-------|------|-----|-----------------|--------|
| MCP Chlorinated Herbicides - Westborough Lab |        |           |       |      |     |                 |        |
| MCPP                                         | ND     |           | ug/kg | 3600 | --  | 1               | A      |
| MCPA                                         | ND     |           | ug/kg | 3600 | --  | 1               | A      |
| Dalapon                                      | ND     |           | ug/kg | 36   | --  | 1               | A      |
| Dicamba                                      | ND     |           | ug/kg | 36   | --  | 1               | A      |
| Dichloroprop                                 | ND     |           | ug/kg | 36   | --  | 1               | A      |
| 2,4-D                                        | ND     |           | ug/kg | 36   | --  | 1               | A      |
| 2,4-DB                                       | ND     |           | ug/kg | 36   | --  | 1               | A      |
| 2,4,5-T                                      | ND     |           | ug/kg | 36   | --  | 1               | A      |
| 2,4,5-TP (Silvex)                            | ND     |           | ug/kg | 36   | --  | 1               | A      |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA      | 102        |           | 30-150              | A      |
| DCAA      | 89         |           | 30-150              | B      |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439378  
**Report Date:** 07/19/24

**SAMPLE RESULTS**

**Lab ID:** L2439378-08  
**Client ID:** TP7-4-6  
**Sample Location:** TRURO, MA

**Date Collected:** 07/12/24 12:10  
**Date Received:** 07/12/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 97,8081B  
**Analytical Date:** 07/17/24 18:47  
**Analyst:** JAG  
**Percent Solids:** 96%

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/15/24 14:40  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 07/17/24  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 07/17/24

| Parameter                                       | Result | Qualifier | Units | RL    | MDL | Dilution Factor | Column |
|-------------------------------------------------|--------|-----------|-------|-------|-----|-----------------|--------|
| MCP Organochlorine Pesticides - Westborough Lab |        |           |       |       |     |                 |        |
| Delta-BHC                                       | ND     |           | ug/kg | 1.66  | --  | 1               | A      |
| Lindane                                         | ND     |           | ug/kg | 0.554 | --  | 1               | A      |
| Alpha-BHC                                       | ND     |           | ug/kg | 0.692 | --  | 1               | A      |
| Beta-BHC                                        | ND     |           | ug/kg | 1.66  | --  | 1               | A      |
| Heptachlor                                      | ND     |           | ug/kg | 0.831 | --  | 1               | A      |
| Aldrin                                          | ND     |           | ug/kg | 1.66  | --  | 1               | A      |
| Heptachlor epoxide                              | ND     |           | ug/kg | 3.12  | --  | 1               | A      |
| Endrin                                          | ND     |           | ug/kg | 0.692 | --  | 1               | A      |
| Endrin ketone                                   | ND     |           | ug/kg | 1.66  | --  | 1               | A      |
| Dieldrin                                        | ND     |           | ug/kg | 1.04  | --  | 1               | A      |
| 4,4'-DDE                                        | ND     |           | ug/kg | 1.66  | --  | 1               | A      |
| 4,4'-DDD                                        | ND     |           | ug/kg | 1.66  | --  | 1               | A      |
| 4,4'-DDT                                        | 7.30   |           | ug/kg | 3.12  | --  | 1               | A      |
| Endosulfan I                                    | ND     |           | ug/kg | 1.66  | --  | 1               | A      |
| Endosulfan II                                   | ND     |           | ug/kg | 1.66  | --  | 1               | A      |
| Endosulfan sulfate                              | ND     |           | ug/kg | 0.692 | --  | 1               | A      |
| Methoxychlor                                    | ND     |           | ug/kg | 3.12  | --  | 1               | B      |
| Chlordane                                       | ND     |           | ug/kg | 13.8  | --  | 1               | A      |
| Hexachlorobenzene                               | ND     |           | ug/kg | 1.66  | --  | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 83         |           | 30-150              | A      |
| Decachlorobiphenyl           | 79         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 88         |           | 30-150              | B      |
| Decachlorobiphenyl           | 108        |           | 30-150              | B      |





Project Name: TRURO DPW

Lab Number: L2439378

Project Number: TRU250.P2

Report Date: 07/19/24

## SAMPLE RESULTS

Lab ID: L2439378-08

Date Collected: 07/12/24 12:10

Client ID: TP7-4-6

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 8151A

Analytical Method: 97,8151A

Extraction Date: 07/13/24 16:52

Analytical Date: 07/15/24 21:04

Analyst: EJJ

Percent Solids: 96%

Methylation Date: 07/15/24 02:30

| Parameter                                    | Result | Qualifier | Units | RL   | MDL | Dilution Factor | Column |
|----------------------------------------------|--------|-----------|-------|------|-----|-----------------|--------|
| MCP Chlorinated Herbicides - Westborough Lab |        |           |       |      |     |                 |        |
| MCPP                                         | ND     |           | ug/kg | 3400 | --  | 1               | A      |
| MCPA                                         | ND     |           | ug/kg | 3400 | --  | 1               | A      |
| Dalapon                                      | ND     |           | ug/kg | 34   | --  | 1               | A      |
| Dicamba                                      | ND     |           | ug/kg | 34   | --  | 1               | A      |
| Dichloroprop                                 | ND     |           | ug/kg | 34   | --  | 1               | A      |
| 2,4-D                                        | ND     |           | ug/kg | 34   | --  | 1               | A      |
| 2,4-DB                                       | ND     |           | ug/kg | 34   | --  | 1               | A      |
| 2,4,5-T                                      | ND     |           | ug/kg | 34   | --  | 1               | A      |
| 2,4,5-TP (Silvex)                            | ND     |           | ug/kg | 34   | --  | 1               | A      |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA      | 103        |           | 30-150              | A      |
| DCAA      | 101        |           | 30-150              | B      |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439378  
**Report Date:** 07/19/24

**SAMPLE RESULTS**

**Lab ID:** L2439378-09  
**Client ID:** TP8-0-2  
**Sample Location:** TRURO, MA

**Date Collected:** 07/12/24 13:15  
**Date Received:** 07/12/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 97,8081B  
**Analytical Date:** 07/17/24 19:00  
**Analyst:** JAG  
**Percent Solids:** 94%

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/15/24 14:40  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 07/17/24  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 07/17/24

| Parameter                                       | Result | Qualifier | Units | RL    | MDL | Dilution Factor | Column |
|-------------------------------------------------|--------|-----------|-------|-------|-----|-----------------|--------|
| MCP Organochlorine Pesticides - Westborough Lab |        |           |       |       |     |                 |        |
| Delta-BHC                                       | ND     |           | ug/kg | 1.66  | --  | 1               | A      |
| Lindane                                         | ND     |           | ug/kg | 0.555 | --  | 1               | A      |
| Alpha-BHC                                       | ND     |           | ug/kg | 0.693 | --  | 1               | A      |
| Beta-BHC                                        | ND     |           | ug/kg | 1.66  | --  | 1               | A      |
| Heptachlor                                      | ND     |           | ug/kg | 0.832 | --  | 1               | A      |
| Aldrin                                          | ND     |           | ug/kg | 1.66  | --  | 1               | A      |
| Heptachlor epoxide                              | ND     |           | ug/kg | 3.12  | --  | 1               | A      |
| Endrin                                          | ND     |           | ug/kg | 0.693 | --  | 1               | A      |
| Endrin ketone                                   | ND     |           | ug/kg | 1.66  | --  | 1               | A      |
| Dieldrin                                        | 1.58   |           | ug/kg | 1.04  | --  | 1               | A      |
| 4,4'-DDE                                        | ND     |           | ug/kg | 1.66  | --  | 1               | A      |
| 4,4'-DDD                                        | ND     |           | ug/kg | 1.66  | --  | 1               | A      |
| 4,4'-DDT                                        | 8.82   |           | ug/kg | 3.12  | --  | 1               | A      |
| Endosulfan I                                    | ND     |           | ug/kg | 1.66  | --  | 1               | A      |
| Endosulfan II                                   | ND     |           | ug/kg | 1.66  | --  | 1               | A      |
| Endosulfan sulfate                              | ND     |           | ug/kg | 0.693 | --  | 1               | A      |
| Methoxychlor                                    | ND     |           | ug/kg | 3.12  | --  | 1               | A      |
| Chlordane                                       | ND     |           | ug/kg | 13.9  | --  | 1               | A      |
| Hexachlorobenzene                               | ND     |           | ug/kg | 1.66  | --  | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 84         |           | 30-150              | A      |
| Decachlorobiphenyl           | 80         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 95         |           | 30-150              | B      |
| Decachlorobiphenyl           | 108        |           | 30-150              | B      |



**Project Name:** TRURO DPW**Lab Number:** L2439378**Project Number:** TRU250.P2**Report Date:** 07/19/24**SAMPLE RESULTS**

Lab ID: L2439378-09

Date Collected: 07/12/24 13:15

Client ID: TP8-0-2

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 8151A

Analytical Method: 97,8151A

Extraction Date: 07/13/24 16:52

Analytical Date: 07/15/24 21:22

Analyst: EJJ

Percent Solids: 94%

Methylation Date: 07/15/24 02:30

| Parameter                                    | Result | Qualifier | Units | RL   | MDL | Dilution Factor | Column |
|----------------------------------------------|--------|-----------|-------|------|-----|-----------------|--------|
| MCP Chlorinated Herbicides - Westborough Lab |        |           |       |      |     |                 |        |
| MCPP                                         | ND     |           | ug/kg | 3400 | --  | 1               | A      |
| MCPA                                         | ND     |           | ug/kg | 3400 | --  | 1               | A      |
| Dalapon                                      | ND     |           | ug/kg | 34   | --  | 1               | A      |
| Dicamba                                      | ND     |           | ug/kg | 34   | --  | 1               | A      |
| Dichloroprop                                 | ND     |           | ug/kg | 34   | --  | 1               | A      |
| 2,4-D                                        | ND     |           | ug/kg | 34   | --  | 1               | A      |
| 2,4-DB                                       | ND     |           | ug/kg | 34   | --  | 1               | A      |
| 2,4,5-T                                      | ND     |           | ug/kg | 34   | --  | 1               | A      |
| 2,4,5-TP (Silvex)                            | ND     |           | ug/kg | 34   | --  | 1               | A      |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA      | 107        |           | 30-150              | A      |
| DCAA      | 89         |           | 30-150              | B      |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439378  
**Report Date:** 07/19/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 97,8151A  
 Analytical Date: 07/15/24 14:37  
 Analyst: MMG

Extraction Method: EPA 8151A  
 Extraction Date: 07/13/24 16:52

Methylation Date: 07/15/24 02:30

| Parameter                                                                                     | Result | Qualifier | Units | RL   | MDL | Column |
|-----------------------------------------------------------------------------------------------|--------|-----------|-------|------|-----|--------|
| MCP Chlorinated Herbicides - Westborough Lab for sample(s): 01,03-04,07-09 Batch: WG1946674-1 |        |           |       |      |     |        |
| MCP                                                                                           | ND     |           | ug/kg | 3300 | --  | A      |
| MCPA                                                                                          | ND     |           | ug/kg | 3300 | --  | A      |
| Dalapon                                                                                       | ND     |           | ug/kg | 33   | --  | A      |
| Dicamba                                                                                       | ND     |           | ug/kg | 33   | --  | A      |
| Dichloroprop                                                                                  | ND     |           | ug/kg | 33   | --  | A      |
| 2,4-D                                                                                         | ND     |           | ug/kg | 33   | --  | A      |
| 2,4-DB                                                                                        | ND     |           | ug/kg | 33   | --  | A      |
| 2,4,5-T                                                                                       | ND     |           | ug/kg | 33   | --  | A      |
| 2,4,5-TP (Silvex)                                                                             | ND     |           | ug/kg | 33   | --  | A      |

| Surrogate | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|-----------|-----------|-----------|------------------------|--------|
| DCAA      | 103       |           | 30-150                 | A      |
| DCAA      | 84        |           | 30-150                 | B      |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439378  
**Report Date:** 07/19/24

### Method Blank Analysis Batch Quality Control

**Analytical Method:** 97,8081B  
**Analytical Date:** 07/17/24 17:20  
**Analyst:** JAG

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/15/24 14:40  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 07/17/24  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 07/17/24

| Parameter                                                                                        | Result | Qualifier | Units | RL    | MDL | Column |
|--------------------------------------------------------------------------------------------------|--------|-----------|-------|-------|-----|--------|
| MCP Organochlorine Pesticides - Westborough Lab for sample(s): 01,03-04,07-09 Batch: WG1947175-1 |        |           |       |       |     |        |
| Delta-BHC                                                                                        | ND     |           | ug/kg | 1.56  | --  | A      |
| Lindane                                                                                          | ND     |           | ug/kg | 0.519 | --  | A      |
| Alpha-BHC                                                                                        | ND     |           | ug/kg | 0.648 | --  | A      |
| Beta-BHC                                                                                         | ND     |           | ug/kg | 1.56  | --  | A      |
| Heptachlor                                                                                       | ND     |           | ug/kg | 0.778 | --  | A      |
| Aldrin                                                                                           | ND     |           | ug/kg | 1.56  | --  | A      |
| Heptachlor epoxide                                                                               | ND     |           | ug/kg | 2.92  | --  | A      |
| Endrin                                                                                           | ND     |           | ug/kg | 0.648 | --  | A      |
| Endrin ketone                                                                                    | ND     |           | ug/kg | 1.56  | --  | A      |
| Dieldrin                                                                                         | ND     |           | ug/kg | 0.973 | --  | A      |
| 4,4'-DDE                                                                                         | ND     |           | ug/kg | 1.56  | --  | A      |
| 4,4'-DDD                                                                                         | ND     |           | ug/kg | 1.56  | --  | A      |
| 4,4'-DDT                                                                                         | ND     |           | ug/kg | 2.92  | --  | A      |
| Endosulfan I                                                                                     | ND     |           | ug/kg | 1.56  | --  | A      |
| Endosulfan II                                                                                    | ND     |           | ug/kg | 1.56  | --  | A      |
| Endosulfan sulfate                                                                               | ND     |           | ug/kg | 0.648 | --  | A      |
| Methoxychlor                                                                                     | ND     |           | ug/kg | 2.92  | --  | A      |
| Chlordane                                                                                        | ND     |           | ug/kg | 13.0  | --  | A      |
| Hexachlorobenzene                                                                                | ND     |           | ug/kg | 1.56  | --  | A      |

| Surrogate                    | %Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|-----------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 77        |           | 30-150              | A      |
| Decachlorobiphenyl           | 80        |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 81        |           | 30-150              | B      |
| Decachlorobiphenyl           | 102       |           | 30-150              | B      |



# **Lab Control Sample Analysis** **Batch Quality Control**

Project Name: TRURO DPW

Project Number: TRU250.P2

Lab Number: L2439378

Report Date: 07/19/24

| Parameter                                                                                                        | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| MCP Chlorinated Herbicides - Westborough Lab Associated sample(s): 01,03-04,07-09 Batch: WG1946674-2 WG1946674-3 |                  |      |                   |      |                     |     |      |               |        |
| MCP                                                                                                              | 83               |      | 85                |      | 40-140              | 2   |      | 30            | A      |
| MCPA                                                                                                             | 87               |      | 91                |      | 40-140              | 4   |      | 30            | A      |
| Dalapon                                                                                                          | 70               |      | 87                |      | 40-140              | 22  |      | 30            | A      |
| Dicamba                                                                                                          | 97               |      | 104               |      | 40-140              | 7   |      | 30            | A      |
| Dichloroprop                                                                                                     | 100              |      | 108               |      | 40-140              | 8   |      | 30            | A      |
| 2,4-D                                                                                                            | 99               |      | 110               |      | 40-140              | 11  |      | 30            | A      |
| 2,4-DB                                                                                                           | 90               |      | 94                |      | 40-140              | 4   |      | 30            | A      |
| 2,4,5-T                                                                                                          | 106              |      | 117               |      | 40-140              | 10  |      | 30            | A      |
| 2,4,5-TP (Silvex)                                                                                                | 100              |      | 109               |      | 40-140              | 9   |      | 30            | A      |

| Surrogate | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria | Column |
|-----------|------------------|------|-------------------|------|------------------------|--------|
| DCAA      | 98               |      | 103               |      | 30-150                 | A      |
| DCAA      | 91               |      | 96                |      | 30-150                 | B      |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU250.P2

Lab Number: L2439378

Report Date: 07/19/24

| Parameter                                                                                                           | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|---------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01,03-04,07-09 Batch: WG1947175-2 WG1947175-3 |                  |      |                   |      |                     |     |      |               |        |
| Delta-BHC                                                                                                           | 94               |      | 94                |      | 40-140              | 0   |      | 30            | A      |
| Lindane                                                                                                             | 86               |      | 88                |      | 40-140              | 2   |      | 30            | A      |
| Alpha-BHC                                                                                                           | 90               |      | 91                |      | 40-140              | 1   |      | 30            | A      |
| Beta-BHC                                                                                                            | 84               |      | 84                |      | 40-140              | 0   |      | 30            | A      |
| Heptachlor                                                                                                          | 91               |      | 91                |      | 40-140              | 0   |      | 30            | A      |
| Aldrin                                                                                                              | 91               |      | 93                |      | 40-140              | 2   |      | 30            | A      |
| Heptachlor epoxide                                                                                                  | 85               |      | 86                |      | 40-140              | 1   |      | 30            | A      |
| Endrin                                                                                                              | 103              |      | 105               |      | 40-140              | 2   |      | 30            | A      |
| Endrin ketone                                                                                                       | 97               |      | 100               |      | 40-140              | 3   |      | 30            | A      |
| Dieldrin                                                                                                            | 109              |      | 110               |      | 40-140              | 1   |      | 30            | A      |
| 4,4'-DDE                                                                                                            | 100              |      | 102               |      | 40-140              | 2   |      | 30            | A      |
| 4,4'-DDD                                                                                                            | 111              |      | 113               |      | 40-140              | 2   |      | 30            | A      |
| 4,4'-DDT                                                                                                            | 105              |      | 109               |      | 40-140              | 4   |      | 30            | A      |
| Endosulfan I                                                                                                        | 95               |      | 96                |      | 40-140              | 1   |      | 30            | A      |
| Endosulfan II                                                                                                       | 103              |      | 104               |      | 40-140              | 1   |      | 30            | A      |
| Endosulfan sulfate                                                                                                  | 102              |      | 102               |      | 40-140              | 0   |      | 30            | A      |
| Methoxychlor                                                                                                        | 114              |      | 122               |      | 40-140              | 7   |      | 30            | A      |
| Hexachlorobenzene                                                                                                   | 82               |      | 82                |      | 40-140              | 0   |      | 30            | A      |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU250.P2

Lab Number: L2439378

Report Date: 07/19/24

| Parameter                                                                                                           | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01,03-04,07-09 Batch: WG1947175-2 WG1947175-3 |                  |      |                   |      |                     |     |      |               |

| Surrogate                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria | Column |
|------------------------------|------------------|------|-------------------|------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 77               |      | 78                |      | 30-150                 | A      |
| Decachlorobiphenyl           | 80               |      | 83                |      | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 85               |      | 84                |      | 30-150                 | B      |
| Decachlorobiphenyl           | 104              |      | 108               |      | 30-150                 | B      |



## METALS

Project Name: TRURO DPW

Lab Number: L2439378

Project Number: TRU250.P2

Report Date: 07/19/24

## SAMPLE RESULTS

Lab ID: L2439378-01

Date Collected: 07/12/24 07:45

Client ID: TP1-0-2

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 95%

| Parameter                        | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Prep<br>Method | Analytical<br>Method | Analyst |
|----------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------|----------------------|---------|
| MCP Total Metals - Mansfield Lab |        |           |       |       |     |                    |                  |                  |                |                      |         |
| Antimony, Total                  | ND     |           | mg/kg | 3.97  | --  | 2                  | 07/15/24 22:55   | 07/17/24 16:32   | EPA 3050B      | 97,6010D             | DHL     |
| Arsenic, Total                   | 1.27   |           | mg/kg | 0.794 | --  | 2                  | 07/15/24 22:55   | 07/17/24 16:32   | EPA 3050B      | 97,6010D             | DHL     |
| Barium, Total                    | 3.18   |           | mg/kg | 0.794 | --  | 2                  | 07/15/24 22:55   | 07/17/24 16:32   | EPA 3050B      | 97,6010D             | DHL     |
| Beryllium, Total                 | ND     |           | mg/kg | 0.397 | --  | 2                  | 07/15/24 22:55   | 07/17/24 16:32   | EPA 3050B      | 97,6010D             | DHL     |
| Cadmium, Total                   | ND     |           | mg/kg | 0.794 | --  | 2                  | 07/15/24 22:55   | 07/17/24 16:32   | EPA 3050B      | 97,6010D             | DHL     |
| Chromium, Total                  | 1.86   |           | mg/kg | 0.794 | --  | 2                  | 07/15/24 22:55   | 07/17/24 16:32   | EPA 3050B      | 97,6010D             | DHL     |
| Lead, Total                      | 5.36   |           | mg/kg | 3.97  | --  | 2                  | 07/15/24 22:55   | 07/17/24 16:32   | EPA 3050B      | 97,6010D             | DHL     |
| Mercury, Total                   | ND     |           | mg/kg | 0.067 | --  | 1                  | 07/17/24 07:25   | 07/18/24 17:51   | EPA 7471B      | 97,7471B             | JWN     |
| Nickel, Total                    | ND     |           | mg/kg | 1.98  | --  | 2                  | 07/15/24 22:55   | 07/17/24 16:32   | EPA 3050B      | 97,6010D             | DHL     |
| Selenium, Total                  | ND     |           | mg/kg | 3.97  | --  | 2                  | 07/15/24 22:55   | 07/17/24 16:32   | EPA 3050B      | 97,6010D             | DHL     |
| Silver, Total                    | ND     |           | mg/kg | 0.794 | --  | 2                  | 07/15/24 22:55   | 07/17/24 16:32   | EPA 3050B      | 97,6010D             | DHL     |
| Thallium, Total                  | ND     |           | mg/kg | 3.97  | --  | 2                  | 07/15/24 22:55   | 07/17/24 16:32   | EPA 3050B      | 97,6010D             | DHL     |
| Vanadium, Total                  | 3.68   |           | mg/kg | 0.794 | --  | 2                  | 07/15/24 22:55   | 07/17/24 16:32   | EPA 3050B      | 97,6010D             | DHL     |
| Zinc, Total                      | 6.68   |           | mg/kg | 3.97  | --  | 2                  | 07/15/24 22:55   | 07/17/24 16:32   | EPA 3050B      | 97,6010D             | DHL     |



Project Name: TRURO DPW

Lab Number: L2439378

Project Number: TRU250.P2

Report Date: 07/19/24

## SAMPLE RESULTS

Lab ID: L2439378-02

Date Collected: 07/12/24 07:55

Client ID: TP1-4-6

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 97%

| Parameter                        | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Prep<br>Method | Analytical<br>Method | Analyst |
|----------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------|----------------------|---------|
| MCP Total Metals - Mansfield Lab |        |           |       |       |     |                    |                  |                  |                |                      |         |
| Antimony, Total                  | ND     |           | mg/kg | 4.01  | --  | 2                  | 07/15/24 22:55   | 07/17/24 16:38   | EPA 3050B      | 97,6010D             | DHL     |
| Arsenic, Total                   | 2.71   |           | mg/kg | 0.801 | --  | 2                  | 07/15/24 22:55   | 07/17/24 16:38   | EPA 3050B      | 97,6010D             | DHL     |
| Barium, Total                    | 1.39   |           | mg/kg | 0.801 | --  | 2                  | 07/15/24 22:55   | 07/17/24 16:38   | EPA 3050B      | 97,6010D             | DHL     |
| Beryllium, Total                 | ND     |           | mg/kg | 0.401 | --  | 2                  | 07/15/24 22:55   | 07/17/24 16:38   | EPA 3050B      | 97,6010D             | DHL     |
| Cadmium, Total                   | ND     |           | mg/kg | 0.801 | --  | 2                  | 07/15/24 22:55   | 07/17/24 16:38   | EPA 3050B      | 97,6010D             | DHL     |
| Chromium, Total                  | 2.46   |           | mg/kg | 0.801 | --  | 2                  | 07/15/24 22:55   | 07/17/24 16:38   | EPA 3050B      | 97,6010D             | DHL     |
| Lead, Total                      | ND     |           | mg/kg | 4.01  | --  | 2                  | 07/15/24 22:55   | 07/17/24 16:38   | EPA 3050B      | 97,6010D             | DHL     |
| Mercury, Total                   | ND     |           | mg/kg | 0.069 | --  | 1                  | 07/17/24 07:25   | 07/18/24 17:54   | EPA 7471B      | 97,7471B             | JWN     |
| Nickel, Total                    | ND     |           | mg/kg | 2.00  | --  | 2                  | 07/15/24 22:55   | 07/17/24 16:38   | EPA 3050B      | 97,6010D             | DHL     |
| Selenium, Total                  | ND     |           | mg/kg | 4.01  | --  | 2                  | 07/15/24 22:55   | 07/17/24 16:38   | EPA 3050B      | 97,6010D             | DHL     |
| Silver, Total                    | ND     |           | mg/kg | 0.801 | --  | 2                  | 07/15/24 22:55   | 07/17/24 16:38   | EPA 3050B      | 97,6010D             | DHL     |
| Thallium, Total                  | ND     |           | mg/kg | 4.01  | --  | 2                  | 07/15/24 22:55   | 07/17/24 16:38   | EPA 3050B      | 97,6010D             | DHL     |
| Vanadium, Total                  | 2.72   |           | mg/kg | 0.801 | --  | 2                  | 07/15/24 22:55   | 07/17/24 16:38   | EPA 3050B      | 97,6010D             | DHL     |
| Zinc, Total                      | ND     |           | mg/kg | 4.01  | --  | 2                  | 07/15/24 22:55   | 07/17/24 16:38   | EPA 3050B      | 97,6010D             | DHL     |



**Project Name:** TRURO DPW**Lab Number:** L2439378**Project Number:** TRU250.P2**Report Date:** 07/19/24**SAMPLE RESULTS**

Lab ID: L2439378-03

Date Collected: 07/12/24 08:50

Client ID: TP2-2-4

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 98%

| Parameter                        | Result | Qualifier | Units | RL    | MDL | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|----------------------------------|--------|-----------|-------|-------|-----|-----------------|----------------|----------------|-------------|-------------------|---------|
| MCP Total Metals - Mansfield Lab |        |           |       |       |     |                 |                |                |             |                   |         |
| Antimony, Total                  | ND     |           | mg/kg | 4.04  | --  | 2               | 07/15/24 22:55 | 07/17/24 16:44 | EPA 3050B   | 97,6010D          | DHL     |
| Arsenic, Total                   | 7.81   |           | mg/kg | 0.807 | --  | 2               | 07/15/24 22:55 | 07/17/24 16:44 | EPA 3050B   | 97,6010D          | DHL     |
| Barium, Total                    | 1.71   |           | mg/kg | 0.807 | --  | 2               | 07/15/24 22:55 | 07/17/24 16:44 | EPA 3050B   | 97,6010D          | DHL     |
| Beryllium, Total                 | ND     |           | mg/kg | 0.404 | --  | 2               | 07/15/24 22:55 | 07/17/24 16:44 | EPA 3050B   | 97,6010D          | DHL     |
| Cadmium, Total                   | ND     |           | mg/kg | 0.807 | --  | 2               | 07/15/24 22:55 | 07/17/24 16:44 | EPA 3050B   | 97,6010D          | DHL     |
| Chromium, Total                  | 2.35   |           | mg/kg | 0.807 | --  | 2               | 07/15/24 22:55 | 07/17/24 16:44 | EPA 3050B   | 97,6010D          | DHL     |
| Lead, Total                      | ND     |           | mg/kg | 4.04  | --  | 2               | 07/15/24 22:55 | 07/17/24 16:44 | EPA 3050B   | 97,6010D          | DHL     |
| Mercury, Total                   | ND     |           | mg/kg | 0.067 | --  | 1               | 07/17/24 07:25 | 07/18/24 18:04 | EPA 7471B   | 97,7471B          | JWN     |
| Nickel, Total                    | ND     |           | mg/kg | 2.02  | --  | 2               | 07/15/24 22:55 | 07/17/24 16:44 | EPA 3050B   | 97,6010D          | DHL     |
| Selenium, Total                  | ND     |           | mg/kg | 4.04  | --  | 2               | 07/15/24 22:55 | 07/17/24 16:44 | EPA 3050B   | 97,6010D          | DHL     |
| Silver, Total                    | ND     |           | mg/kg | 0.807 | --  | 2               | 07/15/24 22:55 | 07/17/24 16:44 | EPA 3050B   | 97,6010D          | DHL     |
| Thallium, Total                  | ND     |           | mg/kg | 4.04  | --  | 2               | 07/15/24 22:55 | 07/17/24 16:44 | EPA 3050B   | 97,6010D          | DHL     |
| Vanadium, Total                  | 3.57   |           | mg/kg | 0.807 | --  | 2               | 07/15/24 22:55 | 07/17/24 16:44 | EPA 3050B   | 97,6010D          | DHL     |
| Zinc, Total                      | 4.62   |           | mg/kg | 4.04  | --  | 2               | 07/15/24 22:55 | 07/17/24 16:44 | EPA 3050B   | 97,6010D          | DHL     |



**Project Name:** TRURO DPW**Lab Number:** L2439378**Project Number:** TRU250.P2**Report Date:** 07/19/24**SAMPLE RESULTS**

Lab ID: L2439378-04

Date Collected: 07/12/24 10:00

Client ID: TP3-8-10

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 98%

| Parameter                        | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Prep<br>Method | Analytical<br>Method | Analyst |
|----------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------|----------------------|---------|
| MCP Total Metals - Mansfield Lab |        |           |       |       |     |                    |                  |                  |                |                      |         |
| Antimony, Total                  | ND     |           | mg/kg | 4.04  | --  | 2                  | 07/18/24 00:52   | 07/18/24 09:31   | EPA 3050B      | 97,6010D             | JMF     |
| Arsenic, Total                   | 1.32   |           | mg/kg | 0.808 | --  | 2                  | 07/18/24 00:52   | 07/18/24 09:31   | EPA 3050B      | 97,6010D             | JMF     |
| Barium, Total                    | 2.13   |           | mg/kg | 0.808 | --  | 2                  | 07/18/24 00:52   | 07/18/24 09:31   | EPA 3050B      | 97,6010D             | JMF     |
| Beryllium, Total                 | ND     |           | mg/kg | 0.404 | --  | 2                  | 07/18/24 00:52   | 07/18/24 09:31   | EPA 3050B      | 97,6010D             | JMF     |
| Cadmium, Total                   | ND     |           | mg/kg | 0.808 | --  | 2                  | 07/18/24 00:52   | 07/18/24 09:31   | EPA 3050B      | 97,6010D             | JMF     |
| Chromium, Total                  | 2.22   |           | mg/kg | 0.808 | --  | 2                  | 07/18/24 00:52   | 07/18/24 09:31   | EPA 3050B      | 97,6010D             | JMF     |
| Lead, Total                      | ND     |           | mg/kg | 4.04  | --  | 2                  | 07/18/24 00:52   | 07/18/24 09:31   | EPA 3050B      | 97,6010D             | JMF     |
| Mercury, Total                   | ND     |           | mg/kg | 0.069 | --  | 1                  | 07/17/24 07:25   | 07/18/24 18:08   | EPA 7471B      | 97,7471B             | JWN     |
| Nickel, Total                    | ND     |           | mg/kg | 2.02  | --  | 2                  | 07/18/24 00:52   | 07/18/24 09:31   | EPA 3050B      | 97,6010D             | JMF     |
| Selenium, Total                  | ND     |           | mg/kg | 4.04  | --  | 2                  | 07/18/24 00:52   | 07/18/24 09:31   | EPA 3050B      | 97,6010D             | JMF     |
| Silver, Total                    | ND     |           | mg/kg | 0.808 | --  | 2                  | 07/18/24 00:52   | 07/18/24 09:31   | EPA 3050B      | 97,6010D             | JMF     |
| Thallium, Total                  | ND     |           | mg/kg | 4.04  | --  | 2                  | 07/18/24 00:52   | 07/18/24 09:31   | EPA 3050B      | 97,6010D             | JMF     |
| Vanadium, Total                  | 2.64   |           | mg/kg | 0.808 | --  | 2                  | 07/18/24 00:52   | 07/18/24 09:31   | EPA 3050B      | 97,6010D             | JMF     |
| Zinc, Total                      | 5.06   |           | mg/kg | 4.04  | --  | 2                  | 07/18/24 00:52   | 07/18/24 09:31   | EPA 3050B      | 97,6010D             | JMF     |



**Project Name:** TRURO DPW**Lab Number:** L2439378**Project Number:** TRU250.P2**Report Date:** 07/19/24**SAMPLE RESULTS**

Lab ID: L2439378-05

Date Collected: 07/12/24 11:15

Client ID: TP4-6-8

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 95%

| Parameter                        | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Prep<br>Method | Analytical<br>Method | Analyst |
|----------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------|----------------------|---------|
| MCP Total Metals - Mansfield Lab |        |           |       |       |     |                    |                  |                  |                |                      |         |
| Antimony, Total                  | ND     |           | mg/kg | 4.09  | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:02   | EPA 3050B      | 97,6010D             | DHL     |
| Arsenic, Total                   | 1.71   |           | mg/kg | 0.817 | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:02   | EPA 3050B      | 97,6010D             | DHL     |
| Barium, Total                    | 7.74   |           | mg/kg | 0.817 | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:02   | EPA 3050B      | 97,6010D             | DHL     |
| Beryllium, Total                 | ND     |           | mg/kg | 0.409 | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:02   | EPA 3050B      | 97,6010D             | DHL     |
| Cadmium, Total                   | ND     |           | mg/kg | 0.817 | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:02   | EPA 3050B      | 97,6010D             | DHL     |
| Chromium, Total                  | 7.47   |           | mg/kg | 0.817 | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:02   | EPA 3050B      | 97,6010D             | DHL     |
| Lead, Total                      | 36.2   |           | mg/kg | 4.09  | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:02   | EPA 3050B      | 97,6010D             | DHL     |
| Mercury, Total                   | ND     |           | mg/kg | 0.072 | --  | 1                  | 07/17/24 07:25   | 07/18/24 18:11   | EPA 7471B      | 97,7471B             | JWN     |
| Nickel, Total                    | 3.08   |           | mg/kg | 2.04  | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:02   | EPA 3050B      | 97,6010D             | DHL     |
| Selenium, Total                  | ND     |           | mg/kg | 4.09  | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:02   | EPA 3050B      | 97,6010D             | DHL     |
| Silver, Total                    | ND     |           | mg/kg | 0.817 | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:02   | EPA 3050B      | 97,6010D             | DHL     |
| Thallium, Total                  | ND     |           | mg/kg | 4.09  | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:02   | EPA 3050B      | 97,6010D             | DHL     |
| Vanadium, Total                  | 6.61   |           | mg/kg | 0.817 | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:02   | EPA 3050B      | 97,6010D             | DHL     |
| Zinc, Total                      | 14.8   |           | mg/kg | 4.09  | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:02   | EPA 3050B      | 97,6010D             | DHL     |



**Project Name:** TRURO DPW**Lab Number:** L2439378**Project Number:** TRU250.P2**Report Date:** 07/19/24**SAMPLE RESULTS**

Lab ID: L2439378-06

Date Collected: 07/11/24 14:45

Client ID: TP9-2-4

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 95%

| Parameter                        | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Prep<br>Method | Analytical<br>Method | Analyst |
|----------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------|----------------------|---------|
| MCP Total Metals - Mansfield Lab |        |           |       |       |     |                    |                  |                  |                |                      |         |
| Antimony, Total                  | ND     |           | mg/kg | 4.00  | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:08   | EPA 3050B      | 97,6010D             | DHL     |
| Arsenic, Total                   | 3.46   |           | mg/kg | 0.800 | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:08   | EPA 3050B      | 97,6010D             | DHL     |
| Barium, Total                    | 2.77   |           | mg/kg | 0.800 | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:08   | EPA 3050B      | 97,6010D             | DHL     |
| Beryllium, Total                 | ND     |           | mg/kg | 0.400 | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:08   | EPA 3050B      | 97,6010D             | DHL     |
| Cadmium, Total                   | ND     |           | mg/kg | 0.800 | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:08   | EPA 3050B      | 97,6010D             | DHL     |
| Chromium, Total                  | 5.91   |           | mg/kg | 0.800 | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:08   | EPA 3050B      | 97,6010D             | DHL     |
| Lead, Total                      | ND     |           | mg/kg | 4.00  | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:08   | EPA 3050B      | 97,6010D             | DHL     |
| Mercury, Total                   | ND     |           | mg/kg | 0.073 | --  | 1                  | 07/17/24 07:25   | 07/18/24 18:14   | EPA 7471B      | 97,7471B             | JWN     |
| Nickel, Total                    | 3.14   |           | mg/kg | 2.00  | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:08   | EPA 3050B      | 97,6010D             | DHL     |
| Selenium, Total                  | ND     |           | mg/kg | 4.00  | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:08   | EPA 3050B      | 97,6010D             | DHL     |
| Silver, Total                    | ND     |           | mg/kg | 0.800 | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:08   | EPA 3050B      | 97,6010D             | DHL     |
| Thallium, Total                  | ND     |           | mg/kg | 4.00  | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:08   | EPA 3050B      | 97,6010D             | DHL     |
| Vanadium, Total                  | 6.16   |           | mg/kg | 0.800 | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:08   | EPA 3050B      | 97,6010D             | DHL     |
| Zinc, Total                      | 7.79   |           | mg/kg | 4.00  | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:08   | EPA 3050B      | 97,6010D             | DHL     |



Project Name: TRURO DPW

Lab Number: L2439378

Project Number: TRU250.P2

Report Date: 07/19/24

## SAMPLE RESULTS

Lab ID: L2439378-07

Date Collected: 07/11/24 13:00

Client ID: TP12-2-4

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 92%

| Parameter                        | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Prep<br>Method | Analytical<br>Method | Analyst |
|----------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------|----------------------|---------|
| MCP Total Metals - Mansfield Lab |        |           |       |       |     |                    |                  |                  |                |                      |         |
| Antimony, Total                  | ND     |           | mg/kg | 4.20  | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:14   | EPA 3050B      | 97,6010D             | DHL     |
| Arsenic, Total                   | 2.31   |           | mg/kg | 0.841 | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:14   | EPA 3050B      | 97,6010D             | DHL     |
| Barium, Total                    | 4.57   |           | mg/kg | 0.841 | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:14   | EPA 3050B      | 97,6010D             | DHL     |
| Beryllium, Total                 | ND     |           | mg/kg | 0.420 | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:14   | EPA 3050B      | 97,6010D             | DHL     |
| Cadmium, Total                   | ND     |           | mg/kg | 0.841 | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:14   | EPA 3050B      | 97,6010D             | DHL     |
| Chromium, Total                  | 3.49   |           | mg/kg | 0.841 | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:14   | EPA 3050B      | 97,6010D             | DHL     |
| Lead, Total                      | 10.4   |           | mg/kg | 4.20  | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:14   | EPA 3050B      | 97,6010D             | DHL     |
| Mercury, Total                   | ND     |           | mg/kg | 0.072 | --  | 1                  | 07/17/24 07:25   | 07/18/24 18:17   | EPA 7471B      | 97,7471B             | JWN     |
| Nickel, Total                    | ND     |           | mg/kg | 2.10  | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:14   | EPA 3050B      | 97,6010D             | DHL     |
| Selenium, Total                  | ND     |           | mg/kg | 4.20  | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:14   | EPA 3050B      | 97,6010D             | DHL     |
| Silver, Total                    | ND     |           | mg/kg | 0.841 | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:14   | EPA 3050B      | 97,6010D             | DHL     |
| Thallium, Total                  | ND     |           | mg/kg | 4.20  | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:14   | EPA 3050B      | 97,6010D             | DHL     |
| Vanadium, Total                  | 6.43   |           | mg/kg | 0.841 | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:14   | EPA 3050B      | 97,6010D             | DHL     |
| Zinc, Total                      | 7.97   |           | mg/kg | 4.20  | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:14   | EPA 3050B      | 97,6010D             | DHL     |





Project Name: TRURO DPW

Lab Number: L2439378

Project Number: TRU250.P2

Report Date: 07/19/24

## SAMPLE RESULTS

Lab ID: L2439378-08

Date Collected: 07/12/24 12:10

Client ID: TP7-4-6

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 96%

| Parameter                        | Result | Qualifier | Units | RL    | MDL | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|----------------------------------|--------|-----------|-------|-------|-----|-----------------|----------------|----------------|-------------|-------------------|---------|
| MCP Total Metals - Mansfield Lab |        |           |       |       |     |                 |                |                |             |                   |         |
| Antimony, Total                  | ND     |           | mg/kg | 4.11  | --  | 2               | 07/15/24 22:55 | 07/17/24 18:21 | EPA 3050B   | 97,6010D          | DHL     |
| Arsenic, Total                   | 1.37   |           | mg/kg | 0.821 | --  | 2               | 07/15/24 22:55 | 07/17/24 18:21 | EPA 3050B   | 97,6010D          | DHL     |
| Barium, Total                    | 3.58   |           | mg/kg | 0.821 | --  | 2               | 07/15/24 22:55 | 07/17/24 18:21 | EPA 3050B   | 97,6010D          | DHL     |
| Beryllium, Total                 | ND     |           | mg/kg | 0.411 | --  | 2               | 07/15/24 22:55 | 07/17/24 18:21 | EPA 3050B   | 97,6010D          | DHL     |
| Cadmium, Total                   | ND     |           | mg/kg | 0.821 | --  | 2               | 07/15/24 22:55 | 07/17/24 18:21 | EPA 3050B   | 97,6010D          | DHL     |
| Chromium, Total                  | 4.90   |           | mg/kg | 0.821 | --  | 2               | 07/15/24 22:55 | 07/17/24 18:21 | EPA 3050B   | 97,6010D          | DHL     |
| Lead, Total                      | 29.1   |           | mg/kg | 4.11  | --  | 2               | 07/15/24 22:55 | 07/17/24 18:21 | EPA 3050B   | 97,6010D          | DHL     |
| Mercury, Total                   | ND     |           | mg/kg | 0.069 | --  | 1               | 07/17/24 07:25 | 07/18/24 18:21 | EPA 7471B   | 97,7471B          | JWN     |
| Nickel, Total                    | ND     |           | mg/kg | 2.05  | --  | 2               | 07/15/24 22:55 | 07/17/24 18:21 | EPA 3050B   | 97,6010D          | DHL     |
| Selenium, Total                  | ND     |           | mg/kg | 4.11  | --  | 2               | 07/15/24 22:55 | 07/17/24 18:21 | EPA 3050B   | 97,6010D          | DHL     |
| Silver, Total                    | ND     |           | mg/kg | 0.821 | --  | 2               | 07/15/24 22:55 | 07/17/24 18:21 | EPA 3050B   | 97,6010D          | DHL     |
| Thallium, Total                  | ND     |           | mg/kg | 4.11  | --  | 2               | 07/15/24 22:55 | 07/17/24 18:21 | EPA 3050B   | 97,6010D          | DHL     |
| Vanadium, Total                  | 4.20   |           | mg/kg | 0.821 | --  | 2               | 07/15/24 22:55 | 07/17/24 18:21 | EPA 3050B   | 97,6010D          | DHL     |
| Zinc, Total                      | 14.3   |           | mg/kg | 4.11  | --  | 2               | 07/15/24 22:55 | 07/17/24 18:21 | EPA 3050B   | 97,6010D          | DHL     |



Project Name: TRURO DPW

Lab Number: L2439378

Project Number: TRU250.P2

Report Date: 07/19/24

## SAMPLE RESULTS

Lab ID: L2439378-09

Date Collected: 07/12/24 13:15

Client ID: TP8-0-2

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 94%

| Parameter                        | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Prep<br>Method | Analytical<br>Method | Analyst |
|----------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------|----------------------|---------|
| MCP Total Metals - Mansfield Lab |        |           |       |       |     |                    |                  |                  |                |                      |         |
| Antimony, Total                  | ND     |           | mg/kg | 4.17  | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:27   | EPA 3050B      | 97,6010D             | DHL     |
| Arsenic, Total                   | 7.00   |           | mg/kg | 0.835 | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:27   | EPA 3050B      | 97,6010D             | DHL     |
| Barium, Total                    | 10.7   |           | mg/kg | 0.835 | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:27   | EPA 3050B      | 97,6010D             | DHL     |
| Beryllium, Total                 | ND     |           | mg/kg | 0.417 | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:27   | EPA 3050B      | 97,6010D             | DHL     |
| Cadmium, Total                   | ND     |           | mg/kg | 0.835 | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:27   | EPA 3050B      | 97,6010D             | DHL     |
| Chromium, Total                  | 10.9   |           | mg/kg | 0.835 | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:27   | EPA 3050B      | 97,6010D             | DHL     |
| Lead, Total                      | 26.2   |           | mg/kg | 4.17  | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:27   | EPA 3050B      | 97,6010D             | DHL     |
| Mercury, Total                   | 0.091  |           | mg/kg | 0.067 | --  | 1                  | 07/17/24 07:25   | 07/18/24 18:24   | EPA 7471B      | 97,7471B             | JWN     |
| Nickel, Total                    | 4.57   |           | mg/kg | 2.09  | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:27   | EPA 3050B      | 97,6010D             | DHL     |
| Selenium, Total                  | ND     |           | mg/kg | 4.17  | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:27   | EPA 3050B      | 97,6010D             | DHL     |
| Silver, Total                    | ND     |           | mg/kg | 0.835 | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:27   | EPA 3050B      | 97,6010D             | DHL     |
| Thallium, Total                  | ND     |           | mg/kg | 4.17  | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:27   | EPA 3050B      | 97,6010D             | DHL     |
| Vanadium, Total                  | 9.02   |           | mg/kg | 0.835 | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:27   | EPA 3050B      | 97,6010D             | DHL     |
| Zinc, Total                      | 186    |           | mg/kg | 4.17  | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:27   | EPA 3050B      | 97,6010D             | DHL     |



Project Name: TRURO DPW

Lab Number: L2439378

Project Number: TRU250.P2

Report Date: 07/19/24

## Method Blank Analysis Batch Quality Control

| Parameter                                                                      | Result Qualifier | Units | RL    | MDL | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|--------------------------------------------------------------------------------|------------------|-------|-------|-----|-----------------|----------------|----------------|-------------------|---------|
| MCP Total Metals - Mansfield Lab for sample(s): 01-03,05-09 Batch: WG1947209-1 |                  |       |       |     |                 |                |                |                   |         |
| Antimony, Total                                                                | ND               | mg/kg | 2.00  | --  | 1               | 07/15/24 22:55 | 07/17/24 15:46 | 97,6010D          | DHL     |
| Arsenic, Total                                                                 | ND               | mg/kg | 0.400 | --  | 1               | 07/15/24 22:55 | 07/17/24 15:46 | 97,6010D          | DHL     |
| Barium, Total                                                                  | ND               | mg/kg | 0.400 | --  | 1               | 07/15/24 22:55 | 07/17/24 15:46 | 97,6010D          | DHL     |
| Beryllium, Total                                                               | ND               | mg/kg | 0.200 | --  | 1               | 07/15/24 22:55 | 07/17/24 15:46 | 97,6010D          | DHL     |
| Cadmium, Total                                                                 | ND               | mg/kg | 0.400 | --  | 1               | 07/15/24 22:55 | 07/17/24 15:46 | 97,6010D          | DHL     |
| Chromium, Total                                                                | ND               | mg/kg | 0.400 | --  | 1               | 07/15/24 22:55 | 07/17/24 15:46 | 97,6010D          | DHL     |
| Lead, Total                                                                    | ND               | mg/kg | 2.00  | --  | 1               | 07/15/24 22:55 | 07/17/24 15:46 | 97,6010D          | DHL     |
| Nickel, Total                                                                  | ND               | mg/kg | 1.00  | --  | 1               | 07/15/24 22:55 | 07/17/24 15:46 | 97,6010D          | DHL     |
| Selenium, Total                                                                | ND               | mg/kg | 2.00  | --  | 1               | 07/15/24 22:55 | 07/17/24 15:46 | 97,6010D          | DHL     |
| Silver, Total                                                                  | ND               | mg/kg | 0.400 | --  | 1               | 07/15/24 22:55 | 07/17/24 15:46 | 97,6010D          | DHL     |
| Thallium, Total                                                                | ND               | mg/kg | 2.00  | --  | 1               | 07/15/24 22:55 | 07/17/24 15:46 | 97,6010D          | DHL     |
| Vanadium, Total                                                                | ND               | mg/kg | 0.400 | --  | 1               | 07/15/24 22:55 | 07/17/24 15:46 | 97,6010D          | DHL     |
| Zinc, Total                                                                    | ND               | mg/kg | 2.00  | --  | 1               | 07/15/24 22:55 | 07/17/24 15:46 | 97,6010D          | DHL     |

### Prep Information

Digestion Method: EPA 3050B

| Parameter                                                                | Result Qualifier | Units | RL    | MDL | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|--------------------------------------------------------------------------|------------------|-------|-------|-----|-----------------|----------------|----------------|-------------------|---------|
| MCP Total Metals - Mansfield Lab for sample(s): 01-09 Batch: WG1947726-1 |                  |       |       |     |                 |                |                |                   |         |
| Mercury, Total                                                           | ND               | mg/kg | 0.083 | --  | 1               | 07/17/24 07:25 | 07/18/24 17:41 | 97,7471B          | JWN     |

### Prep Information

Digestion Method: EPA 7471B

| Parameter                                                             | Result Qualifier | Units | RL    | MDL | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|-----------------------------------------------------------------------|------------------|-------|-------|-----|-----------------|----------------|----------------|-------------------|---------|
| MCP Total Metals - Mansfield Lab for sample(s): 04 Batch: WG1948202-1 |                  |       |       |     |                 |                |                |                   |         |
| Antimony, Total                                                       | ND               | mg/kg | 2.00  | --  | 1               | 07/18/24 00:52 | 07/18/24 09:00 | 97,6010D          | JMF     |
| Arsenic, Total                                                        | ND               | mg/kg | 0.400 | --  | 1               | 07/18/24 00:52 | 07/18/24 09:00 | 97,6010D          | JMF     |
| Barium, Total                                                         | ND               | mg/kg | 0.400 | --  | 1               | 07/18/24 00:52 | 07/18/24 09:00 | 97,6010D          | JMF     |



Project Name: TRURO DPW

Lab Number: L2439378

Project Number: TRU250.P2

Report Date: 07/19/24

## Method Blank Analysis Batch Quality Control

|                  |    |       |       |    |   |                |                |          |     |
|------------------|----|-------|-------|----|---|----------------|----------------|----------|-----|
| Beryllium, Total | ND | mg/kg | 0.200 | -- | 1 | 07/18/24 00:52 | 07/18/24 09:00 | 97,6010D | JMF |
| Cadmium, Total   | ND | mg/kg | 0.400 | -- | 1 | 07/18/24 00:52 | 07/18/24 09:00 | 97,6010D | JMF |
| Chromium, Total  | ND | mg/kg | 0.400 | -- | 1 | 07/18/24 00:52 | 07/18/24 09:00 | 97,6010D | JMF |
| Lead, Total      | ND | mg/kg | 2.00  | -- | 1 | 07/18/24 00:52 | 07/18/24 09:00 | 97,6010D | JMF |
| Nickel, Total    | ND | mg/kg | 1.00  | -- | 1 | 07/18/24 00:52 | 07/18/24 09:00 | 97,6010D | JMF |
| Selenium, Total  | ND | mg/kg | 2.00  | -- | 1 | 07/18/24 00:52 | 07/18/24 09:00 | 97,6010D | JMF |
| Silver, Total    | ND | mg/kg | 0.400 | -- | 1 | 07/18/24 00:52 | 07/18/24 09:00 | 97,6010D | JMF |
| Thallium, Total  | ND | mg/kg | 2.00  | -- | 1 | 07/18/24 00:52 | 07/18/24 09:00 | 97,6010D | JMF |
| Vanadium, Total  | ND | mg/kg | 0.400 | -- | 1 | 07/18/24 00:52 | 07/18/24 09:00 | 97,6010D | JMF |
| Zinc, Total      | ND | mg/kg | 2.00  | -- | 1 | 07/18/24 00:52 | 07/18/24 09:00 | 97,6010D | JMF |

### Prep Information

Digestion Method: EPA 3050B



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Lab Number: L2439378

Project Number: TRU250.P2

Report Date: 07/19/24

| Parameter                                                                                                                  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD Limits |
|----------------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|------------|
| MCP Total Metals - Mansfield Lab Associated sample(s): 01-03,05-09 Batch: WG1947209-2 WG1947209-3 SRM Lot Number: D123-540 |                  |      |                   |      |                     |     |      |            |
| Antimony, Total                                                                                                            | 130              |      | 135               |      | 2-201               | 4   |      | 30         |
| Arsenic, Total                                                                                                             | 92               |      | 99                |      | 82-118              | 7   |      | 30         |
| Barium, Total                                                                                                              | 92               |      | 99                |      | 82-118              | 7   |      | 30         |
| Beryllium, Total                                                                                                           | 90               |      | 98                |      | 83-117              | 9   |      | 30         |
| Cadmium, Total                                                                                                             | 94               |      | 103               |      | 83-118              | 9   |      | 30         |
| Chromium, Total                                                                                                            | 94               |      | 100               |      | 81-118              | 6   |      | 30         |
| Lead, Total                                                                                                                | 93               |      | 99                |      | 82-119              | 6   |      | 30         |
| Nickel, Total                                                                                                              | 92               |      | 99                |      | 82-118              | 7   |      | 30         |
| Selenium, Total                                                                                                            | 93               |      | 101               |      | 81-119              | 8   |      | 30         |
| Silver, Total                                                                                                              | 92               |      | 99                |      | 79-120              | 7   |      | 30         |
| Thallium, Total                                                                                                            | 97               |      | 106               |      | 81-120              | 9   |      | 30         |
| Vanadium, Total                                                                                                            | 92               |      | 98                |      | 78-122              | 6   |      | 30         |
| Zinc, Total                                                                                                                | 93               |      | 99                |      | 80-120              | 6   |      | 30         |
| MCP Total Metals - Mansfield Lab Associated sample(s): 01-09 Batch: WG1947726-2 WG1947726-3 SRM Lot Number: D123-540       |                  |      |                   |      |                     |     |      |            |
| Mercury, Total                                                                                                             | 85               |      | 89                |      | 67-132              | 5   |      | 30         |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU250.P2

Lab Number: L2439378

Report Date: 07/19/24

| Parameter                                                                                                         | LCS<br>%Recovery | LCSD<br>%Recovery | %Recovery<br>Limits | RPD | RPD Limits |
|-------------------------------------------------------------------------------------------------------------------|------------------|-------------------|---------------------|-----|------------|
| MCP Total Metals - Mansfield Lab Associated sample(s): 04 Batch: WG1948202-2 WG1948202-3 SRM Lot Number: D123-540 |                  |                   |                     |     |            |
| Antimony, Total                                                                                                   | 160              | 155               | 2-201               | 3   | 30         |
| Arsenic, Total                                                                                                    | 101              | 99                | 82-118              | 2   | 30         |
| Barium, Total                                                                                                     | 103              | 95                | 82-118              | 8   | 30         |
| Beryllium, Total                                                                                                  | 100              | 100               | 83-117              | 0   | 30         |
| Cadmium, Total                                                                                                    | 102              | 102               | 83-118              | 0   | 30         |
| Chromium, Total                                                                                                   | 102              | 100               | 81-118              | 2   | 30         |
| Lead, Total                                                                                                       | 98               | 95                | 82-119              | 3   | 30         |
| Nickel, Total                                                                                                     | 104              | 104               | 82-118              | 0   | 30         |
| Selenium, Total                                                                                                   | 101              | 100               | 81-119              | 1   | 30         |
| Silver, Total                                                                                                     | 103              | 101               | 79-120              | 2   | 30         |
| Thallium, Total                                                                                                   | 92               | 93                | 81-120              | 1   | 30         |
| Vanadium, Total                                                                                                   | 101              | 102               | 78-122              | 1   | 30         |
| Zinc, Total                                                                                                       | 103              | 102               | 80-120              | 1   | 30         |

# **INORGANICS & MISCELLANEOUS**

**Project Name:** TRURO DPW**Project Number:** TRU250.P2**Lab Number:** L2439378**Report Date:** 07/19/24**SAMPLE RESULTS****Lab ID:** L2439378-01**Client ID:** TP1-0-2**Sample Location:** TRURO, MA**Date Collected:** 07/12/24 07:45**Date Received:** 07/12/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 95.1   |           | %     | 0.100 | NA  | 1                  | -                | 07/13/24 10:24   | 121,2540G            | ROI     |





**Project Name:** TRURO DPW**Project Number:** TRU250.P2**Lab Number:** L2439378**Report Date:** 07/19/24**SAMPLE RESULTS****Lab ID:** L2439378-02**Client ID:** TP1-4-6**Sample Location:** TRURO, MA**Date Collected:** 07/12/24 07:55**Date Received:** 07/12/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 96.9   |           | %     | 0.100 | NA  | 1                  | -                | 07/13/24 10:24   | 121,2540G            | ROI     |



**Project Name:** TRURO DPW**Project Number:** TRU250.P2**Lab Number:** L2439378**Report Date:** 07/19/24**SAMPLE RESULTS****Lab ID:** L2439378-03**Client ID:** TP2-2-4**Sample Location:** TRURO, MA**Date Collected:** 07/12/24 08:50**Date Received:** 07/12/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 97.7   |           | %     | 0.100 | NA  | 1                  | -                | 07/13/24 10:24   | 121,2540G            | ROI     |



**Project Name:** TRURO DPW**Project Number:** TRU250.P2**Lab Number:** L2439378**Report Date:** 07/19/24**SAMPLE RESULTS****Lab ID:** L2439378-04**Client ID:** TP3-8-10**Sample Location:** TRURO, MA**Date Collected:** 07/12/24 10:00**Date Received:** 07/12/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 97.5   |           | %     | 0.100 | NA  | 1                  | -                | 07/13/24 10:24   | 121,2540G            | ROI     |



**Project Name:** TRURO DPW**Project Number:** TRU250.P2**Lab Number:** L2439378**Report Date:** 07/19/24**SAMPLE RESULTS****Lab ID:** L2439378-05**Client ID:** TP4-6-8**Sample Location:** TRURO, MA**Date Collected:** 07/12/24 11:15**Date Received:** 07/12/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 95.0   |           | %     | 0.100 | NA  | 1                  | -                | 07/13/24 10:24   | 121,2540G            | ROI     |



**Project Name:** TRURO DPW**Project Number:** TRU250.P2**Lab Number:** L2439378**Report Date:** 07/19/24**SAMPLE RESULTS****Lab ID:** L2439378-06**Client ID:** TP9-2-4**Sample Location:** TRURO, MA**Date Collected:** 07/11/24 14:45**Date Received:** 07/12/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 95.4   |           | %     | 0.100 | NA  | 1                  | -                | 07/13/24 10:24   | 121,2540G            | ROI     |



**Project Name:** TRURO DPW**Project Number:** TRU250.P2**Lab Number:** L2439378**Report Date:** 07/19/24**SAMPLE RESULTS****Lab ID:** L2439378-07**Client ID:** TP12-2-4**Sample Location:** TRURO, MA**Date Collected:** 07/11/24 13:00**Date Received:** 07/12/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 92.2   |           | %     | 0.100 | NA  | 1                  | -                | 07/13/24 10:24   | 121,2540G            | ROI     |



**Project Name:** TRURO DPW**Project Number:** TRU250.P2**Lab Number:** L2439378**Report Date:** 07/19/24**SAMPLE RESULTS****Lab ID:** L2439378-08**Client ID:** TP7-4-6**Sample Location:** TRURO, MA**Date Collected:** 07/12/24 12:10**Date Received:** 07/12/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 95.7   |           | %     | 0.100 | NA  | 1                  | -                | 07/13/24 10:24   | 121,2540G            | ROI     |



**Project Name:** TRURO DPW**Project Number:** TRU250.P2**Lab Number:** L2439378**Report Date:** 07/19/24**SAMPLE RESULTS****Lab ID:** L2439378-09**Client ID:** TP8-0-2**Sample Location:** TRURO, MA**Date Collected:** 07/12/24 13:15**Date Received:** 07/12/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 94.4   |           | %     | 0.100 | NA  | 1                  | -                | 07/13/24 10:24   | 121,2540G            | ROI     |





**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

Serial\_No:07192416:48  
**Lab Number:** L2439378  
**Report Date:** 07/19/24

**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information**

|               |                     |
|---------------|---------------------|
| <b>Cooler</b> | <b>Custody Seal</b> |
| A             | Absent              |

**Container Information**

| Container ID | Container Type                         | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal   | Frozen Date/Time | Analysis(*)                                                                                                                                                                                                                                                                                      |
|--------------|----------------------------------------|--------|------------|----------|------------|------|--------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L2439378-01A | Vial MeOH preserved                    | A      | NA         |          | 3.0        | Y    | Absent |                  | MCP-8260HLW-21(14),VPH-18(28)                                                                                                                                                                                                                                                                    |
| L2439378-01B | Vial water preserved                   | A      | NA         |          | 3.0        | Y    | Absent | 12-JUL-24 21:19  | MCP-8260HLW-21(14)                                                                                                                                                                                                                                                                               |
| L2439378-01C | Vial water preserved                   | A      | NA         |          | 3.0        | Y    | Absent | 12-JUL-24 21:19  | MCP-8260HLW-21(14)                                                                                                                                                                                                                                                                               |
| L2439378-01D | Plastic 2oz unpreserved for TS         | A      | NA         |          | 3.0        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                            |
| L2439378-01E | Metals Only-Glass 60mL/2oz unpreserved | A      | NA         |          | 3.0        | Y    | Absent |                  | MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-TL-6010T-10(180),MCP-CD-6010T-10(180),MCP-7471T-10(28),MCP-ZN-6010T-10(180),MCP-SB-6010T-10(180),MCP-AG-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180) |
| L2439378-01F | Metals Only-Glass 60mL/2oz unpreserved | A      | NA         |          | 3.0        | Y    | Absent |                  | MCP-8082-10(365),MCP-8151-10(14),MCP-8081-10(14),EPH-DELUX-20(14)                                                                                                                                                                                                                                |
| L2439378-02A | Vial MeOH preserved                    | A      | NA         |          | 3.0        | Y    | Absent |                  | HOLD-8260HLW(14)                                                                                                                                                                                                                                                                                 |
| L2439378-02B | Vial water preserved                   | A      | NA         |          | 3.0        | Y    | Absent | 12-JUL-24 21:19  | HOLD-8260HLW(14)                                                                                                                                                                                                                                                                                 |
| L2439378-02C | Vial water preserved                   | A      | NA         |          | 3.0        | Y    | Absent | 12-JUL-24 21:19  | HOLD-8260HLW(14)                                                                                                                                                                                                                                                                                 |
| L2439378-02D | Plastic 2oz unpreserved for TS         | A      | NA         |          | 3.0        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                            |
| L2439378-02E | Metals Only-Glass 60mL/2oz unpreserved | A      | NA         |          | 3.0        | Y    | Absent |                  | MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-AG-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-PB-6010T-10(180),MCP-NI-6010T-10(180) |
| L2439378-02F | Metals Only-Glass 60mL/2oz unpreserved | A      | NA         |          | 3.0        | Y    | Absent |                  | EPH-DELUX-20(14)                                                                                                                                                                                                                                                                                 |
| L2439378-03A | Vial MeOH preserved                    | A      | NA         |          | 3.0        | Y    | Absent |                  | MCP-8260HLW-21(14),VPH-18(28)                                                                                                                                                                                                                                                                    |
| L2439378-03B | Vial water preserved                   | A      | NA         |          | 3.0        | Y    | Absent | 12-JUL-24 21:19  | MCP-8260HLW-21(14)                                                                                                                                                                                                                                                                               |
| L2439378-03C | Vial water preserved                   | A      | NA         |          | 3.0        | Y    | Absent | 12-JUL-24 21:19  | MCP-8260HLW-21(14)                                                                                                                                                                                                                                                                               |
| L2439378-03D | Plastic 2oz unpreserved for TS         | A      | NA         |          | 3.0        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                            |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Serial\_No:**07192416:48  
**Lab Number:** L2439378  
**Report Date:** 07/19/24

**Container Information**

| Container ID | Container Type                         | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal   | Frozen Date/Time | Analysis(*)                                                                                                                                                                                                                                                                                      |
|--------------|----------------------------------------|--------|------------|----------|------------|------|--------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L2439378-03E | Metals Only-Glass 60mL/2oz unpreserved | A      | NA         |          | 3.0        | Y    | Absent |                  | MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-TL-6010T-10(180),MCP-CD-6010T-10(180),MCP-7471T-10(28),MCP-SB-6010T-10(180),MCP-AG-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-PB-6010T-10(180),MCP-NI-6010T-10(180) |
| L2439378-03F | Metals Only-Glass 60mL/2oz unpreserved | A      | NA         |          | 3.0        | Y    | Absent |                  | MCP-8082-10(365),MCP-8081-10(14),MCP-8151-10(14),EPH-DELUX-20(14)                                                                                                                                                                                                                                |
| L2439378-04A | Vial MeOH preserved                    | A      | NA         |          | 3.0        | Y    | Absent |                  | MCP-8260HLW-21(14),VPH-18(28)                                                                                                                                                                                                                                                                    |
| L2439378-04B | Vial water preserved                   | A      | NA         |          | 3.0        | Y    | Absent | 12-JUL-24 21:19  | MCP-8260HLW-21(14)                                                                                                                                                                                                                                                                               |
| L2439378-04C | Vial water preserved                   | A      | NA         |          | 3.0        | Y    | Absent | 12-JUL-24 21:19  | MCP-8260HLW-21(14)                                                                                                                                                                                                                                                                               |
| L2439378-04D | Plastic 2oz unpreserved for TS         | A      | NA         |          | 3.0        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                            |
| L2439378-04E | Metals Only-Glass 60mL/2oz unpreserved | A      | NA         |          | 3.0        | Y    | Absent |                  | MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SB-6010T-10(180),MCP-AG-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180) |
| L2439378-04F | Metals Only-Glass 60mL/2oz unpreserved | A      | NA         |          | 3.0        | Y    | Absent |                  | MCP-8082-10(365),MCP-8151-10(14),MCP-8081-10(14),EPH-DELUX-20(14)                                                                                                                                                                                                                                |
| L2439378-05A | Vial MeOH preserved                    | A      | NA         |          | 3.0        | Y    | Absent |                  | MCP-8260HLW-21(14),VPH-18(28)                                                                                                                                                                                                                                                                    |
| L2439378-05B | Vial water preserved                   | A      | NA         |          | 3.0        | Y    | Absent | 12-JUL-24 21:19  | MCP-8260HLW-21(14)                                                                                                                                                                                                                                                                               |
| L2439378-05C | Vial water preserved                   | A      | NA         |          | 3.0        | Y    | Absent | 12-JUL-24 21:19  | MCP-8260HLW-21(14)                                                                                                                                                                                                                                                                               |
| L2439378-05D | Plastic 2oz unpreserved for TS         | A      | NA         |          | 3.0        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                            |
| L2439378-05E | Metals Only-Glass 60mL/2oz unpreserved | A      | NA         |          | 3.0        | Y    | Absent |                  | MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-PB-6010T-10(180),MCP-NI-6010T-10(180) |
| L2439378-05F | Metals Only-Glass 60mL/2oz unpreserved | A      | NA         |          | 3.0        | Y    | Absent |                  | EPH-DELUX-20(14)                                                                                                                                                                                                                                                                                 |
| L2439378-06A | Vial MeOH preserved                    | A      | NA         |          | 3.0        | Y    | Absent |                  | MCP-8260HLW-21(14),VPH-18(28)                                                                                                                                                                                                                                                                    |
| L2439378-06B | Vial water preserved                   | A      | NA         |          | 3.0        | Y    | Absent | 12-JUL-24 21:19  | MCP-8260HLW-21(14)                                                                                                                                                                                                                                                                               |
| L2439378-06C | Vial water preserved                   | A      | NA         |          | 3.0        | Y    | Absent | 12-JUL-24 21:19  | MCP-8260HLW-21(14)                                                                                                                                                                                                                                                                               |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

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**Container Information**

| Container ID | Container Type                         | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal   | Frozen Date/Time | Analysis(*)                                                                                                                                                                                                                                                                                      |
|--------------|----------------------------------------|--------|------------|----------|------------|------|--------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L2439378-06D | Plastic 2oz unpreserved for TS         | A      | NA         |          | 3.0        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                            |
| L2439378-06E | Metals Only-Glass 60mL/2oz unpreserved | A      | NA         |          | 3.0        | Y    | Absent |                  | MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-CD-6010T-10(180),MCP-7471T-10(28),MCP-TL-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SB-6010T-10(180),MCP-AG-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180) |
| L2439378-06F | Metals Only-Glass 60mL/2oz unpreserved | A      | NA         |          | 3.0        | Y    | Absent |                  | EPH-DELUX-20(14)                                                                                                                                                                                                                                                                                 |
| L2439378-07A | Vial MeOH preserved                    | A      | NA         |          | 3.0        | Y    | Absent |                  | MCP-8260HLW-21(14),VPH-18(28)                                                                                                                                                                                                                                                                    |
| L2439378-07B | Vial water preserved                   | A      | NA         |          | 3.0        | Y    | Absent | 12-JUL-24 21:19  | MCP-8260HLW-21(14)                                                                                                                                                                                                                                                                               |
| L2439378-07C | Vial water preserved                   | A      | NA         |          | 3.0        | Y    | Absent | 12-JUL-24 21:19  | MCP-8260HLW-21(14)                                                                                                                                                                                                                                                                               |
| L2439378-07D | Plastic 2oz unpreserved for TS         | A      | NA         |          | 3.0        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                            |
| L2439378-07E | Metals Only-Glass 60mL/2oz unpreserved | A      | NA         |          | 3.0        | Y    | Absent |                  | MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-CD-6010T-10(180),MCP-7471T-10(28),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-PB-6010T-10(180),MCP-NI-6010T-10(180) |
| L2439378-07F | Metals Only-Glass 60mL/2oz unpreserved | A      | NA         |          | 3.0        | Y    | Absent |                  | MCP-8082-10(365),MCP-8081-10(14),MCP-8151-10(14),EPH-DELUX-20(14)                                                                                                                                                                                                                                |
| L2439378-08A | Vial MeOH preserved                    | A      | NA         |          | 3.0        | Y    | Absent |                  | MCP-8260HLW-21(14),VPH-18(28)                                                                                                                                                                                                                                                                    |
| L2439378-08B | Vial water preserved                   | A      | NA         |          | 3.0        | Y    | Absent | 12-JUL-24 21:19  | MCP-8260HLW-21(14)                                                                                                                                                                                                                                                                               |
| L2439378-08C | Vial water preserved                   | A      | NA         |          | 3.0        | Y    | Absent | 12-JUL-24 21:19  | MCP-8260HLW-21(14)                                                                                                                                                                                                                                                                               |
| L2439378-08D | Plastic 2oz unpreserved for TS         | A      | NA         |          | 3.0        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                            |
| L2439378-08E | Metals Only-Glass 60mL/2oz unpreserved | A      | NA         |          | 3.0        | Y    | Absent |                  | MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-CD-6010T-10(180),MCP-7471T-10(28),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SB-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180) |
| L2439378-08F | Metals Only-Glass 60mL/2oz unpreserved | A      | NA         |          | 3.0        | Y    | Absent |                  | MCP-8082-10(365),MCP-8081-10(14),MCP-8151-10(14),EPH-DELUX-20(14)                                                                                                                                                                                                                                |
| L2439378-09A | Vial MeOH preserved                    | A      | NA         |          | 3.0        | Y    | Absent |                  | MCP-8260HLW-21(14),VPH-18(28)                                                                                                                                                                                                                                                                    |
| L2439378-09B | Vial water preserved                   | A      | NA         |          | 3.0        | Y    | Absent | 12-JUL-24 21:19  | MCP-8260HLW-21(14)                                                                                                                                                                                                                                                                               |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Serial\_No:** 07192416:48  
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**Container Information**

| Container ID | Container Type                         | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal   | Frozen Date/Time | Analysis(*)                                                                                                                                                                                                                                                                                      |
|--------------|----------------------------------------|--------|------------|----------|------------|------|--------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L2439378-09C | Vial water preserved                   | A      | NA         |          | 3.0        | Y    | Absent | 12-JUL-24 21:19  | MCP-8260HLW-21(14)                                                                                                                                                                                                                                                                               |
| L2439378-09D | Plastic 2oz unpreserved for TS         | A      | NA         |          | 3.0        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                            |
| L2439378-09E | Metals Only-Glass 60mL/2oz unpreserved | A      | NA         |          | 3.0        | Y    | Absent |                  | MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-TL-6010T-10(180),MCP-CD-6010T-10(180),MCP-7471T-10(28),MCP-AG-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SB-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-PB-6010T-10(180),MCP-NI-6010T-10(180) |
| L2439378-09F | Metals Only-Glass 60mL/2oz unpreserved | A      | NA         |          | 3.0        | Y    | Absent |                  | MCP-8082-10(365),MCP-8081-10(14),MCP-8151-10(14),EPH-DELUX-20(14)                                                                                                                                                                                                                                |
| L2439378-10A | Vial MeOH preserved                    | A      | NA         |          | 3.0        | Y    | Absent |                  | HOLD-8260HLW(14)                                                                                                                                                                                                                                                                                 |
| L2439378-10B | Vial water preserved                   | A      | NA         |          | 3.0        | Y    | Absent | 12-JUL-24 21:19  | HOLD-8260HLW(14)                                                                                                                                                                                                                                                                                 |
| L2439378-10C | Vial water preserved                   | A      | NA         |          | 3.0        | Y    | Absent | 12-JUL-24 21:19  | HOLD-8260HLW(14)                                                                                                                                                                                                                                                                                 |
| L2439378-10D | Plastic 2oz unpreserved for TS         | A      | NA         |          | 3.0        | Y    | Absent |                  | HOLD-WETCHEM()                                                                                                                                                                                                                                                                                   |
| L2439378-10E | Metals Only-Glass 60mL/2oz unpreserved | A      | NA         |          | 3.0        | Y    | Absent |                  | HOLD-METAL(180)                                                                                                                                                                                                                                                                                  |
| L2439378-10F | Metals Only-Glass 60mL/2oz unpreserved | A      | NA         |          | 3.0        | Y    | Absent |                  | HOLD-8270(14)                                                                                                                                                                                                                                                                                    |
| L2439378-11A | Vial MeOH preserved                    | A      | NA         |          | 3.0        | Y    | Absent |                  | HOLD-8260HLW(14)                                                                                                                                                                                                                                                                                 |
| L2439378-11B | Vial water preserved                   | A      | NA         |          | 3.0        | Y    | Absent | 12-JUL-24 21:19  | HOLD-8260HLW(14)                                                                                                                                                                                                                                                                                 |
| L2439378-11C | Vial water preserved                   | A      | NA         |          | 3.0        | Y    | Absent | 12-JUL-24 21:19  | HOLD-8260HLW(14)                                                                                                                                                                                                                                                                                 |
| L2439378-11D | Plastic 2oz unpreserved for TS         | A      | NA         |          | 3.0        | Y    | Absent |                  | HOLD-WETCHEM()                                                                                                                                                                                                                                                                                   |
| L2439378-11E | Metals Only-Glass 60mL/2oz unpreserved | A      | NA         |          | 3.0        | Y    | Absent |                  | HOLD-METAL(180)                                                                                                                                                                                                                                                                                  |
| L2439378-11F | Metals Only-Glass 60mL/2oz unpreserved | A      | NA         |          | 3.0        | Y    | Absent |                  | HOLD-8270(14)                                                                                                                                                                                                                                                                                    |
| L2439378-12A | Vial MeOH preserved                    | A      | NA         |          | 3.0        | Y    | Absent |                  | HOLD-8260HLW(14)                                                                                                                                                                                                                                                                                 |
| L2439378-12B | Vial water preserved                   | A      | NA         |          | 3.0        | Y    | Absent | 12-JUL-24 21:19  | HOLD-8260HLW(14)                                                                                                                                                                                                                                                                                 |
| L2439378-12C | Vial water preserved                   | A      | NA         |          | 3.0        | Y    | Absent | 12-JUL-24 21:19  | HOLD-8260HLW(14)                                                                                                                                                                                                                                                                                 |
| L2439378-12D | Plastic 2oz unpreserved for TS         | A      | NA         |          | 3.0        | Y    | Absent |                  | HOLD-WETCHEM()                                                                                                                                                                                                                                                                                   |
| L2439378-12E | Metals Only-Glass 60mL/2oz unpreserved | A      | NA         |          | 3.0        | Y    | Absent |                  | HOLD-METAL(180)                                                                                                                                                                                                                                                                                  |
| L2439378-12F | Metals Only-Glass 60mL/2oz unpreserved | A      | NA         |          | 3.0        | Y    | Absent |                  | HOLD-8270(14)                                                                                                                                                                                                                                                                                    |
| L2439378-13A | Vial MeOH preserved                    | A      | NA         |          | 3.0        | Y    | Absent |                  | HOLD-8260HLW(14)                                                                                                                                                                                                                                                                                 |
| L2439378-13B | Vial water preserved                   | A      | NA         |          | 3.0        | Y    | Absent | 12-JUL-24 21:19  | HOLD-8260HLW(14)                                                                                                                                                                                                                                                                                 |

**Project Name:** TRURO DPW  
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**Lab Number:** L2439378  
**Report Date:** 07/19/24

**Container Information**

| <b>Container ID</b> | <b>Container Type</b>                  | <b>Cooler</b> | <b>Initial<br/>pH</b> | <b>Final<br/>pH</b> | <b>Temp<br/>deg C</b> | <b>Pres</b> | <b>Seal</b> | <b>Frozen<br/>Date/Time</b> | <b>Analysis(*)</b> |
|---------------------|----------------------------------------|---------------|-----------------------|---------------------|-----------------------|-------------|-------------|-----------------------------|--------------------|
| L2439378-13C        | Vial water preserved                   | A             | NA                    |                     | 3.0                   | Y           | Absent      | 12-JUL-24 21:19             | HOLD-8260HLW(14)   |
| L2439378-13D        | Plastic 2oz unpreserved for TS         | A             | NA                    |                     | 3.0                   | Y           | Absent      |                             | HOLD-WETCHEM()     |
| L2439378-13E        | Metals Only-Glass 60mL/2oz unpreserved | A             | NA                    |                     | 3.0                   | Y           | Absent      |                             | HOLD-8270(14)      |

**Project Name:** TRURO DPW**Lab Number:** L2439378**Project Number:** TRU250.P2**Report Date:** 07/19/24

## 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.)<br><br>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: Data Usability Report*

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439378  
**Report Date:** 07/19/24

## 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, Dibenz(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. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

**Report Format:** Data Usability Report



**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439378  
**Report Date:** 07/19/24

#### **Data Qualifiers**

- ND** - Not detected at the reporting limit (RL) for the sample.
- 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:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439378  
**Report Date:** 07/19/24

## REFERENCES

- 97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010; WSC-CAM-IIIA and IIID, January 2024; WSC-CAM-IIIB and VA, February 2024; and WSC-CAM-VB and VC, April 2024.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 131 Method for the Determination of Volatile Petroleum Hydrocarbons (VPH), MassDEP, February 2018, Revision 2.1 with QC Requirements & Performance Standards for the Analysis of VPH under the Massachusetts Contingency Plan, WSC-CAM-IVA, June 1, 2018.
- 135 Method for the Determination of Extractable Petroleum Hydrocarbons (EPH), MassDEP, December 2019, Revision 2.1 with QC Requirements & Performance Standards for the Analysis of EPH under the Massachusetts Contingency Plan, WSC-CAM-IVB, March 1, 2020.
- 141 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA and IIB, November 2021.

## LIMITATION OF LIABILITIES

Alpha Analytical 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 Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical 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 Alpha Analytical.

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.



**Alpha Analytical, Inc.**Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 21

Published Date: 04/17/2024

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**Certification Information**

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

**Westborough Facility****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, NO<sub>2</sub>, NO<sub>3</sub>.**Mansfield Facility****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.

**Nonpotable Water:** **EPA RSK-175 Dissolved Gases****Biological Tissue Matrix:** EPA 3050B

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

**Westborough Facility:****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:****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**

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

L2439378  
HRP - MA  


19JUL24



## CHAIN OF CUSTODY

PAGE \_\_\_\_\_ OF \_\_\_\_\_

8 Walkup Drive  
Westboro, MA 01581  
Tel: 508-898-9220320 Forbes Blvd  
Mansfield, MA 02048  
Tel: 508-822-9300

## Project Information

Project Name: **Truro DPW**  
Project Location: **Truro, MA**  
Project #: **TRU250.P2**  
Project Manager: **Bryan Massa**  
ALPHA Quote #:Date Rec'd in Lab: **7/12/24**

## Report Information - Data Deliverables

☒ ADEx ☒ EMAIL

## Regulatory Requirements &amp; Project Information

☒ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods  
☐ Yes ☒ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)  
☒ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)  
☐ Yes ☐ No NPDES RGP  
☐ Other State /Fed Program \_\_\_\_\_ Criteria \_\_\_\_\_

## Client Information

Client: **HRP Associates**  
Address: **13 Court st**  
**Plymouth Ma 02360**  
Phone: **781 243 1527**Email: **Bryan.Massa@HRPassociates.com**

## Additional Project Information:

## Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)  
Date Due:

| ALPHA Lab ID<br>(Lab Use Only) | Sample ID | Collection |      | Sample Matrix | Sampler Initials | ANALYSIS                                                                                                  |                                                                 |                                                                                                                    |                                                                    |                                                                                     |                                                                                  |                                                                               |            |  |  | SAMPLE INFO | TOTAL<br>#<br>BOTTLES |   |
|--------------------------------|-----------|------------|------|---------------|------------------|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-------------------------------------------------------------------------------|------------|--|--|-------------|-----------------------|---|
|                                |           | Date       | Time |               |                  | VOC: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> 524.2 | SVOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH | METALS: <input type="checkbox"/> MCP 13 <input checked="" type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15 | EPH: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8 | VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only | <input checked="" type="checkbox"/> PCB <input checked="" type="checkbox"/> PEST | TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint | Herbicides |  |  |             |                       |   |
| 39378-01                       | TP1-0-2   | 7/12/24    | 0745 | S             | ACB              | X                                                                                                         |                                                                 | X                                                                                                                  |                                                                    | X                                                                                   | X                                                                                | X                                                                             | X          |  |  |             |                       | 6 |
| 02                             | TP1-4-6   | 7/12/24    | 0755 |               |                  |                                                                                                           |                                                                 | X                                                                                                                  |                                                                    | X                                                                                   |                                                                                  |                                                                               |            |  |  |             |                       | 6 |
| 03                             | TP2-2-4   | 7/12/24    | 0850 |               |                  | X                                                                                                         |                                                                 | X                                                                                                                  |                                                                    | X                                                                                   |                                                                                  | X                                                                             | X          |  |  |             |                       | 6 |
| 04                             | TP3-8-10  | 7/12/24    | 1000 |               |                  | X                                                                                                         |                                                                 | X                                                                                                                  |                                                                    | X                                                                                   |                                                                                  | X                                                                             | X          |  |  |             |                       | 6 |
| 05                             | TP4-6-8   | 7/12/24    | 1115 |               |                  | X                                                                                                         |                                                                 | X                                                                                                                  |                                                                    | X                                                                                   |                                                                                  |                                                                               |            |  |  |             |                       | 6 |
| 06                             | TP9-2-4   | 7/12/24    | 1445 |               |                  | X                                                                                                         |                                                                 | X                                                                                                                  |                                                                    | X                                                                                   |                                                                                  |                                                                               |            |  |  |             |                       | 6 |
| 07                             | TP12-2-4  | 7/11/24    | 1300 |               |                  | X                                                                                                         |                                                                 | X                                                                                                                  |                                                                    | X                                                                                   |                                                                                  | X                                                                             | X          |  |  |             |                       | 6 |
| 08                             | TP7-4-6   | 7/12/24    | 1210 |               |                  | X                                                                                                         |                                                                 | X                                                                                                                  |                                                                    | X                                                                                   |                                                                                  | X                                                                             | X          |  |  |             |                       | 6 |
| 09                             | TP8-0-2   | 7/12/24    | 1315 |               |                  | X                                                                                                         |                                                                 | X                                                                                                                  |                                                                    | X                                                                                   |                                                                                  | X                                                                             | X          |  |  |             |                       | 6 |

## Container Type

P= Plastic  
A= Amber glass  
V= Vial  
G= Glass  
B= Bacteria cup  
C= Cube  
O= Other  
E= Encore  
D= BOD Bottle

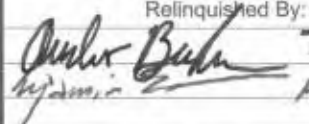
## Preservative

A= None  
B= HCl  
C= HNO<sub>3</sub>  
D= H<sub>2</sub>SO<sub>4</sub>  
E= NaOH  
F= MeOH  
G= NaHSO<sub>4</sub>  
H= Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>  
I= Ascorbic Acid  
J= NH<sub>4</sub>Cl  
K= Zn Acetate  
O= Other

## Container Type

## Preservative

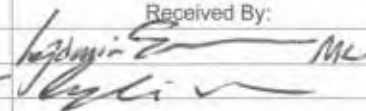
Relinquished By:



Date/Time

7/12/24 @ 1410  
7/12 18:25

Received By:



Date/Time

7/12 14:10  
7/12 13:25All samples submitted are subject to  
Alpha's Terms and Conditions.  
See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)

# Method Blank Summary

## Form 4

### Volatiles

|               |                       |                |                  |
|---------------|-----------------------|----------------|------------------|
| Client        | : HRP Associates, Inc | Lab Number     | : L2439378       |
| Project Name  | : TRURO DPW           | Project Number | : TRU250.P2      |
| Lab Sample ID | : WG1947586-5         | Lab File ID    | : V10240715A05   |
| Instrument ID | : VOA110              |                |                  |
| Matrix        | : SOIL                | Analysis Date  | : 07/15/24 11:10 |

| Client Sample No. | Lab Sample ID | Analysis Date  |
|-------------------|---------------|----------------|
| WG1947586-3LCS    | WG1947586-3   | 07/15/24 09:48 |
| WG1947586-4LCSD   | WG1947586-4   | 07/15/24 10:16 |
| TP8-0-2           | L2439378-09   | 07/15/24 11:37 |

## Method Blank Summary Form 4 Volatiles

Client : HRP Associates, Inc  
Project Name : TRURO DPW  
Lab Sample ID : WG1947626-5  
Instrument ID : VOA126  
Matrix : SLUDGE

Lab Number : L2439378  
Project Number : TRU250.P2  
Lab File ID : V26240715A05  
Analysis Date : 07/15/24 11:57

| Client Sample No. | Lab Sample ID | Analysis Date  |
|-------------------|---------------|----------------|
| WG1947626-3LCS    | WG1947626-3   | 07/15/24 09:18 |
| WG1947626-4LCSD   | WG1947626-4   | 07/15/24 09:58 |
| TP1-0-2           | L2439378-01   | 07/15/24 17:19 |
| TP2-2-4           | L2439378-03   | 07/15/24 17:59 |
| TP3-8-10          | L2439378-04   | 07/15/24 18:39 |
| TP4-6-8           | L2439378-05   | 07/15/24 19:19 |
| TP9-2-4           | L2439378-06   | 07/15/24 19:59 |
| TP12-2-4          | L2439378-07   | 07/15/24 20:39 |

# Method Blank Summary

## Form 4

### Volatiles

Client : HRP Associates, Inc  
Project Name : TRURO DPW  
Lab Sample ID : WG1947524-5  
Instrument ID : VOA123  
Matrix : SOIL

Lab Number : L2439378  
Project Number : TRU250.P2  
Lab File ID : V23240716A05  
Analysis Date : 07/16/24 08:29

| Client Sample No. | Lab Sample ID | Analysis Date  |
|-------------------|---------------|----------------|
| WG1947524-3LCS    | WG1947524-3   | 07/16/24 06:45 |
| WG1947524-4LCSD   | WG1947524-4   | 07/16/24 07:11 |
| TP7-4-6           | L2439378-08   | 07/16/24 10:13 |

# Calibration Verification Summary

## Form 7

### Volatiles

Client : HRP Associates, Inc  
 Project Name : TRURO DPW  
 Instrument ID : VOA126  
 Lab File ID : V26240715A01  
 Sample No : WG1947626-2  
 Channel :

Lab Number : L2439378  
 Project Number : TRU250.P2  
 Calibration Date : 07/15/24 09:18  
 Init. Calib. Date(s) : 02/20/24 02/21/24  
 Init. Calib. Times : 22:23 04:07

| Compound                 | Ave. RRF | RRF    | Min RRF | %D     | Max %D | Area% | Dev(min) |
|--------------------------|----------|--------|---------|--------|--------|-------|----------|
| Fluorobenzene            | 1        | 1      | -       | 0      | 20     | 63    | 0        |
| Dichlorodifluoromethane  | 0.313    | 0.333  | -       | -6.4   | 20     | 63    | 0        |
| Chloromethane            | 0.322    | 0.368  | -       | -14.3  | 20     | 71    | -.01     |
| Vinyl chloride           | 0.306    | 0.408  | -       | -33.3* | 20     | 77    | 0        |
| Bromomethane             | 0.204    | 0.2    | -       | 2      | 20     | 63    | 0        |
| Chloroethane             | 0.175    | 0.199  | -       | -13.7  | 20     | 68    | 0        |
| Trichlorofluoromethane   | 0.374    | 0.44   | -       | -17.6  | 20     | 69    | 0        |
| Ethyl ether              | 0.108    | 0.132  | -       | -22.2* | 20     | 75    | 0        |
| 1,1-Dichloroethene       | 0.237    | 0.246  | -       | -3.8   | 20     | 62    | 0        |
| Carbon disulfide         | 0.901    | 0.862  | -       | 4.3    | 20     | 62    | 0        |
| Freon-113                | 0.248    | 0.273  | -       | -10.1  | 20     | 65    | 0        |
| Acrolein                 | 0.024    | 0.033  | -       | -37.5* | 20     | 87    | 0        |
| Methylene chloride       | 0.261    | 0.279  | -       | -6.9   | 20     | 71    | 0        |
| Acetone                  | 40       | 50.125 | -       | -25.3* | 20     | 81    | 0        |
| trans-1,2-Dichloroethene | 0.267    | 0.282  | -       | -5.6   | 20     | 64    | 0        |
| Methyl acetate           | 0.11     | 0.138  | -       | -25.5* | 20     | 81    | 0        |
| Methyl tert-butyl ether  | 0.578    | 0.704  | -       | -21.8* | 20     | 75    | -.01     |
| tert-Butyl alcohol       | 0.018    | 0.019  | -       | -5.6   | 20     | 64    | -.01     |
| Diisopropyl ether        | 0.806    | 1.033  | -       | -28.2* | 20     | 78    | 0        |
| 1,1-Dichloroethane       | 0.458    | 0.498  | -       | -8.7   | 20     | 67    | 0        |
| Halothane                | 0.204    | 0.219  | -       | -7.4   | 20     | 63    | 0        |
| Acrylonitrile            | 0.053    | 0.07   | -       | -32.1* | 20     | 84    | 0        |
| Ethyl tert-butyl ether   | 0.709    | 0.8    | -       | -12.8  | 20     | 70    | -.01     |
| Vinyl acetate            | 0.368    | 0.442  | -       | -20.1* | 20     | 74    | -.01     |
| cis-1,2-Dichloroethene   | 0.286    | 0.3    | -       | -4.9   | 20     | 65    | 0        |
| 2,2-Dichloropropane      | 0.388    | 0.413  | -       | -6.4   | 20     | 65    | -.01     |
| Bromochloromethane       | 0.125    | 0.138  | -       | -10.4  | 20     | 68    | 0        |
| Cyclohexane              | 0.442    | 0.498  | -       | -12.7  | 20     | 69    | 0        |
| Chloroform               | 0.45     | 0.502  | -       | -11.6  | 20     | 69    | 0        |
| Ethyl acetate            | 0.157    | 0.198  | -       | -26.1* | 20     | 79    | -.01     |
| Carbon tetrachloride     | 0.365    | 0.391  | -       | -7.1   | 20     | 64    | 0        |
| Tetrahydrofuran          | 0.045    | 0.06   | -       | -33.3* | 20     | 88    | 0        |
| Dibromofluoromethane     | 0.238    | 0.256  | -       | -7.6   | 20     | 67    | 0        |
| 1,1,1-Trichloroethane    | 0.406    | 0.437  | -       | -7.6   | 20     | 64    | 0        |
| 2-Butanone               | 0.07     | 0.087  | -       | -24.3* | 20     | 80    | 0        |
| 1,1-Dichloropropene      | 0.354    | 0.373  | -       | -5.4   | 20     | 63    | 0        |
| Benzene                  | 0.977    | 1.094  | -       | -12    | 20     | 68    | 0        |
| tert-Amyl methyl ether   | 0.62     | 0.667  | -       | -7.6   | 20     | 67    | 0        |
| 1,2-Dichloroethane-d4    | 0.233    | 0.241  | -       | -3.4   | 20     | 67    | 0        |
| 1,2-Dichloroethane       | 0.304    | 0.329  | -       | -8.2   | 20     | 68    | 0        |
| Methyl cyclohexane       | 0.469    | 0.471  | -       | -0.4   | 20     | 64    | 0        |
| Trichloroethene          | 0.281    | 0.304  | -       | -8.2   | 20     | 66    | 0        |
| Dibromomethane           | 0.132    | 0.145  | -       | -9.8   | 20     | 69    | 0        |

\* Value outside of QC limits.



# Calibration Verification Summary

## Form 7

### Volatiles

Client : HRP Associates, Inc  
 Project Name : TRURO DPW  
 Instrument ID : VOA126  
 Lab File ID : V26240715A01  
 Sample No : WG1947626-2  
 Channel :

Lab Number : L2439378  
 Project Number : TRU250.P2  
 Calibration Date : 07/15/24 09:18  
 Init. Calib. Date(s) : 02/20/24 02/21/24  
 Init. Calib. Times : 22:23 04:07

| Compound                   | Ave. RRF | RRF      | Min RRF | %D     | Max %D | Area% | Dev(min) |
|----------------------------|----------|----------|---------|--------|--------|-------|----------|
| 1,2-Dichloropropane        | 0.247    | 0.276    | -       | -11.7  | 20     | 69    | 0        |
| 2-Chloroethyl vinyl ether  | 0.063    | 0.024    | -       | 61.9*  | 20     | 23    | 0        |
| Bromodichloromethane       | 0.327    | 0.368    | -       | -12.5  | 20     | 68    | 0        |
| 1,4-Dioxane                | 0.00163  | 0.00153* | -       | 6.1    | 20     | 61    | 0        |
| cis-1,3-Dichloropropene    | 0.373    | 0.414    | -       | -11    | 20     | 70    | 0        |
| Chlorobenzene-d5           | 1        | 1        | -       | 0      | 20     | 70    | 0        |
| Toluene-d8                 | 1.282    | 1.276    | -       | 0.5    | 20     | 70    | 0        |
| Toluene                    | 0.85     | 0.87     | -       | -2.4   | 20     | 68    | 0        |
| 4-Methyl-2-pentanone       | 0.079    | 0.085    | -       | -7.6   | 20     | 72    | 0        |
| Tetrachloroethene          | 0.392    | 0.375    | -       | 4.3    | 20     | 67    | 0        |
| trans-1,3-Dichloropropene  | 0.426    | 0.445    | -       | -4.5   | 20     | 71    | 0        |
| Ethyl methacrylate         | 0.298    | 0.339    | -       | -13.8  | 20     | 76    | 0        |
| 1,1,2-Trichloroethane      | 0.205    | 0.208    | -       | -1.5   | 20     | 71    | 0        |
| Chlorodibromomethane       | 0.3      | 0.309    | -       | -3     | 20     | 70    | 0        |
| 1,3-Dichloropropane        | 0.407    | 0.417    | -       | -2.5   | 20     | 70    | 0        |
| 1,2-Dibromoethane          | 0.235    | 0.243    | -       | -3.4   | 20     | 67    | 0        |
| 2-Hexanone                 | 0.149    | 0.18     | -       | -20.8* | 20     | 83    | 0        |
| Chlorobenzene              | 0.933    | 0.956    | -       | -2.5   | 20     | 70    | 0        |
| Ethylbenzene               | 1.595    | 1.663    | -       | -4.3   | 20     | 71    | 0        |
| 1,1,1,2-Tetrachloroethane  | 0.333    | 0.335    | -       | -0.6   | 20     | 68    | 0        |
| p/m Xylene                 | 0.625    | 0.648    | -       | -3.7   | 20     | 68    | 0        |
| o Xylene                   | 0.595    | 0.613    | -       | -3     | 20     | 69    | 0        |
| Styrene                    | 0.93     | 1.012    | -       | -8.8   | 20     | 69    | 0        |
| 1,4-Dichlorobenzene-d4     | 1        | 1        | -       | 0      | 20     | 69    | 0        |
| Bromoform                  | 0.337    | 0.328    | -       | 2.7    | 20     | 64    | 0        |
| Isopropylbenzene           | 3.239    | 3.259    | -       | -0.6   | 20     | 67    | 0        |
| 4-Bromofluorobenzene       | 0.873    | 0.883    | -       | -1.1   | 20     | 71    | 0        |
| Bromobenzene               | 0.767    | 0.762    | -       | 0.7    | 20     | 68    | 0        |
| n-Propylbenzene            | 3.801    | 3.858    | -       | -1.5   | 20     | 69    | 0        |
| 1,4-Dichlorobutane         | 0.728    | 0.869    | -       | -19.4  | 20     | 83    | 0        |
| 1,1,2,2-Tetrachloroethane  | 0.555    | 0.561    | -       | -1.1   | 20     | 69    | 0        |
| 4-Ethyltoluene             | 3.147    | 3.119    | -       | 0.9    | 20     | 68    | 0        |
| 2-Chlorotoluene            | 2.431    | 2.419    | -       | 0.5    | 20     | 68    | 0        |
| 1,3,5-Trimethylbenzene     | 2.704    | 2.694    | -       | 0.4    | 20     | 69    | 0        |
| 1,2,3-Trichloropropane     | 0.396    | 0.402    | -       | -1.5   | 20     | 71    | 0        |
| trans-1,4-Dichloro-2-buten | 0.175    | 0.219    | -       | -25.1* | 20     | 83    | 0        |
| 4-Chlorotoluene            | 2.23     | 2.186    | -       | 2      | 20     | 67    | 0        |
| tert-Butylbenzene          | 2.39     | 2.347    | -       | 1.8    | 20     | 67    | 0        |
| 1,2,4-Trimethylbenzene     | 2.587    | 2.601    | -       | -0.5   | 20     | 67    | 0        |
| sec-Butylbenzene           | 3.536    | 3.57     | -       | -1     | 20     | 69    | 0        |
| p-Isopropyltoluene         | 3.023    | 3.016    | -       | 0.2    | 20     | 68    | 0        |
| 1,3-Dichlorobenzene        | 1.487    | 1.478    | -       | 0.6    | 20     | 69    | 0        |
| 1,4-Dichlorobenzene        | 1.468    | 1.454    | -       | 1      | 20     | 70    | 0        |

\* Value outside of QC limits.





# Calibration Verification Summary

## Form 7

### Volatiles

Client : HRP Associates, Inc  
 Project Name : TRURO DPW  
 Instrument ID : VOA126  
 Lab File ID : V26240715A01  
 Sample No : WG1947626-2  
 Channel :

Lab Number : L2439378  
 Project Number : TRU250.P2  
 Calibration Date : 07/15/24 09:18  
 Init. Calib. Date(s) : 02/20/24 02/21/24  
 Init. Calib. Times : 22:23 04:07

| Compound                   | Ave. RRF | RRF    | Min RRF | %D     | Max %D | Area% | Dev(min) |
|----------------------------|----------|--------|---------|--------|--------|-------|----------|
| p-Diethylbenzene           | 1.855    | 1.803  | -       | 2.8    | 20     | 66    | 0        |
| n-Butylbenzene             | 3.205    | 3.274  | -       | -2.2   | 20     | 69    | 0        |
| 1,2-Dichlorobenzene        | 1.319    | 1.305  | -       | 1.1    | 20     | 67    | 0        |
| 1,2,4,5-Tetramethylbenzene | 2.514    | 2.519  | -       | -0.2   | 20     | 65    | 0        |
| 1,2-Dibromo-3-chloropropan | 0.075    | 0.078  | -       | -4     | 20     | 70    | 0        |
| 1,3,5-Trichlorobenzene     | 1.003    | 0.993  | -       | 1      | 20     | 70    | 0        |
| Hexachlorobutadiene        | 0.464    | 0.445  | -       | 4.1    | 20     | 66    | 0        |
| 1,2,4-Trichlorobenzene     | 40       | 41.093 | -       | -2.7   | 20     | 74    | 0        |
| Naphthalene                | 40       | 43.77  | -       | -9.4   | 20     | 76    | 0        |
| 1,2,3-Trichlorobenzene     | 40       | 48.631 | -       | -21.6* | 20     | 84    | 0        |

\* Value outside of QC limits.



# Calibration Verification Summary

## Form 7

### Volatiles

Client : HRP Associates, Inc  
 Project Name : TRURO DPW  
 Instrument ID : VOA110  
 Lab File ID : V10240715A02  
 Sample No : WG1947586-2  
 Channel :

Lab Number : L2439378  
 Project Number : TRU250.P2  
 Calibration Date : 07/15/24 09:48  
 Init. Calib. Date(s) : 05/15/24 05/16/24  
 Init. Calib. Times : 20:51 01:23

| Compound                 | Ave. RRF | RRF   | Min RRF | %D     | Max %D | Area% | Dev(min) |
|--------------------------|----------|-------|---------|--------|--------|-------|----------|
| Fluorobenzene            | 1        | 1     | -       | 0      | 20     | 70    | 0        |
| Dichlorodifluoromethane  | 0.285    | 0.29  | -       | -1.8   | 20     | 74    | 0        |
| Chloromethane            | 0.258    | 0.279 | -       | -8.1   | 20     | 83    | 0        |
| Vinyl chloride           | 0.314    | 0.345 | -       | -9.9   | 20     | 77    | 0        |
| Bromomethane             | 0.243    | 0.229 | -       | 5.8    | 20     | 75    | 0        |
| Chloroethane             | 0.242    | 0.267 | -       | -10.3  | 20     | 78    | 0        |
| Trichlorofluoromethane   | 0.544    | 0.571 | -       | -5     | 20     | 75    | 0        |
| Ethyl ether              | 0.2      | 0.232 | -       | -16    | 20     | 84    | 0        |
| 1,1-Dichloroethene       | 0.296    | 0.304 | -       | -2.7   | 20     | 75    | 0        |
| Carbon disulfide         | 1.008    | 1.048 | -       | -4     | 20     | 76    | 0        |
| Freon-113                | 0.317    | 0.325 | -       | -2.5   | 20     | 75    | 0        |
| Acrolein                 | 0.065    | 0.077 | -       | -18.5  | 20     | 82    | 0        |
| Methylene chloride       | 0.375    | 0.365 | -       | 2.7    | 20     | 74    | 0        |
| Acetone                  | 0.13     | 0.133 | -       | -2.3   | 20     | 72    | -.01     |
| trans-1,2-Dichloroethene | 0.297    | 0.307 | -       | -3.4   | 20     | 65    | -.01     |
| Methyl acetate           | 0.256    | 0.254 | -       | 0.8    | 20     | 59    | 0        |
| Methyl tert-butyl ether  | 0.833    | 0.878 | -       | -5.4   | 20     | 83    | 0        |
| tert-Butyl alcohol       | 0.041    | 0.044 | -       | -7.3   | 20     | 74    | 0        |
| Diisopropyl ether        | 0.751    | 0.91  | -       | -21.2* | 20     | 85    | 0        |
| 1,1-Dichloroethane       | 0.406    | 0.478 | -       | -17.7  | 20     | 85    | 0        |
| Halothane                | 0.171    | 0.176 | -       | -2.9   | 20     | 77    | -.01     |
| Acrylonitrile            | 0.084    | 0.105 | -       | -25*   | 20     | 88    | 0        |
| Ethyl tert-butyl ether   | 0.724    | 0.821 | -       | -13.4  | 20     | 79    | 0        |
| Vinyl acetate            | 0.563    | 0.751 | -       | -33.4* | 20     | 94    | 0        |
| cis-1,2-Dichloroethene   | 0.248    | 0.269 | -       | -8.5   | 20     | 77    | 0        |
| 2,2-Dichloropropane      | 0.334    | 0.395 | -       | -18.3  | 20     | 87    | 0        |
| Bromochloromethane       | 0.128    | 0.128 | -       | 0      | 20     | 73    | 0        |
| Cyclohexane              | 0.357    | 0.417 | -       | -16.8  | 20     | 84    | 0        |
| Chloroform               | 0.399    | 0.457 | -       | -14.5  | 20     | 82    | 0        |
| Ethyl acetate            | 0.305    | 0.334 | -       | -9.5   | 20     | 82    | 0        |
| Carbon tetrachloride     | 0.321    | 0.336 | -       | -4.7   | 20     | 75    | 0        |
| Tetrahydrofuran          | 0.094    | 0.111 | -       | -18.1  | 20     | 89    | 0        |
| Dibromofluoromethane     | 0.262    | 0.254 | -       | 3.1    | 20     | 68    | 0        |
| 1,1,1-Trichloroethane    | 0.343    | 0.398 | -       | -16    | 20     | 81    | 0        |
| 2-Butanone               | 0.136    | 0.145 | -       | -6.6   | 20     | 78    | 0        |
| 1,1-Dichloropropene      | 0.299    | 0.341 | -       | -14    | 20     | 81    | 0        |
| Benzene                  | 0.873    | 0.996 | -       | -14.1  | 20     | 80    | 0        |
| tert-Amyl methyl ether   | 0.695    | 0.755 | -       | -8.6   | 20     | 75    | 0        |
| 1,2-Dichloroethane-d4    | 0.286    | 0.311 | -       | -8.7   | 20     | 76    | 0        |
| 1,2-Dichloroethane       | 0.313    | 0.356 | -       | -13.7  | 20     | 81    | 0        |
| Methyl cyclohexane       | 0.397    | 0.432 | -       | -8.8   | 20     | 78    | 0        |
| Trichloroethene          | 0.233    | 0.263 | -       | -12.9  | 20     | 78    | 0        |
| Dibromomethane           | 0.153    | 0.16  | -       | -4.6   | 20     | 72    | 0        |

\* Value outside of QC limits.



# Calibration Verification Summary

## Form 7

### Volatiles

Client : HRP Associates, Inc  
 Project Name : TRURO DPW  
 Instrument ID : VOA110  
 Lab File ID : V10240715A02  
 Sample No : WG1947586-2  
 Channel :

Lab Number : L2439378  
 Project Number : TRU250.P2  
 Calibration Date : 07/15/24 09:48  
 Init. Calib. Date(s) : 05/15/24 05/16/24  
 Init. Calib. Times : 20:51 01:23

| Compound                   | Ave. RRF | RRF      | Min RRF | %D     | Max %D | Area% | Dev(min) |
|----------------------------|----------|----------|---------|--------|--------|-------|----------|
| 1,2-Dichloropropane        | 0.229    | 0.262    | -       | -14.4  | 20     | 80    | 0        |
| 2-Chloroethyl vinyl ether  | 0.144    | 0.029    | -       | 79.9*  | 20     | 13    | 0        |
| Bromodichloromethane       | 0.317    | 0.341    | -       | -7.6   | 20     | 74    | -.01     |
| 1,4-Dioxane                | 0.00315  | 0.00309* | -       | 1.9    | 20     | 65    | 0        |
| cis-1,3-Dichloropropene    | 0.375    | 0.416    | -       | -10.9  | 20     | 77    | 0        |
| Chlorobenzene-d5           | 1        | 1        | -       | 0      | 20     | 66    | 0        |
| Toluene-d8                 | 1.236    | 1.287    | -       | -4.1   | 20     | 68    | 0        |
| Toluene                    | 0.719    | 0.802    | -       | -11.5  | 20     | 75    | 0        |
| 4-Methyl-2-pentanone       | 0.116    | 0.127    | -       | -9.5   | 20     | 71    | 0        |
| Tetrachloroethene          | 0.295    | 0.311    | -       | -5.4   | 20     | 68    | 0        |
| trans-1,3-Dichloropropene  | 0.426    | 0.535    | -       | -25.6* | 20     | 79    | 0        |
| Ethyl methacrylate         | 0.341    | 0.445    | -       | -30.5* | 20     | 82    | 0        |
| 1,1,2-Trichloroethane      | 0.209    | 0.246    | -       | -17.7  | 20     | 77    | 0        |
| Chlorodibromomethane       | 0.296    | 0.305    | -       | -3     | 20     | 64    | 0        |
| 1,3-Dichloropropane        | 0.432    | 0.518    | -       | -19.9  | 20     | 77    | 0        |
| 1,2-Dibromoethane          | 0.265    | 0.283    | -       | -6.8   | 20     | 68    | 0        |
| 2-Hexanone                 | 0.229    | 0.262    | -       | -14.4  | 20     | 73    | 0        |
| Chlorobenzene              | 0.814    | 0.898    | -       | -10.3  | 20     | 71    | 0        |
| Ethylbenzene               | 1.336    | 1.582    | -       | -18.4  | 20     | 78    | 0        |
| 1,1,1,2-Tetrachloroethane  | 0.291    | 0.31     | -       | -6.5   | 20     | 67    | 0        |
| p/m Xylene                 | 0.533    | 0.606    | -       | -13.7  | 20     | 74    | 0        |
| o Xylene                   | 0.525    | 0.572    | -       | -9     | 20     | 71    | 0        |
| Styrene                    | 0.896    | 1.019    | -       | -13.7  | 20     | 72    | 0        |
| 1,4-Dichlorobenzene-d4     | 1        | 1        | -       | 0      | 20     | 64    | 0        |
| Bromoform                  | 0.379    | 0.355    | -       | 6.3    | 20     | 60    | 0        |
| Isopropylbenzene           | 2.448    | 2.838    | -       | -15.9  | 20     | 75    | 0        |
| 4-Bromofluorobenzene       | 0.812    | 0.846    | -       | -4.2   | 20     | 66    | 0        |
| Bromobenzene               | 0.656    | 0.693    | -       | -5.6   | 20     | 67    | 0        |
| n-Propylbenzene            | 2.801    | 3.46     | -       | -23.5* | 20     | 79    | 0        |
| 1,4-Dichlorobutane         | 0.747    | 1.004    | -       | -34.4* | 20     | 88    | 0        |
| 1,1,2,2-Tetrachloroethane  | 0.634    | 0.737    | -       | -16.2  | 20     | 72    | 0        |
| 4-Ethyltoluene             | 2.377    | 2.803    | -       | -17.9  | 20     | 76    | 0        |
| 2-Chlorotoluene            | 1.612    | 1.934    | -       | -20    | 20     | 76    | 0        |
| 1,3,5-Trimethylbenzene     | 2.142    | 2.501    | -       | -16.8  | 20     | 75    | 0        |
| 1,2,3-Trichloropropane     | 0.558    | 0.633    | -       | -13.4  | 20     | 74    | 0        |
| trans-1,4-Dichloro-2-buten | 0.196    | 0.294    | -       | -50*   | 20     | 95    | 0        |
| 4-Chlorotoluene            | 1.7      | 2.034    | -       | -19.6  | 20     | 77    | 0        |
| tert-Butylbenzene          | 1.875    | 2.075    | -       | -10.7  | 20     | 70    | 0        |
| 1,2,4-Trimethylbenzene     | 2.096    | 2.442    | -       | -16.5  | 20     | 73    | 0        |
| sec-Butylbenzene           | 2.748    | 3.207    | -       | -16.7  | 20     | 74    | 0        |
| p-Isopropyltoluene         | 2.42     | 2.789    | -       | -15.2  | 20     | 73    | 0        |
| 1,3-Dichlorobenzene        | 1.238    | 1.398    | -       | -12.9  | 20     | 70    | 0        |
| 1,4-Dichlorobenzene        | 1.274    | 1.417    | -       | -11.2  | 20     | 71    | 0        |

\* Value outside of QC limits.



# Calibration Verification Summary

## Form 7

### Volatiles

Client : HRP Associates, Inc  
 Project Name : TRURO DPW  
 Instrument ID : VOA110  
 Lab File ID : V10240715A02  
 Sample No : WG1947586-2  
 Channel :

Lab Number : L2439378  
 Project Number : TRU250.P2  
 Calibration Date : 07/15/24 09:48  
 Init. Calib. Date(s) : 05/15/24 05/16/24  
 Init. Calib. Times : 20:51 01:23

| Compound                   | Ave. RRF | RRF   | Min RRF | %D     | Max %D | Area% | Dev(min) |
|----------------------------|----------|-------|---------|--------|--------|-------|----------|
| p-Diethylbenzene           | 1.403    | 1.66  | -       | -18.3  | 20     | 73    | 0        |
| n-Butylbenzene             | 2.033    | 2.589 | -       | -27.3* | 20     | 80    | 0        |
| 1,2-Dichlorobenzene        | 1.214    | 1.342 | -       | -10.5  | 20     | 69    | 0        |
| 1,2,4,5-Tetramethylbenzene | 2.26     | 2.513 | -       | -11.2  | 20     | 70    | 0        |
| 1,2-Dibromo-3-chloropropan | 0.13     | 0.122 | -       | 6.2    | 20     | 56    | 0        |
| 1,3,5-Trichlorobenzene     | 0.932    | 1     | -       | -7.3   | 20     | 69    | 0        |
| Hexachlorobutadiene        | 0.456    | 0.431 | -       | 5.5    | 20     | 60    | 0        |
| 1,2,4-Trichlorobenzene     | 0.851    | 0.899 | -       | -5.6   | 20     | 66    | 0        |
| Naphthalene                | 2.401    | 2.554 | -       | -6.4   | 20     | 66    | 0        |
| 1,2,3-Trichlorobenzene     | 0.849    | 0.863 | -       | -1.6   | 20     | 65    | 0        |

\* Value outside of QC limits.



# Calibration Verification Summary

## Form 7

### Volatiles

Client : HRP Associates, Inc  
 Project Name : TRURO DPW  
 Instrument ID : VOA123  
 Lab File ID : V23240716A01  
 Sample No : WG1947524-2  
 Channel :

Lab Number : L2439378  
 Project Number : TRU250.P2  
 Calibration Date : 07/16/24 06:45  
 Init. Calib. Date(s) : 06/13/24 06/14/24  
 Init. Calib. Times : 22:10 02:29

| Compound                 | Ave. RRF | RRF    | Min RRF | %D     | Max %D | Area% | Dev(min) |
|--------------------------|----------|--------|---------|--------|--------|-------|----------|
| Fluorobenzene            | 1        | 1      | -       | 0      | 20     | 72    | 0        |
| Dichlorodifluoromethane  | 0.276    | 0.322  | -       | -16.7  | 20     | 83    | 0        |
| Chloromethane            | 0.373    | 0.426  | -       | -14.2  | 20     | 85    | 0        |
| Vinyl chloride           | 0.326    | 0.362  | -       | -11    | 20     | 79    | 0        |
| Bromomethane             | 0.149    | 0.161  | -       | -8.1   | 20     | 80    | 0        |
| Chloroethane             | 0.185    | 0.152  | -       | 17.8   | 20     | 60    | 0        |
| Trichlorofluoromethane   | 0.349    | 0.375  | -       | -7.4   | 20     | 76    | 0        |
| Ethyl ether              | 0.128    | 0.149  | -       | -16.4  | 20     | 87    | 0        |
| 1,1-Dichloroethene       | 0.245    | 0.263  | -       | -7.3   | 20     | 76    | 0        |
| Carbon disulfide         | 0.879    | 0.913  | -       | -3.9   | 20     | 77    | 0        |
| Freon-113                | 0.252    | 0.291  | -       | -15.5  | 20     | 80    | 0        |
| Acrolein                 | 0.032    | 0.053  | -       | -65.6* | 20     | 121   | 0        |
| Methylene chloride       | 40       | 44.295 | -       | -10.7  | 20     | 79    | 0        |
| Acetone                  | 40       | 42.495 | -       | -6.2   | 20     | 79    | 0        |
| trans-1,2-Dichloroethene | 0.284    | 0.299  | -       | -5.3   | 20     | 76    | 0        |
| Methyl acetate           | 0.159    | 0.165  | -       | -3.8   | 20     | 80    | 0        |
| Methyl tert-butyl ether  | 0.686    | 0.78   | -       | -13.7  | 20     | 85    | 0        |
| tert-Butyl alcohol       | 0.027    | 0.026  | -       | 3.7    | 20     | 73    | 0        |
| Diisopropyl ether        | 1.079    | 1.136  | -       | -5.3   | 20     | 77    | 0        |
| 1,1-Dichloroethane       | 0.554    | 0.598  | -       | -7.9   | 20     | 79    | 0        |
| Halothane                | 0.22     | 0.235  | -       | -6.8   | 20     | 77    | 0        |
| Acrylonitrile            | 0.075    | 0.086  | -       | -14.7  | 20     | 84    | 0        |
| Ethyl tert-butyl ether   | 0.982    | 1.014  | -       | -3.3   | 20     | 76    | 0        |
| Vinyl acetate            | 0.474    | 0.674  | -       | -42.2* | 20     | 112   | 0        |
| cis-1,2-Dichloroethene   | 0.32     | 0.325  | -       | -1.6   | 20     | 75    | 0        |
| 2,2-Dichloropropane      | 0.404    | 0.447  | -       | -10.6  | 20     | 80    | 0        |
| Bromochloromethane       | 0.154    | 0.161  | -       | -4.5   | 20     | 77    | 0        |
| Cyclohexane              | 0.554    | 0.603  | -       | -8.8   | 20     | 77    | 0        |
| Chloroform               | 0.491    | 0.522  | -       | -6.3   | 20     | 78    | 0        |
| Ethyl acetate            | 0.236    | 0.251  | -       | -6.4   | 20     | 80    | 0        |
| Carbon tetrachloride     | 0.391    | 0.435  | -       | -11.3  | 20     | 79    | 0        |
| Tetrahydrofuran          | 40       | 48.16  | -       | -20.4* | 20     | 90    | 0        |
| Dibromofluoromethane     | 0.254    | 0.266  | -       | -4.7   | 20     | 75    | 0        |
| 1,1,1-Trichloroethane    | 0.408    | 0.474  | -       | -16.2  | 20     | 81    | 0        |
| 2-Butanone               | 0.103    | 0.097  | -       | 5.8    | 20     | 72    | 0        |
| 1,1-Dichloropropene      | 0.339    | 0.387  | -       | -14.2  | 20     | 78    | 0        |
| Benzene                  | 1.082    | 1.131  | -       | -4.5   | 20     | 76    | 0        |
| tert-Amyl methyl ether   | 0.732    | 0.721  | -       | 1.5    | 20     | 73    | 0        |
| 1,2-Dichloroethane-d4    | 0.23     | 0.26   | -       | -13    | 20     | 82    | 0        |
| 1,2-Dichloroethane       | 0.356    | 0.397  | -       | -11.5  | 20     | 83    | 0        |
| Methyl cyclohexane       | 0.468    | 0.491  | -       | -4.9   | 20     | 74    | 0        |
| Trichloroethene          | 0.303    | 0.327  | -       | -7.9   | 20     | 76    | 0        |
| Dibromomethane           | 0.164    | 0.168  | -       | -2.4   | 20     | 77    | 0        |

\* Value outside of QC limits.



# Calibration Verification Summary

## Form 7

### Volatiles

Client : HRP Associates, Inc  
 Project Name : TRURO DPW  
 Instrument ID : VOA123  
 Lab File ID : V23240716A01  
 Sample No : WG1947524-2  
 Channel :

Lab Number : L2439378  
 Project Number : TRU250.P2  
 Calibration Date : 07/16/24 06:45  
 Init. Calib. Date(s) : 06/13/24 06/14/24  
 Init. Calib. Times : 22:10 02:29

| Compound                   | Ave. RRF | RRF      | Min RRF | %D    | Max %D | Area% | Dev(min) |
|----------------------------|----------|----------|---------|-------|--------|-------|----------|
| 1,2-Dichloropropane        | 0.321    | 0.327    | -       | -1.9  | 20     | 75    | 0        |
| 2-Chloroethyl vinyl ether  | 0.164    | 0.167    | -       | -1.8  | 20     | 75    | 0        |
| Bromodichloromethane       | 0.387    | 0.41     | -       | -5.9  | 20     | 78    | 0        |
| 1,4-Dioxane                | 0.00212  | 0.00189* | -       | 10.8  | 20     | 59    | 0        |
| cis-1,3-Dichloropropene    | 0.442    | 0.462    | -       | -4.5  | 20     | 75    | 0        |
| Chlorobenzene-d5           | 1        | 1        | -       | 0     | 20     | 73    | 0        |
| Toluene-d8                 | 1.251    | 1.264    | -       | -1    | 20     | 74    | 0        |
| Toluene                    | 40       | 42.802   | -       | -7    | 20     | 74    | 0        |
| 4-Methyl-2-pentanone       | 0.111    | 0.111    | -       | 0     | 20     | 73    | 0        |
| Tetrachloroethene          | 0.386    | 0.431    | -       | -11.7 | 20     | 78    | 0        |
| trans-1,3-Dichloropropene  | 0.484    | 0.507    | -       | -4.8  | 20     | 76    | 0        |
| Ethyl methacrylate         | 0.317    | 0.367    | -       | -15.8 | 20     | 80    | 0        |
| 1,1,2-Trichloroethane      | 0.244    | 0.247    | -       | -1.2  | 20     | 76    | 0        |
| Chlorodibromomethane       | 0.394    | 0.412    | -       | -4.6  | 20     | 77    | 0        |
| 1,3-Dichloropropane        | 0.478    | 0.486    | -       | -1.7  | 20     | 76    | 0        |
| 1,2-Dibromoethane          | 0.288    | 0.302    | -       | -4.9  | 20     | 76    | 0        |
| 2-Hexanone                 | 0.173    | 0.176    | -       | -1.7  | 20     | 71    | 0        |
| Chlorobenzene              | 1.035    | 1.072    | -       | -3.6  | 20     | 76    | 0        |
| Ethylbenzene               | 1.732    | 1.783    | -       | -2.9  | 20     | 76    | 0        |
| 1,1,1,2-Tetrachloroethane  | 0.387    | 0.408    | -       | -5.4  | 20     | 76    | 0        |
| p/m Xylene                 | 0.676    | 0.704    | -       | -4.1  | 20     | 76    | 0        |
| o Xylene                   | 0.656    | 0.673    | -       | -2.6  | 20     | 75    | 0        |
| Styrene                    | 1.041    | 1.123    | -       | -7.9  | 20     | 76    | 0        |
| 1,4-Dichlorobenzene-d4     | 1        | 1        | -       | 0     | 20     | 74    | 0        |
| Bromoform                  | 0.447    | 0.462    | -       | -3.4  | 20     | 78    | 0        |
| Isopropylbenzene           | 3.286    | 3.383    | -       | -3    | 20     | 76    | 0        |
| 4-Bromofluorobenzene       | 0.891    | 0.852    | -       | 4.4   | 20     | 72    | 0        |
| Bromobenzene               | 0.885    | 0.867    | -       | 2     | 20     | 76    | 0        |
| n-Propylbenzene            | 3.768    | 3.992    | -       | -5.9  | 20     | 79    | .01      |
| 1,4-Dichlorobutane         | 1.043    | 1.181    | -       | -13.2 | 20     | 89    | 0        |
| 1,1,2,2-Tetrachloroethane  | 0.661    | 0.672    | -       | -1.7  | 20     | 82    | 0        |
| 4-Ethyltoluene             | 3.203    | 3.345    | -       | -4.4  | 20     | 79    | 0        |
| 2-Chlorotoluene            | 2.28     | 2.384    | -       | -4.6  | 20     | 78    | 0        |
| 1,3,5-Trimethylbenzene     | 2.803    | 2.882    | -       | -2.8  | 20     | 77    | 0        |
| 1,2,3-Trichloropropane     | 0.496    | 0.506    | -       | -2    | 20     | 80    | 0        |
| trans-1,4-Dichloro-2-buten | 0.204    | 0.242    | -       | -18.6 | 20     | 91    | 0        |
| 4-Chlorotoluene            | 2.289    | 2.396    | -       | -4.7  | 20     | 79    | 0        |
| tert-Butylbenzene          | 2.463    | 2.513    | -       | -2    | 20     | 76    | 0        |
| 1,2,4-Trimethylbenzene     | 2.813    | 2.85     | -       | -1.3  | 20     | 77    | 0        |
| sec-Butylbenzene           | 3.546    | 3.757    | -       | -6    | 20     | 78    | 0        |
| p-Isopropyltoluene         | 3.134    | 3.298    | -       | -5.2  | 20     | 77    | 0        |
| 1,3-Dichlorobenzene        | 1.616    | 1.706    | -       | -5.6  | 20     | 80    | 0        |
| 1,4-Dichlorobenzene        | 1.653    | 1.703    | -       | -3    | 20     | 80    | 0        |

\* Value outside of QC limits.



# Calibration Verification Summary

## Form 7

### Volatiles

Client : HRP Associates, Inc  
 Project Name : TRURO DPW  
 Instrument ID : VOA123  
 Lab File ID : V23240716A01  
 Sample No : WG1947524-2  
 Channel :

Lab Number : L2439378  
 Project Number : TRU250.P2  
 Calibration Date : 07/16/24 06:45  
 Init. Calib. Date(s) : 06/13/24 06/14/24  
 Init. Calib. Times : 22:10 02:29

| Compound                   | Ave. RRF | RRF   | Min RRF | %D    | Max %D | Area% | Dev(min) |
|----------------------------|----------|-------|---------|-------|--------|-------|----------|
| p-Diethylbenzene           | 1.829    | 1.965 | -       | -7.4  | 20     | 80    | 0        |
| n-Butylbenzene             | 2.547    | 2.878 | -       | -13   | 20     | 82    | 0        |
| 1,2-Dichlorobenzene        | 1.533    | 1.571 | -       | -2.5  | 20     | 77    | 0        |
| 1,2,4,5-Tetramethylbenzene | 2.942    | 3.032 | -       | -3.1  | 20     | 77    | 0        |
| 1,2-Dibromo-3-chloropropan | 0.115    | 0.112 | -       | 2.6   | 20     | 73    | .01      |
| 1,3,5-Trichlorobenzene     | 1.176    | 1.306 | -       | -11.1 | 20     | 82    | .01      |
| Hexachlorobutadiene        | 0.581    | 0.608 | -       | -4.6  | 20     | 77    | .01      |
| 1,2,4-Trichlorobenzene     | 1.046    | 1.126 | -       | -7.6  | 20     | 81    | .01      |
| Naphthalene                | 2.251    | 2.199 | -       | 2.3   | 20     | 75    | .01      |
| 1,2,3-Trichlorobenzene     | 0.935    | 0.973 | -       | -4.1  | 20     | 79    | 0        |

\* Value outside of QC limits.



# Performance Evaluation Mixture Summary

## Form 15

### Pesticides

Client : HRP Associates, Inc  
 Project Name : TRURO DPW  
 Instrument ID : PEST20  
 PEM Standard : R1853906-1  
 Column 1 : RTX-5

Lab Number : L2439378  
 Project Number : TRU250.P2  
 Analysis Date : 07/17/24 13:51  
 Column 2 : RTX-CLPPesticides2

| Parameter       | Signal 1        | Signal 2        |
|-----------------|-----------------|-----------------|
| 4,4'-DDE        | 0               | 814980.13933    |
| Endrin          | 132887732.00001 | 228712790.68778 |
| 4,4'-DDD        | 320830.2899     | 1504410.33182   |
| 4,4'-DDT        | 248357097.74959 | 417958866.2377  |
| Endrin Aldehyde | 1574687.10329   | 3855318.81445   |
| Endrin Ketone   | 4912708.79369   | 7791795.30635   |

| Parameter | %Breakdown 1 | %Breakdown 2 |
|-----------|--------------|--------------|
| Endrin    | 4.65         | 4.84         |
| DDT       | 0.129        | 0.552        |



# Performance Evaluation Mixture Summary

## Form 15

### Pesticides

Client : HRP Associates, Inc  
 Project Name : TRURO DPW  
 Instrument ID : PEST18  
 PEM Standard : R1854476-1  
 Column 1 : RTX-5

Lab Number : L2439378  
 Project Number : TRU250.P2  
 Analysis Date : 07/18/24 17:50  
 Column 2 : RTX-CLPPesticides2

| Parameter       | Signal 1        | Signal 2        |
|-----------------|-----------------|-----------------|
| 4,4'-DDE        | 2585144.57963   | 1045982.42429   |
| Endrin          | 1194744793.2638 | 590415915.57219 |
| 4,4'-DDD        | 9128303.83361   | 4367063.80006   |
| 4,4'-DDT        | 1936887339.6797 | 1056761432.4488 |
| Endrin Aldehyde | 4840840.11013   | 1843958.19558   |
| Endrin Ketone   | 15463324.97328  | 7093593.3633    |

| Parameter | %Breakdown 1 | %Breakdown 2 |
|-----------|--------------|--------------|
| Endrin    | 1.67         | 1.49         |
| DDT       | 0.601        | 0.510        |



## ANALYTICAL REPORT

|                 |                                                              |
|-----------------|--------------------------------------------------------------|
| Lab Number:     | L2439394                                                     |
| Client:         | HRP Associates, Inc<br>13 Court Street<br>Plymouth, MA 02360 |
| ATTN:           | Bryan Massa                                                  |
| Phone:          | (781) 210-9840                                               |
| Project Name:   | TRURO DPW                                                    |
| Project Number: | TRU250.P2                                                    |
| Report Date:    | 07/26/24                                                     |

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

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

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Eight Walkup Drive, Westborough, MA 01581-1019  
508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439394  
**Report Date:** 07/26/24

| <b>Alpha<br/>Sample ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Sample<br/>Location</b> | <b>Collection<br/>Date/Time</b> | <b>Receive Date</b> |
|----------------------------|------------------|---------------|----------------------------|---------------------------------|---------------------|
| L2439394-01                | TP5-4-6-N        | SOIL          | TRURO, MA                  | 07/12/24 08:15                  | 07/12/24            |
| L2439394-02                | TP5-6-8-W        | SOIL          | TRURO, MA                  | 07/12/24 08:15                  | 07/12/24            |
| L2439394-03                | TP5-6-8S         | SOIL          | TRURO, MA                  | 07/11/24 12:30                  | 07/12/24            |

Project Name: TRURO DPW

Lab Number: L2439394

Project Number: TRU250.P2

Report Date: 07/26/24

**MADEP MCP Response Action Analytical Report Certification**

**This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.**

|                                                                                                              |                                                                                                                                                                                                                             |     |
|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| <b>An affirmative response to questions A through F is required for "Presumptive Certainty" status</b>       |                                                                                                                                                                                                                             |     |
| A                                                                                                            | Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times? | YES |
| B                                                                                                            | Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?                                                                                                        | YES |
| C                                                                                                            | Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?                                        | YES |
| D                                                                                                            | Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"                      | YES |
| E a.                                                                                                         | VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).                                                 | YES |
| E b.                                                                                                         | APH and TO-15 Methods only: Was the complete analyte list reported for each method?                                                                                                                                         | N/A |
| F                                                                                                            | Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?                                   | YES |
| <b>A response to questions G, H and I is required for "Presumptive Certainty" status</b>                     |                                                                                                                                                                                                                             |     |
| G                                                                                                            | Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?                                                                                                                   | YES |
| H                                                                                                            | Were all QC performance standards specified in the CAM protocol(s) achieved?                                                                                                                                                | NO  |
| I                                                                                                            | Were results reported for the complete analyte list specified in the selected CAM protocol(s)?                                                                                                                              | NO  |
| <b>For any questions answered "No", please refer to the case narrative section on the following page(s).</b> |                                                                                                                                                                                                                             |     |

**Please note that sample matrix information is located in the Sample Results section of this report.**



**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439394  
**Report Date:** 07/26/24

### 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 Alpha 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, Alpha'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 Alpha Project Manager and made arrangements for Alpha 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:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439394  
**Report Date:** 07/26/24

### Case Narrative (continued)

#### Report Submission

July 26, 2024: This final report includes the results of all requested analyses.

July 19, 2024: This is a preliminary report.

#### MCP Related Narratives

##### Sample Receipt

L2439394-03: At the client's request, the Semivolatile Organics analysis was performed.

In reference to question H:

A Matrix Spike was not submitted for the analysis of Total Metals.

#### Volatile Organics

L2439394-03: The sample was analyzed as a High Level Methanol in order to quantitate results within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial Low Level analysis. The results of both analyses are reported.

Differences were noted between the results of the analyses which have been attributed to vial discrepancies.

L2439394-03 (High Level): Initial calibration utilized a quadratic fit for: 1,2,4-trichlorobenzene, naphthalene, 1,2,3-trichlorobenzene

In reference to question H:

The WG1947586-5 Method Blank, associated with L2439394-01, -02, and -03 (Low Level), has a concentration above the reporting limit for chloroform. Since the associated sample concentrations are either greater than 10x the blank concentration or non-detect to the RL for this target analyte, no corrective action is required. Any results detected below the reporting limit are qualified with a "B".

L2439394-01, -02, and -03 (Low Level): Initial Calibration did not meet:

Lowest Calibration Standard Minimum Response Factor: trichloroethene (0.1911), 1,4-dioxane (0.0026)

Average Response Factor: 1,4-dioxane

Verification: carbon disulfide (66%)

L2439394-03 (High Level): Initial Calibration did not meet:

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439394  
**Report Date:** 07/26/24

### Case Narrative (continued)

Lowest Calibration Standard Minimum Response Factor: bromodichloromethane (0.2987), 1,4-dioxane (0.0016), 1,1,2-trichloroethane (0.1895)

Average Response Factor: 1,4-dioxane

Verification: dichlorodifluoromethane (64%), carbon disulfide (66%)

L2439394-01, -02, -03 (Low Level), and -03 (High Level): The associated continuing calibration standard is outside the acceptance criteria for several compounds; however, it is within overall method allowances.

Associated results are considered to be biased high if the %D is negative and biased low if the %D is positive.

A copy of the continuing calibration standard is included as an addendum to this report.

VPH

In reference to question I:

All samples were analyzed for a subset of MCP analytes per client request.

Total Metals

L2439394-01 through -03: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

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:

*Melissa Sturgis* Melissa Sturgis

Title: Technical Director/Representative

Date: 07/26/24

## QC OUTLIER SUMMARY REPORT

**Project Name:** TRURO DPW

**Project Number:** TRU250.P2

**Lab Number:** L2439394

**Report Date:** 07/26/24

| Method                                                   | Client ID (Native ID) | Lab ID      | Parameter                   | QC Type | Recovery/RPD (%) | QC Limits (%) | Associated Samples | Data Quality Assessment |
|----------------------------------------------------------|-----------------------|-------------|-----------------------------|---------|------------------|---------------|--------------------|-------------------------|
| MCP Volatile Organics by EPA 5035 High - Westborough Lab |                       |             |                             |         |                  |               |                    |                         |
| 8260D                                                    | Batch QC              | WG1948013-3 | Acetone                     | LCS     | 149              | 70-130        | 03                 | potential high bias     |
| 8260D                                                    | Batch QC              | WG1948013-3 | Methyl ethyl ketone         | LCS     | 144              | 70-130        | 03                 | potential high bias     |
| 8260D                                                    | Batch QC              | WG1948013-3 | 2-Hexanone                  | LCS     | 135              | 70-130        | 03                 | potential high bias     |
| 8260D                                                    | Batch QC              | WG1948013-3 | Tetrahydrofuran             | LCS     | 152              | 70-130        | 03                 | potential high bias     |
| 8260D                                                    | Batch QC              | WG1948013-4 | Acetone                     | LCSD    | 154              | 70-130        | 03                 | potential high bias     |
| 8260D                                                    | Batch QC              | WG1948013-4 | Methyl ethyl ketone         | LCSD    | 149              | 70-130        | 03                 | potential high bias     |
| 8260D                                                    | Batch QC              | WG1948013-4 | 2-Hexanone                  | LCSD    | 140              | 70-130        | 03                 | potential high bias     |
| 8260D                                                    | Batch QC              | WG1948013-4 | Tetrahydrofuran             | LCSD    | 156              | 70-130        | 03                 | potential high bias     |
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab  |                       |             |                             |         |                  |               |                    |                         |
| 8260D                                                    | Batch QC              | WG1947586-4 | Methyl tert butyl ether     | LCSD    | 29               | 20            | 01-03              | non-directional bias    |
| 8260D                                                    | Batch QC              | WG1947586-4 | Methyl tert butyl ether     | LCSD    | 140              | 70-130        | 01-03              | potential high bias     |
| MCP Semivolatile Organics - Westborough Lab              |                       |             |                             |         |                  |               |                    |                         |
| 8270E                                                    | Batch QC              | WG1949828-2 | Bis(2-chloroisopropyl)ether | LCS     | 30               | 40-140        | 01,03              | potential low bias      |
| 8270E                                                    | Batch QC              | WG1949828-2 | 2,4-Dinitrophenol           | LCS     | 10               | 30-130        | 01,03              | potential low bias      |
| 8270E                                                    | Batch QC              | WG1949828-3 | 2,6-Dinitrotoluene          | LCSD    | 35               | 30            | 01,03              | non-directional bias    |
| 8270E                                                    | Batch QC              | WG1949828-3 | Bis(2-chloroisopropyl)ether | LCSD    | 34               | 40-140        | 01,03              | potential low bias      |
| 8270E                                                    | Batch QC              | WG1949828-3 | 2-Nitrophenol               | LCSD    | 47               | 30            | 01,03              | non-directional bias    |
| 8270E                                                    | Batch QC              | WG1949828-3 | 2,4-Dinitrophenol           | LCSD    | 13               | 30-130        | 01,03              | potential low bias      |



# ORGANICS

# VOLATILES

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439394  
**Report Date:** 07/26/24

**SAMPLE RESULTS**

**Lab ID:** L2439394-01  
**Client ID:** TP5-4-6-N  
**Sample Location:** TRURO, MA

**Date Collected:** 07/12/24 08:15  
**Date Received:** 07/12/24  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil  
**Analytical Method:** 141,8260D  
**Analytical Date:** 07/15/24 12:05  
**Analyst:** JIC  
**Percent Solids:** 98%

| Parameter                                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |     |                 |
| Methylene chloride                                      | ND     |           | ug/kg | 5.5  | --  | 1               |
| 1,1-Dichloroethane                                      | ND     |           | ug/kg | 1.1  | --  | 1               |
| Chloroform                                              | ND     |           | ug/kg | 1.6  | --  | 1               |
| Carbon tetrachloride                                    | ND     |           | ug/kg | 1.1  | --  | 1               |
| 1,2-Dichloropropane                                     | ND     |           | ug/kg | 1.1  | --  | 1               |
| Dibromochloromethane                                    | ND     |           | ug/kg | 1.1  | --  | 1               |
| 1,1,2-Trichloroethane                                   | ND     |           | ug/kg | 1.1  | --  | 1               |
| Tetrachloroethene                                       | ND     |           | ug/kg | 0.55 | --  | 1               |
| Chlorobenzene                                           | ND     |           | ug/kg | 0.55 | --  | 1               |
| Trichlorofluoromethane                                  | ND     |           | ug/kg | 4.4  | --  | 1               |
| 1,2-Dichloroethane                                      | ND     |           | ug/kg | 1.1  | --  | 1               |
| 1,1,1-Trichloroethane                                   | ND     |           | ug/kg | 0.55 | --  | 1               |
| Bromodichloromethane                                    | ND     |           | ug/kg | 0.55 | --  | 1               |
| trans-1,3-Dichloropropene                               | ND     |           | ug/kg | 1.1  | --  | 1               |
| cis-1,3-Dichloropropene                                 | ND     |           | ug/kg | 0.55 | --  | 1               |
| 1,3-Dichloropropene, Total                              | ND     |           | ug/kg | 0.55 | --  | 1               |
| 1,1-Dichloropropene                                     | ND     |           | ug/kg | 0.55 | --  | 1               |
| Bromoform                                               | ND     |           | ug/kg | 4.4  | --  | 1               |
| 1,1,2,2-Tetrachloroethane                               | ND     |           | ug/kg | 0.55 | --  | 1               |
| Benzene                                                 | ND     |           | ug/kg | 0.55 | --  | 1               |
| Toluene                                                 | ND     |           | ug/kg | 1.1  | --  | 1               |
| Ethylbenzene                                            | ND     |           | ug/kg | 1.1  | --  | 1               |
| Chloromethane                                           | ND     |           | ug/kg | 4.4  | --  | 1               |
| Bromomethane                                            | ND     |           | ug/kg | 2.2  | --  | 1               |
| Vinyl chloride                                          | ND     |           | ug/kg | 1.1  | --  | 1               |
| Chloroethane                                            | ND     |           | ug/kg | 2.2  | --  | 1               |
| 1,1-Dichloroethene                                      | ND     |           | ug/kg | 1.1  | --  | 1               |
| trans-1,2-Dichloroethene                                | ND     |           | ug/kg | 1.6  | --  | 1               |

Project Name: TRURO DPW

Lab Number: L2439394

Project Number: TRU250.P2

Report Date: 07/26/24

## SAMPLE RESULTS

Lab ID: L2439394-01

Date Collected: 07/12/24 08:15

Client ID: TP5-4-6-N

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter                                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |     |                 |
| Trichloroethene                                         | ND     |           | ug/kg | 0.55 | --  | 1               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 2.2  | --  | 1               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 2.2  | --  | 1               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 2.2  | --  | 1               |
| Methyl tert butyl ether                                 | ND     |           | ug/kg | 2.2  | --  | 1               |
| p/m-Xylene                                              | ND     |           | ug/kg | 2.2  | --  | 1               |
| o-Xylene                                                | ND     |           | ug/kg | 1.1  | --  | 1               |
| Xylenes, Total                                          | ND     |           | ug/kg | 1.1  | --  | 1               |
| cis-1,2-Dichloroethene                                  | ND     |           | ug/kg | 1.1  | --  | 1               |
| 1,2-Dichloroethene, Total                               | ND     |           | ug/kg | 1.1  | --  | 1               |
| Dibromomethane                                          | ND     |           | ug/kg | 2.2  | --  | 1               |
| 1,2,3-Trichloropropane                                  | ND     |           | ug/kg | 2.2  | --  | 1               |
| Styrene                                                 | ND     |           | ug/kg | 1.1  | --  | 1               |
| Dichlorodifluoromethane                                 | ND     |           | ug/kg | 11   | --  | 1               |
| Acetone                                                 | ND     |           | ug/kg | 27   | --  | 1               |
| Carbon disulfide                                        | ND     |           | ug/kg | 11   | --  | 1               |
| Methyl ethyl ketone                                     | ND     |           | ug/kg | 11   | --  | 1               |
| Methyl isobutyl ketone                                  | ND     |           | ug/kg | 11   | --  | 1               |
| 2-Hexanone                                              | ND     |           | ug/kg | 11   | --  | 1               |
| Bromochloromethane                                      | ND     |           | ug/kg | 2.2  | --  | 1               |
| Tetrahydrofuran                                         | ND     |           | ug/kg | 4.4  | --  | 1               |
| 2,2-Dichloropropane                                     | ND     |           | ug/kg | 2.2  | --  | 1               |
| 1,2-Dibromoethane                                       | ND     |           | ug/kg | 1.1  | --  | 1               |
| 1,3-Dichloropropane                                     | ND     |           | ug/kg | 2.2  | --  | 1               |
| 1,1,1,2-Tetrachloroethane                               | ND     |           | ug/kg | 0.55 | --  | 1               |
| Bromobenzene                                            | ND     |           | ug/kg | 2.2  | --  | 1               |
| n-Butylbenzene                                          | ND     |           | ug/kg | 1.1  | --  | 1               |
| sec-Butylbenzene                                        | ND     |           | ug/kg | 1.1  | --  | 1               |
| tert-Butylbenzene                                       | ND     |           | ug/kg | 2.2  | --  | 1               |
| o-Chlorotoluene                                         | ND     |           | ug/kg | 2.2  | --  | 1               |
| p-Chlorotoluene                                         | ND     |           | ug/kg | 2.2  | --  | 1               |
| 1,2-Dibromo-3-chloropropane                             | ND     |           | ug/kg | 3.3  | --  | 1               |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 4.4  | --  | 1               |
| Isopropylbenzene                                        | ND     |           | ug/kg | 1.1  | --  | 1               |
| p-Isopropyltoluene                                      | ND     |           | ug/kg | 1.1  | --  | 1               |
| Naphthalene                                             | ND     |           | ug/kg | 4.4  | --  | 1               |
| n-Propylbenzene                                         | ND     |           | ug/kg | 1.1  | --  | 1               |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439394  
**Report Date:** 07/26/24

**SAMPLE RESULTS**

**Lab ID:** L2439394-01  
**Client ID:** TP5-4-6-N  
**Sample Location:** TRURO, MA

**Date Collected:** 07/12/24 08:15  
**Date Received:** 07/12/24  
**Field Prep:** Not Specified

Sample Depth:

| Parameter                                               | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |     |                 |
| 1,2,3-Trichlorobenzene                                  | ND     |           | ug/kg | 2.2 | --  | 1               |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 2.2 | --  | 1               |
| 1,3,5-Trimethylbenzene                                  | ND     |           | ug/kg | 2.2 | --  | 1               |
| 1,2,4-Trimethylbenzene                                  | ND     |           | ug/kg | 2.2 | --  | 1               |
| Diethyl ether                                           | ND     |           | ug/kg | 2.2 | --  | 1               |
| Diisopropyl Ether                                       | ND     |           | ug/kg | 2.2 | --  | 1               |
| Ethyl-Tert-Butyl-Ether                                  | ND     |           | ug/kg | 2.2 | --  | 1               |
| Tertiary-Amyl Methyl Ether                              | ND     |           | ug/kg | 2.2 | --  | 1               |
| 1,4-Dioxane                                             | ND     |           | ug/kg | 88  | --  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 123        |           | 70-130              |
| Toluene-d8            | 103        |           | 70-130              |
| 4-Bromofluorobenzene  | 110        |           | 70-130              |
| Dibromofluoromethane  | 105        |           | 70-130              |

**Project Name:** TRURO DPW**Lab Number:** L2439394**Project Number:** TRU250.P2**Report Date:** 07/26/24**SAMPLE RESULTS**

Lab ID: L2439394-02

Date Collected: 07/12/24 08:15

Client ID: TP5-6-8-W

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 141,8260D

Analytical Date: 07/15/24 12:33

Analyst: JIC

Percent Solids: 96%

| Parameter                                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |     |                 |
| Methylene chloride                                      | ND     |           | ug/kg | 5.5  | --  | 1               |
| 1,1-Dichloroethane                                      | ND     |           | ug/kg | 1.1  | --  | 1               |
| Chloroform                                              | ND     |           | ug/kg | 1.7  | --  | 1               |
| Carbon tetrachloride                                    | ND     |           | ug/kg | 1.1  | --  | 1               |
| 1,2-Dichloropropane                                     | ND     |           | ug/kg | 1.1  | --  | 1               |
| Dibromochloromethane                                    | ND     |           | ug/kg | 1.1  | --  | 1               |
| 1,1,2-Trichloroethane                                   | ND     |           | ug/kg | 1.1  | --  | 1               |
| Tetrachloroethene                                       | ND     |           | ug/kg | 0.55 | --  | 1               |
| Chlorobenzene                                           | ND     |           | ug/kg | 0.55 | --  | 1               |
| Trichlorofluoromethane                                  | ND     |           | ug/kg | 4.4  | --  | 1               |
| 1,2-Dichloroethane                                      | ND     |           | ug/kg | 1.1  | --  | 1               |
| 1,1,1-Trichloroethane                                   | ND     |           | ug/kg | 0.55 | --  | 1               |
| Bromodichloromethane                                    | ND     |           | ug/kg | 0.55 | --  | 1               |
| trans-1,3-Dichloropropene                               | ND     |           | ug/kg | 1.1  | --  | 1               |
| cis-1,3-Dichloropropene                                 | ND     |           | ug/kg | 0.55 | --  | 1               |
| 1,3-Dichloropropene, Total                              | ND     |           | ug/kg | 0.55 | --  | 1               |
| 1,1-Dichloropropene                                     | ND     |           | ug/kg | 0.55 | --  | 1               |
| Bromoform                                               | ND     |           | ug/kg | 4.4  | --  | 1               |
| 1,1,2,2-Tetrachloroethane                               | ND     |           | ug/kg | 0.55 | --  | 1               |
| Benzene                                                 | 4.0    |           | ug/kg | 0.55 | --  | 1               |
| Toluene                                                 | 4.9    |           | ug/kg | 1.1  | --  | 1               |
| Ethylbenzene                                            | ND     |           | ug/kg | 1.1  | --  | 1               |
| Chloromethane                                           | ND     |           | ug/kg | 4.4  | --  | 1               |
| Bromomethane                                            | ND     |           | ug/kg | 2.2  | --  | 1               |
| Vinyl chloride                                          | ND     |           | ug/kg | 1.1  | --  | 1               |
| Chloroethane                                            | ND     |           | ug/kg | 2.2  | --  | 1               |
| 1,1-Dichloroethene                                      | ND     |           | ug/kg | 1.1  | --  | 1               |
| trans-1,2-Dichloroethene                                | ND     |           | ug/kg | 1.7  | --  | 1               |

Project Name: TRURO DPW

Lab Number: L2439394

Project Number: TRU250.P2

Report Date: 07/26/24

## SAMPLE RESULTS

Lab ID: L2439394-02

Date Collected: 07/12/24 08:15

Client ID: TP5-6-8-W

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter                                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |     |                 |
| Trichloroethene                                         | ND     |           | ug/kg | 0.55 | --  | 1               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 2.2  | --  | 1               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 2.2  | --  | 1               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 2.2  | --  | 1               |
| Methyl tert butyl ether                                 | 4.9    |           | ug/kg | 2.2  | --  | 1               |
| p/m-Xylene                                              | ND     |           | ug/kg | 2.2  | --  | 1               |
| o-Xylene                                                | ND     |           | ug/kg | 1.1  | --  | 1               |
| Xylenes, Total                                          | ND     |           | ug/kg | 1.1  | --  | 1               |
| cis-1,2-Dichloroethene                                  | ND     |           | ug/kg | 1.1  | --  | 1               |
| 1,2-Dichloroethene, Total                               | ND     |           | ug/kg | 1.1  | --  | 1               |
| Dibromomethane                                          | ND     |           | ug/kg | 2.2  | --  | 1               |
| 1,2,3-Trichloropropane                                  | ND     |           | ug/kg | 2.2  | --  | 1               |
| Styrene                                                 | ND     |           | ug/kg | 1.1  | --  | 1               |
| Dichlorodifluoromethane                                 | ND     |           | ug/kg | 11   | --  | 1               |
| Acetone                                                 | ND     |           | ug/kg | 28   | --  | 1               |
| Carbon disulfide                                        | ND     |           | ug/kg | 11   | --  | 1               |
| Methyl ethyl ketone                                     | ND     |           | ug/kg | 11   | --  | 1               |
| Methyl isobutyl ketone                                  | ND     |           | ug/kg | 11   | --  | 1               |
| 2-Hexanone                                              | ND     |           | ug/kg | 11   | --  | 1               |
| Bromochloromethane                                      | ND     |           | ug/kg | 2.2  | --  | 1               |
| Tetrahydrofuran                                         | ND     |           | ug/kg | 4.4  | --  | 1               |
| 2,2-Dichloropropane                                     | ND     |           | ug/kg | 2.2  | --  | 1               |
| 1,2-Dibromoethane                                       | ND     |           | ug/kg | 1.1  | --  | 1               |
| 1,3-Dichloropropane                                     | ND     |           | ug/kg | 2.2  | --  | 1               |
| 1,1,1,2-Tetrachloroethane                               | ND     |           | ug/kg | 0.55 | --  | 1               |
| Bromobenzene                                            | ND     |           | ug/kg | 2.2  | --  | 1               |
| n-Butylbenzene                                          | ND     |           | ug/kg | 1.1  | --  | 1               |
| sec-Butylbenzene                                        | ND     |           | ug/kg | 1.1  | --  | 1               |
| tert-Butylbenzene                                       | ND     |           | ug/kg | 2.2  | --  | 1               |
| o-Chlorotoluene                                         | ND     |           | ug/kg | 2.2  | --  | 1               |
| p-Chlorotoluene                                         | ND     |           | ug/kg | 2.2  | --  | 1               |
| 1,2-Dibromo-3-chloropropane                             | ND     |           | ug/kg | 3.3  | --  | 1               |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 4.4  | --  | 1               |
| Isopropylbenzene                                        | ND     |           | ug/kg | 1.1  | --  | 1               |
| p-Isopropyltoluene                                      | ND     |           | ug/kg | 1.1  | --  | 1               |
| Naphthalene                                             | ND     |           | ug/kg | 4.4  | --  | 1               |
| n-Propylbenzene                                         | ND     |           | ug/kg | 1.1  | --  | 1               |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439394  
**Report Date:** 07/26/24

**SAMPLE RESULTS**

**Lab ID:** L2439394-02  
**Client ID:** TP5-6-8-W  
**Sample Location:** TRURO, MA

**Date Collected:** 07/12/24 08:15  
**Date Received:** 07/12/24  
**Field Prep:** Not Specified

Sample Depth:

| Parameter                                               | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |     |                 |
| 1,2,3-Trichlorobenzene                                  | ND     |           | ug/kg | 2.2 | --  | 1               |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 2.2 | --  | 1               |
| 1,3,5-Trimethylbenzene                                  | ND     |           | ug/kg | 2.2 | --  | 1               |
| 1,2,4-Trimethylbenzene                                  | ND     |           | ug/kg | 2.2 | --  | 1               |
| Diethyl ether                                           | ND     |           | ug/kg | 2.2 | --  | 1               |
| Diisopropyl Ether                                       | ND     |           | ug/kg | 2.2 | --  | 1               |
| Ethyl-Tert-Butyl-Ether                                  | ND     |           | ug/kg | 2.2 | --  | 1               |
| Tertiary-Amyl Methyl Ether                              | ND     |           | ug/kg | 2.2 | --  | 1               |
| 1,4-Dioxane                                             | ND     |           | ug/kg | 88  | --  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 121        |           | 70-130              |
| Toluene-d8            | 106        |           | 70-130              |
| 4-Bromofluorobenzene  | 114        |           | 70-130              |
| Dibromofluoromethane  | 104        |           | 70-130              |



Project Name: TRURO DPW

Lab Number: L2439394

Project Number: TRU250.P2

Report Date: 07/26/24

## SAMPLE RESULTS

Lab ID: L2439394-03

Date Collected: 07/11/24 12:30

Client ID: TP5-6-8S

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 141,8260D

Analytical Date: 07/15/24 13:00

Analyst: JIC

Percent Solids: 96%

| Parameter                                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |     |                 |
| Methylene chloride                                      | ND     |           | ug/kg | 5.0  | --  | 1               |
| 1,1-Dichloroethane                                      | ND     |           | ug/kg | 1.0  | --  | 1               |
| Chloroform                                              | ND     |           | ug/kg | 1.5  | --  | 1               |
| Carbon tetrachloride                                    | ND     |           | ug/kg | 1.0  | --  | 1               |
| 1,2-Dichloropropane                                     | ND     |           | ug/kg | 1.0  | --  | 1               |
| Dibromochloromethane                                    | ND     |           | ug/kg | 1.0  | --  | 1               |
| 1,1,2-Trichloroethane                                   | ND     |           | ug/kg | 1.0  | --  | 1               |
| Tetrachloroethene                                       | ND     |           | ug/kg | 0.50 | --  | 1               |
| Chlorobenzene                                           | ND     |           | ug/kg | 0.50 | --  | 1               |
| Trichlorofluoromethane                                  | ND     |           | ug/kg | 4.0  | --  | 1               |
| 1,2-Dichloroethane                                      | ND     |           | ug/kg | 1.0  | --  | 1               |
| 1,1,1-Trichloroethane                                   | ND     |           | ug/kg | 0.50 | --  | 1               |
| Bromodichloromethane                                    | ND     |           | ug/kg | 0.50 | --  | 1               |
| trans-1,3-Dichloropropene                               | ND     |           | ug/kg | 1.0  | --  | 1               |
| cis-1,3-Dichloropropene                                 | ND     |           | ug/kg | 0.50 | --  | 1               |
| 1,3-Dichloropropene, Total                              | ND     |           | ug/kg | 0.50 | --  | 1               |
| 1,1-Dichloropropene                                     | ND     |           | ug/kg | 0.50 | --  | 1               |
| Bromoform                                               | ND     |           | ug/kg | 4.0  | --  | 1               |
| 1,1,2,2-Tetrachloroethane                               | ND     |           | ug/kg | 0.50 | --  | 1               |
| Benzene                                                 | 20     |           | ug/kg | 0.50 | --  | 1               |
| Toluene                                                 | 320    | E         | ug/kg | 1.0  | --  | 1               |
| Ethylbenzene                                            | 140    |           | ug/kg | 1.0  | --  | 1               |
| Chloromethane                                           | ND     |           | ug/kg | 4.0  | --  | 1               |
| Bromomethane                                            | ND     |           | ug/kg | 2.0  | --  | 1               |
| Vinyl chloride                                          | ND     |           | ug/kg | 1.0  | --  | 1               |
| Chloroethane                                            | ND     |           | ug/kg | 2.0  | --  | 1               |
| 1,1-Dichloroethene                                      | ND     |           | ug/kg | 1.0  | --  | 1               |
| trans-1,2-Dichloroethene                                | ND     |           | ug/kg | 1.5  | --  | 1               |

Project Name: TRURO DPW

Lab Number: L2439394

Project Number: TRU250.P2

Report Date: 07/26/24

## SAMPLE RESULTS

Lab ID: L2439394-03

Date Collected: 07/11/24 12:30

Client ID: TP5-6-8S

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter                                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |     |                 |
| Trichloroethene                                         | ND     |           | ug/kg | 0.50 | --  | 1               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 2.0  | --  | 1               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 2.0  | --  | 1               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 2.0  | --  | 1               |
| Methyl tert butyl ether                                 | 24     |           | ug/kg | 2.0  | --  | 1               |
| p/m-Xylene                                              | 470    |           | ug/kg | 2.0  | --  | 1               |
| o-Xylene                                                | 280    |           | ug/kg | 1.0  | --  | 1               |
| Xylenes, Total                                          | 750    |           | ug/kg | 1.0  | --  | 1               |
| cis-1,2-Dichloroethene                                  | ND     |           | ug/kg | 1.0  | --  | 1               |
| 1,2-Dichloroethene, Total                               | ND     |           | ug/kg | 1.0  | --  | 1               |
| Dibromomethane                                          | ND     |           | ug/kg | 2.0  | --  | 1               |
| 1,2,3-Trichloropropane                                  | ND     |           | ug/kg | 2.0  | --  | 1               |
| Styrene                                                 | ND     |           | ug/kg | 1.0  | --  | 1               |
| Dichlorodifluoromethane                                 | ND     |           | ug/kg | 10   | --  | 1               |
| Acetone                                                 | 100    |           | ug/kg | 25   | --  | 1               |
| Carbon disulfide                                        | ND     |           | ug/kg | 10   | --  | 1               |
| Methyl ethyl ketone                                     | ND     |           | ug/kg | 10   | --  | 1               |
| Methyl isobutyl ketone                                  | ND     |           | ug/kg | 10   | --  | 1               |
| 2-Hexanone                                              | ND     |           | ug/kg | 10   | --  | 1               |
| Bromochloromethane                                      | ND     |           | ug/kg | 2.0  | --  | 1               |
| Tetrahydrofuran                                         | ND     |           | ug/kg | 4.0  | --  | 1               |
| 2,2-Dichloropropane                                     | ND     |           | ug/kg | 2.0  | --  | 1               |
| 1,2-Dibromoethane                                       | ND     |           | ug/kg | 1.0  | --  | 1               |
| 1,3-Dichloropropane                                     | ND     |           | ug/kg | 2.0  | --  | 1               |
| 1,1,1,2-Tetrachloroethane                               | ND     |           | ug/kg | 0.50 | --  | 1               |
| Bromobenzene                                            | ND     |           | ug/kg | 2.0  | --  | 1               |
| n-Butylbenzene                                          | 16     |           | ug/kg | 1.0  | --  | 1               |
| sec-Butylbenzene                                        | 6.9    |           | ug/kg | 1.0  | --  | 1               |
| tert-Butylbenzene                                       | ND     |           | ug/kg | 2.0  | --  | 1               |
| o-Chlorotoluene                                         | ND     |           | ug/kg | 2.0  | --  | 1               |
| p-Chlorotoluene                                         | ND     |           | ug/kg | 2.0  | --  | 1               |
| 1,2-Dibromo-3-chloropropane                             | ND     |           | ug/kg | 3.0  | --  | 1               |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 4.0  | --  | 1               |
| Isopropylbenzene                                        | 18     |           | ug/kg | 1.0  | --  | 1               |
| p-Isopropyltoluene                                      | 3.1    |           | ug/kg | 1.0  | --  | 1               |
| Naphthalene                                             | 120    |           | ug/kg | 4.0  | --  | 1               |
| n-Propylbenzene                                         | 68     |           | ug/kg | 1.0  | --  | 1               |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439394  
**Report Date:** 07/26/24

**SAMPLE RESULTS**

**Lab ID:** L2439394-03  
**Client ID:** TP5-6-8S  
**Sample Location:** TRURO, MA

**Date Collected:** 07/11/24 12:30  
**Date Received:** 07/12/24  
**Field Prep:** Not Specified

Sample Depth:

| Parameter                                               | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |     |                 |
| 1,2,3-Trichlorobenzene                                  | ND     |           | ug/kg | 2.0 | --  | 1               |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 2.0 | --  | 1               |
| 1,3,5-Trimethylbenzene                                  | 140    |           | ug/kg | 2.0 | --  | 1               |
| 1,2,4-Trimethylbenzene                                  | 360    | E         | ug/kg | 2.0 | --  | 1               |
| Diethyl ether                                           | ND     |           | ug/kg | 2.0 | --  | 1               |
| Diisopropyl Ether                                       | ND     |           | ug/kg | 2.0 | --  | 1               |
| Ethyl-Tert-Butyl-Ether                                  | ND     |           | ug/kg | 2.0 | --  | 1               |
| Tertiary-Amyl Methyl Ether                              | 2.2    |           | ug/kg | 2.0 | --  | 1               |
| 1,4-Dioxane                                             | ND     |           | ug/kg | 80  | --  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 114        |           | 70-130              |
| Toluene-d8            | 102        |           | 70-130              |
| 4-Bromofluorobenzene  | 104        |           | 70-130              |
| Dibromofluoromethane  | 92         |           | 70-130              |

**Project Name:** TRURO DPW**Lab Number:** L2439394**Project Number:** TRU250.P2**Report Date:** 07/26/24**SAMPLE RESULTS**

Lab ID: L2439394-03

Date Collected: 07/11/24 12:30

Client ID: TP5-6-8S

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 141,8260D

Analytical Date: 07/16/24 11:49

Analyst: AJK

Percent Solids: 96%

| Parameter                                                | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|----------------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Volatile Organics by EPA 5035 High - Westborough Lab |        |           |       |     |     |                 |
| Methylene chloride                                       | ND     |           | ug/kg | 280 | --  | 1               |
| 1,1-Dichloroethane                                       | ND     |           | ug/kg | 56  | --  | 1               |
| Chloroform                                               | ND     |           | ug/kg | 83  | --  | 1               |
| Carbon tetrachloride                                     | ND     |           | ug/kg | 56  | --  | 1               |
| 1,2-Dichloropropane                                      | ND     |           | ug/kg | 56  | --  | 1               |
| Dibromochloromethane                                     | ND     |           | ug/kg | 56  | --  | 1               |
| 1,1,2-Trichloroethane                                    | ND     |           | ug/kg | 56  | --  | 1               |
| Tetrachloroethene                                        | ND     |           | ug/kg | 28  | --  | 1               |
| Chlorobenzene                                            | ND     |           | ug/kg | 28  | --  | 1               |
| Trichlorofluoromethane                                   | ND     |           | ug/kg | 220 | --  | 1               |
| 1,2-Dichloroethane                                       | ND     |           | ug/kg | 56  | --  | 1               |
| 1,1,1-Trichloroethane                                    | ND     |           | ug/kg | 28  | --  | 1               |
| Bromodichloromethane                                     | ND     |           | ug/kg | 28  | --  | 1               |
| trans-1,3-Dichloropropene                                | ND     |           | ug/kg | 56  | --  | 1               |
| cis-1,3-Dichloropropene                                  | ND     |           | ug/kg | 28  | --  | 1               |
| 1,3-Dichloropropene, Total                               | ND     |           | ug/kg | 28  | --  | 1               |
| 1,1-Dichloropropene                                      | ND     |           | ug/kg | 28  | --  | 1               |
| Bromoform                                                | ND     |           | ug/kg | 220 | --  | 1               |
| 1,1,2,2-Tetrachloroethane                                | ND     |           | ug/kg | 28  | --  | 1               |
| Benzene                                                  | 28     |           | ug/kg | 28  | --  | 1               |
| Toluene                                                  | 500    |           | ug/kg | 56  | --  | 1               |
| Ethylbenzene                                             | 290    |           | ug/kg | 56  | --  | 1               |
| Chloromethane                                            | ND     |           | ug/kg | 220 | --  | 1               |
| Bromomethane                                             | ND     |           | ug/kg | 110 | --  | 1               |
| Vinyl chloride                                           | ND     |           | ug/kg | 56  | --  | 1               |
| Chloroethane                                             | ND     |           | ug/kg | 110 | --  | 1               |
| 1,1-Dichloroethene                                       | ND     |           | ug/kg | 56  | --  | 1               |
| trans-1,2-Dichloroethene                                 | ND     |           | ug/kg | 83  | --  | 1               |

Project Name: TRURO DPW

Lab Number: L2439394

Project Number: TRU250.P2

Report Date: 07/26/24

## SAMPLE RESULTS

Lab ID: L2439394-03

Date Collected: 07/11/24 12:30

Client ID: TP5-6-8S

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter                                                | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|----------------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Volatile Organics by EPA 5035 High - Westborough Lab |        |           |       |     |     |                 |
| Trichloroethene                                          | ND     |           | ug/kg | 28  | --  | 1               |
| 1,2-Dichlorobenzene                                      | ND     |           | ug/kg | 110 | --  | 1               |
| 1,3-Dichlorobenzene                                      | ND     |           | ug/kg | 110 | --  | 1               |
| 1,4-Dichlorobenzene                                      | ND     |           | ug/kg | 110 | --  | 1               |
| Methyl tert butyl ether                                  | ND     |           | ug/kg | 110 | --  | 1               |
| p/m-Xylene                                               | 1200   |           | ug/kg | 110 | --  | 1               |
| o-Xylene                                                 | 560    |           | ug/kg | 56  | --  | 1               |
| Xylenes, Total                                           | 1800   |           | ug/kg | 56  | --  | 1               |
| cis-1,2-Dichloroethene                                   | ND     |           | ug/kg | 56  | --  | 1               |
| 1,2-Dichloroethene, Total                                | ND     |           | ug/kg | 56  | --  | 1               |
| Dibromomethane                                           | ND     |           | ug/kg | 110 | --  | 1               |
| 1,2,3-Trichloropropane                                   | ND     |           | ug/kg | 110 | --  | 1               |
| Styrene                                                  | ND     |           | ug/kg | 56  | --  | 1               |
| Dichlorodifluoromethane                                  | ND     |           | ug/kg | 560 | --  | 1               |
| Acetone                                                  | ND     |           | ug/kg | 560 | --  | 1               |
| Carbon disulfide                                         | ND     |           | ug/kg | 560 | --  | 1               |
| Methyl ethyl ketone                                      | ND     |           | ug/kg | 560 | --  | 1               |
| Methyl isobutyl ketone                                   | ND     |           | ug/kg | 560 | --  | 1               |
| 2-Hexanone                                               | ND     |           | ug/kg | 560 | --  | 1               |
| Bromochloromethane                                       | ND     |           | ug/kg | 110 | --  | 1               |
| Tetrahydrofuran                                          | ND     |           | ug/kg | 220 | --  | 1               |
| 2,2-Dichloropropane                                      | ND     |           | ug/kg | 110 | --  | 1               |
| 1,2-Dibromoethane                                        | ND     |           | ug/kg | 56  | --  | 1               |
| 1,3-Dichloropropane                                      | ND     |           | ug/kg | 110 | --  | 1               |
| 1,1,1,2-Tetrachloroethane                                | ND     |           | ug/kg | 28  | --  | 1               |
| Bromobenzene                                             | ND     |           | ug/kg | 110 | --  | 1               |
| n-Butylbenzene                                           | 110    |           | ug/kg | 56  | --  | 1               |
| sec-Butylbenzene                                         | ND     |           | ug/kg | 56  | --  | 1               |
| tert-Butylbenzene                                        | ND     |           | ug/kg | 110 | --  | 1               |
| o-Chlorotoluene                                          | ND     |           | ug/kg | 110 | --  | 1               |
| p-Chlorotoluene                                          | ND     |           | ug/kg | 110 | --  | 1               |
| 1,2-Dibromo-3-chloropropane                              | ND     |           | ug/kg | 170 | --  | 1               |
| Hexachlorobutadiene                                      | ND     |           | ug/kg | 220 | --  | 1               |
| Isopropylbenzene                                         | ND     |           | ug/kg | 56  | --  | 1               |
| p-Isopropyltoluene                                       | ND     |           | ug/kg | 56  | --  | 1               |
| Naphthalene                                              | 520    |           | ug/kg | 220 | --  | 1               |
| n-Propylbenzene                                          | 190    |           | ug/kg | 56  | --  | 1               |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439394  
**Report Date:** 07/26/24

**SAMPLE RESULTS**

**Lab ID:** L2439394-03  
**Client ID:** TP5-6-8S  
**Sample Location:** TRURO, MA

**Date Collected:** 07/11/24 12:30  
**Date Received:** 07/12/24  
**Field Prep:** Not Specified

Sample Depth:

| Parameter                                                | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|----------------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics by EPA 5035 High - Westborough Lab |        |           |       |      |     |                 |
| 1,2,3-Trichlorobenzene                                   | ND     |           | ug/kg | 110  | --  | 1               |
| 1,2,4-Trichlorobenzene                                   | ND     |           | ug/kg | 110  | --  | 1               |
| 1,3,5-Trimethylbenzene                                   | 400    |           | ug/kg | 110  | --  | 1               |
| 1,2,4-Trimethylbenzene                                   | 1400   |           | ug/kg | 110  | --  | 1               |
| Diethyl ether                                            | ND     |           | ug/kg | 110  | --  | 1               |
| Diisopropyl Ether                                        | ND     |           | ug/kg | 110  | --  | 1               |
| Ethyl-Tert-Butyl-Ether                                   | ND     |           | ug/kg | 110  | --  | 1               |
| Tertiary-Amyl Methyl Ether                               | ND     |           | ug/kg | 110  | --  | 1               |
| 1,4-Dioxane                                              | ND     |           | ug/kg | 4400 | --  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 112        |           | 70-130              |
| Toluene-d8            | 99         |           | 70-130              |
| 4-Bromofluorobenzene  | 102        |           | 70-130              |
| Dibromofluoromethane  | 105        |           | 70-130              |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439394  
**Report Date:** 07/26/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 141,8260D  
Analytical Date: 07/15/24 11:10  
Analyst: AJK

| Parameter                                                                                       | Result | Qualifier | Units | RL   | MDL |
|-------------------------------------------------------------------------------------------------|--------|-----------|-------|------|-----|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03 Batch: WG1947586-5 |        |           |       |      |     |
| Methylene chloride                                                                              | ND     |           | ug/kg | 5.0  | --  |
| 1,1-Dichloroethane                                                                              | ND     |           | ug/kg | 1.0  | --  |
| Chloroform                                                                                      | 2.0    |           | ug/kg | 1.5  | --  |
| Carbon tetrachloride                                                                            | ND     |           | ug/kg | 1.0  | --  |
| 1,2-Dichloropropane                                                                             | ND     |           | ug/kg | 1.0  | --  |
| Dibromochloromethane                                                                            | ND     |           | ug/kg | 1.0  | --  |
| 1,1,2-Trichloroethane                                                                           | ND     |           | ug/kg | 1.0  | --  |
| Tetrachloroethene                                                                               | ND     |           | ug/kg | 0.50 | --  |
| Chlorobenzene                                                                                   | ND     |           | ug/kg | 0.50 | --  |
| Trichlorofluoromethane                                                                          | ND     |           | ug/kg | 4.0  | --  |
| 1,2-Dichloroethane                                                                              | ND     |           | ug/kg | 1.0  | --  |
| 1,1,1-Trichloroethane                                                                           | ND     |           | ug/kg | 0.50 | --  |
| Bromodichloromethane                                                                            | ND     |           | ug/kg | 0.50 | --  |
| trans-1,3-Dichloropropene                                                                       | ND     |           | ug/kg | 1.0  | --  |
| cis-1,3-Dichloropropene                                                                         | ND     |           | ug/kg | 0.50 | --  |
| 1,3-Dichloropropene, Total                                                                      | ND     |           | ug/kg | 0.50 | --  |
| 1,1-Dichloropropene                                                                             | ND     |           | ug/kg | 0.50 | --  |
| Bromoform                                                                                       | ND     |           | ug/kg | 4.0  | --  |
| 1,1,2,2-Tetrachloroethane                                                                       | ND     |           | ug/kg | 0.50 | --  |
| Benzene                                                                                         | ND     |           | ug/kg | 0.50 | --  |
| Toluene                                                                                         | ND     |           | ug/kg | 1.0  | --  |
| Ethylbenzene                                                                                    | ND     |           | ug/kg | 1.0  | --  |
| Chloromethane                                                                                   | ND     |           | ug/kg | 4.0  | --  |
| Bromomethane                                                                                    | ND     |           | ug/kg | 2.0  | --  |
| Vinyl chloride                                                                                  | ND     |           | ug/kg | 1.0  | --  |
| Chloroethane                                                                                    | ND     |           | ug/kg | 2.0  | --  |
| 1,1-Dichloroethene                                                                              | ND     |           | ug/kg | 1.0  | --  |
| trans-1,2-Dichloroethene                                                                        | ND     |           | ug/kg | 1.5  | --  |
| Trichloroethene                                                                                 | ND     |           | ug/kg | 0.50 | --  |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439394  
**Report Date:** 07/26/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 141,8260D  
Analytical Date: 07/15/24 11:10  
Analyst: AJK

| Parameter                                                                                       | Result | Qualifier | Units | RL   | MDL |
|-------------------------------------------------------------------------------------------------|--------|-----------|-------|------|-----|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03 Batch: WG1947586-5 |        |           |       |      |     |
| 1,2-Dichlorobenzene                                                                             | ND     |           | ug/kg | 2.0  | --  |
| 1,3-Dichlorobenzene                                                                             | ND     |           | ug/kg | 2.0  | --  |
| 1,4-Dichlorobenzene                                                                             | ND     |           | ug/kg | 2.0  | --  |
| Methyl tert butyl ether                                                                         | ND     |           | ug/kg | 2.0  | --  |
| p/m-Xylene                                                                                      | ND     |           | ug/kg | 2.0  | --  |
| o-Xylene                                                                                        | ND     |           | ug/kg | 1.0  | --  |
| Xylenes, Total                                                                                  | ND     |           | ug/kg | 1.0  | --  |
| cis-1,2-Dichloroethene                                                                          | ND     |           | ug/kg | 1.0  | --  |
| 1,2-Dichloroethene, Total                                                                       | ND     |           | ug/kg | 1.0  | --  |
| Dibromomethane                                                                                  | ND     |           | ug/kg | 2.0  | --  |
| 1,2,3-Trichloropropane                                                                          | ND     |           | ug/kg | 2.0  | --  |
| Styrene                                                                                         | ND     |           | ug/kg | 1.0  | --  |
| Dichlorodifluoromethane                                                                         | ND     |           | ug/kg | 10   | --  |
| Acetone                                                                                         | ND     |           | ug/kg | 25   | --  |
| Carbon disulfide                                                                                | ND     |           | ug/kg | 10   | --  |
| Methyl ethyl ketone                                                                             | ND     |           | ug/kg | 10   | --  |
| Methyl isobutyl ketone                                                                          | ND     |           | ug/kg | 10   | --  |
| 2-Hexanone                                                                                      | ND     |           | ug/kg | 10   | --  |
| Bromochloromethane                                                                              | ND     |           | ug/kg | 2.0  | --  |
| Tetrahydrofuran                                                                                 | ND     |           | ug/kg | 4.0  | --  |
| 2,2-Dichloropropane                                                                             | ND     |           | ug/kg | 2.0  | --  |
| 1,2-Dibromoethane                                                                               | ND     |           | ug/kg | 1.0  | --  |
| 1,3-Dichloropropane                                                                             | ND     |           | ug/kg | 2.0  | --  |
| 1,1,1,2-Tetrachloroethane                                                                       | ND     |           | ug/kg | 0.50 | --  |
| Bromobenzene                                                                                    | ND     |           | ug/kg | 2.0  | --  |
| n-Butylbenzene                                                                                  | ND     |           | ug/kg | 1.0  | --  |
| sec-Butylbenzene                                                                                | ND     |           | ug/kg | 1.0  | --  |
| tert-Butylbenzene                                                                               | ND     |           | ug/kg | 2.0  | --  |
| o-Chlorotoluene                                                                                 | ND     |           | ug/kg | 2.0  | --  |



**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439394  
**Report Date:** 07/26/24

### Method Blank Analysis Batch Quality Control

**Analytical Method:** 141,8260D  
**Analytical Date:** 07/15/24 11:10  
**Analyst:** AJK

| Parameter                                                                                       | Result | Qualifier | Units | RL  | MDL |
|-------------------------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03 Batch: WG1947586-5 |        |           |       |     |     |
| p-Chlorotoluene                                                                                 | ND     |           | ug/kg | 2.0 | --  |
| 1,2-Dibromo-3-chloropropane                                                                     | ND     |           | ug/kg | 3.0 | --  |
| Hexachlorobutadiene                                                                             | ND     |           | ug/kg | 4.0 | --  |
| Isopropylbenzene                                                                                | ND     |           | ug/kg | 1.0 | --  |
| p-Isopropyltoluene                                                                              | ND     |           | ug/kg | 1.0 | --  |
| Naphthalene                                                                                     | ND     |           | ug/kg | 4.0 | --  |
| n-Propylbenzene                                                                                 | ND     |           | ug/kg | 1.0 | --  |
| 1,2,3-Trichlorobenzene                                                                          | ND     |           | ug/kg | 2.0 | --  |
| 1,2,4-Trichlorobenzene                                                                          | ND     |           | ug/kg | 2.0 | --  |
| 1,3,5-Trimethylbenzene                                                                          | ND     |           | ug/kg | 2.0 | --  |
| 1,2,4-Trimethylbenzene                                                                          | ND     |           | ug/kg | 2.0 | --  |
| Diethyl ether                                                                                   | ND     |           | ug/kg | 2.0 | --  |
| Diisopropyl Ether                                                                               | ND     |           | ug/kg | 2.0 | --  |
| Ethyl-Tert-Butyl-Ether                                                                          | ND     |           | ug/kg | 2.0 | --  |
| Tertiary-Amyl Methyl Ether                                                                      | ND     |           | ug/kg | 2.0 | --  |
| 1,4-Dioxane                                                                                     | ND     |           | ug/kg | 80  | --  |

| Surrogate             | %Recovery | Qualifier | Acceptance<br>Criteria |
|-----------------------|-----------|-----------|------------------------|
| 1,2-Dichloroethane-d4 | 117       |           | 70-130                 |
| Toluene-d8            | 105       |           | 70-130                 |
| 4-Bromofluorobenzene  | 105       |           | 70-130                 |
| Dibromofluoromethane  | 99        |           | 70-130                 |



**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439394  
**Report Date:** 07/26/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 141,8260D  
 Analytical Date: 07/16/24 09:11  
 Analyst: AJK

| Parameter                                                                                     | Result | Qualifier | Units | RL  | MDL |
|-----------------------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| MCP Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 03 Batch: WG1948013-5 |        |           |       |     |     |
| Methylene chloride                                                                            | ND     |           | ug/kg | 250 | --  |
| 1,1-Dichloroethane                                                                            | ND     |           | ug/kg | 50  | --  |
| Chloroform                                                                                    | ND     |           | ug/kg | 75  | --  |
| Carbon tetrachloride                                                                          | ND     |           | ug/kg | 50  | --  |
| 1,2-Dichloropropane                                                                           | ND     |           | ug/kg | 50  | --  |
| Dibromochloromethane                                                                          | ND     |           | ug/kg | 50  | --  |
| 1,1,2-Trichloroethane                                                                         | ND     |           | ug/kg | 50  | --  |
| Tetrachloroethene                                                                             | ND     |           | ug/kg | 25  | --  |
| Chlorobenzene                                                                                 | ND     |           | ug/kg | 25  | --  |
| Trichlorofluoromethane                                                                        | ND     |           | ug/kg | 200 | --  |
| 1,2-Dichloroethane                                                                            | ND     |           | ug/kg | 50  | --  |
| 1,1,1-Trichloroethane                                                                         | ND     |           | ug/kg | 25  | --  |
| Bromodichloromethane                                                                          | ND     |           | ug/kg | 25  | --  |
| trans-1,3-Dichloropropene                                                                     | ND     |           | ug/kg | 50  | --  |
| cis-1,3-Dichloropropene                                                                       | ND     |           | ug/kg | 25  | --  |
| 1,3-Dichloropropene, Total                                                                    | ND     |           | ug/kg | 25  | --  |
| 1,1-Dichloropropene                                                                           | ND     |           | ug/kg | 25  | --  |
| Bromoform                                                                                     | ND     |           | ug/kg | 200 | --  |
| 1,1,2,2-Tetrachloroethane                                                                     | ND     |           | ug/kg | 25  | --  |
| Benzene                                                                                       | ND     |           | ug/kg | 25  | --  |
| Toluene                                                                                       | ND     |           | ug/kg | 50  | --  |
| Ethylbenzene                                                                                  | ND     |           | ug/kg | 50  | --  |
| Chloromethane                                                                                 | ND     |           | ug/kg | 200 | --  |
| Bromomethane                                                                                  | ND     |           | ug/kg | 100 | --  |
| Vinyl chloride                                                                                | ND     |           | ug/kg | 50  | --  |
| Chloroethane                                                                                  | ND     |           | ug/kg | 100 | --  |
| 1,1-Dichloroethene                                                                            | ND     |           | ug/kg | 50  | --  |
| trans-1,2-Dichloroethene                                                                      | ND     |           | ug/kg | 75  | --  |
| Trichloroethene                                                                               | ND     |           | ug/kg | 25  | --  |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439394  
**Report Date:** 07/26/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 141,8260D  
 Analytical Date: 07/16/24 09:11  
 Analyst: AJK

| Parameter                                                                                     | Result | Qualifier | Units | RL  | MDL |
|-----------------------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| MCP Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 03 Batch: WG1948013-5 |        |           |       |     |     |
| 1,2-Dichlorobenzene                                                                           | ND     |           | ug/kg | 100 | --  |
| 1,3-Dichlorobenzene                                                                           | ND     |           | ug/kg | 100 | --  |
| 1,4-Dichlorobenzene                                                                           | ND     |           | ug/kg | 100 | --  |
| Methyl tert butyl ether                                                                       | ND     |           | ug/kg | 100 | --  |
| p/m-Xylene                                                                                    | ND     |           | ug/kg | 100 | --  |
| o-Xylene                                                                                      | ND     |           | ug/kg | 50  | --  |
| Xylenes, Total                                                                                | ND     |           | ug/kg | 50  | --  |
| cis-1,2-Dichloroethene                                                                        | ND     |           | ug/kg | 50  | --  |
| 1,2-Dichloroethene, Total                                                                     | ND     |           | ug/kg | 50  | --  |
| Dibromomethane                                                                                | ND     |           | ug/kg | 100 | --  |
| 1,2,3-Trichloropropane                                                                        | ND     |           | ug/kg | 100 | --  |
| Styrene                                                                                       | ND     |           | ug/kg | 50  | --  |
| Dichlorodifluoromethane                                                                       | ND     |           | ug/kg | 500 | --  |
| Acetone                                                                                       | ND     |           | ug/kg | 500 | --  |
| Carbon disulfide                                                                              | ND     |           | ug/kg | 500 | --  |
| Methyl ethyl ketone                                                                           | ND     |           | ug/kg | 500 | --  |
| Methyl isobutyl ketone                                                                        | ND     |           | ug/kg | 500 | --  |
| 2-Hexanone                                                                                    | ND     |           | ug/kg | 500 | --  |
| Bromochloromethane                                                                            | ND     |           | ug/kg | 100 | --  |
| Tetrahydrofuran                                                                               | ND     |           | ug/kg | 200 | --  |
| 2,2-Dichloropropane                                                                           | ND     |           | ug/kg | 100 | --  |
| 1,2-Dibromoethane                                                                             | ND     |           | ug/kg | 50  | --  |
| 1,3-Dichloropropane                                                                           | ND     |           | ug/kg | 100 | --  |
| 1,1,1,2-Tetrachloroethane                                                                     | ND     |           | ug/kg | 25  | --  |
| Bromobenzene                                                                                  | ND     |           | ug/kg | 100 | --  |
| n-Butylbenzene                                                                                | ND     |           | ug/kg | 50  | --  |
| sec-Butylbenzene                                                                              | ND     |           | ug/kg | 50  | --  |
| tert-Butylbenzene                                                                             | ND     |           | ug/kg | 100 | --  |
| o-Chlorotoluene                                                                               | ND     |           | ug/kg | 100 | --  |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439394  
**Report Date:** 07/26/24

### Method Blank Analysis Batch Quality Control

**Analytical Method:** 141,8260D  
**Analytical Date:** 07/16/24 09:11  
**Analyst:** AJK

| Parameter                                                                                     | Result | Qualifier | Units | RL   | MDL |
|-----------------------------------------------------------------------------------------------|--------|-----------|-------|------|-----|
| MCP Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 03 Batch: WG1948013-5 |        |           |       |      |     |
| p-Chlorotoluene                                                                               | ND     |           | ug/kg | 100  | --  |
| 1,2-Dibromo-3-chloropropane                                                                   | ND     |           | ug/kg | 150  | --  |
| Hexachlorobutadiene                                                                           | ND     |           | ug/kg | 200  | --  |
| Isopropylbenzene                                                                              | ND     |           | ug/kg | 50   | --  |
| p-Isopropyltoluene                                                                            | ND     |           | ug/kg | 50   | --  |
| Naphthalene                                                                                   | ND     |           | ug/kg | 200  | --  |
| n-Propylbenzene                                                                               | ND     |           | ug/kg | 50   | --  |
| 1,2,3-Trichlorobenzene                                                                        | ND     |           | ug/kg | 100  | --  |
| 1,2,4-Trichlorobenzene                                                                        | ND     |           | ug/kg | 100  | --  |
| 1,3,5-Trimethylbenzene                                                                        | ND     |           | ug/kg | 100  | --  |
| 1,2,4-Trimethylbenzene                                                                        | ND     |           | ug/kg | 100  | --  |
| Diethyl ether                                                                                 | ND     |           | ug/kg | 100  | --  |
| Diisopropyl Ether                                                                             | ND     |           | ug/kg | 100  | --  |
| Ethyl-Tert-Butyl-Ether                                                                        | ND     |           | ug/kg | 100  | --  |
| Tertiary-Amyl Methyl Ether                                                                    | ND     |           | ug/kg | 100  | --  |
| 1,4-Dioxane                                                                                   | ND     |           | ug/kg | 4000 | --  |

| Surrogate             | %Recovery | Qualifier | Acceptance<br>Criteria |
|-----------------------|-----------|-----------|------------------------|
| 1,2-Dichloroethane-d4 | 110       |           | 70-130                 |
| Toluene-d8            | 100       |           | 70-130                 |
| 4-Bromofluorobenzene  | 102       |           | 70-130                 |
| Dibromofluoromethane  | 105       |           | 70-130                 |

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** TRURO DPW

**Project Number:** TRU250.P2

**Lab Number:** L2439394

**Report Date:** 07/26/24

| Parameter                                                                                                          | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03 Batch: WG1947586-3 WG1947586-4 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride                                                                                                 | 97               |      | 97                |      | 70-130              | 0   |      | 20            |
| 1,1-Dichloroethane                                                                                                 | 118              |      | 118               |      | 70-130              | 0   |      | 20            |
| Chloroform                                                                                                         | 114              |      | 113               |      | 70-130              | 1   |      | 20            |
| Carbon tetrachloride                                                                                               | 105              |      | 106               |      | 70-130              | 1   |      | 20            |
| 1,2-Dichloropropane                                                                                                | 114              |      | 114               |      | 70-130              | 0   |      | 20            |
| Dibromochloromethane                                                                                               | 103              |      | 102               |      | 70-130              | 1   |      | 20            |
| 1,1,2-Trichloroethane                                                                                              | 118              |      | 114               |      | 70-130              | 3   |      | 20            |
| Tetrachloroethene                                                                                                  | 105              |      | 105               |      | 70-130              | 0   |      | 20            |
| Chlorobenzene                                                                                                      | 110              |      | 108               |      | 70-130              | 2   |      | 20            |
| Trichlorofluoromethane                                                                                             | 105              |      | 103               |      | 70-130              | 2   |      | 20            |
| 1,2-Dichloroethane                                                                                                 | 114              |      | 113               |      | 70-130              | 1   |      | 20            |
| 1,1,1-Trichloroethane                                                                                              | 116              |      | 115               |      | 70-130              | 1   |      | 20            |
| Bromodichloromethane                                                                                               | 107              |      | 106               |      | 70-130              | 1   |      | 20            |
| trans-1,3-Dichloropropene                                                                                          | 126              |      | 122               |      | 70-130              | 3   |      | 20            |
| cis-1,3-Dichloropropene                                                                                            | 111              |      | 112               |      | 70-130              | 1   |      | 20            |
| 1,1-Dichloropropene                                                                                                | 114              |      | 114               |      | 70-130              | 0   |      | 20            |
| Bromoform                                                                                                          | 94               |      | 90                |      | 70-130              | 4   |      | 20            |
| 1,1,2,2-Tetrachloroethane                                                                                          | 116              |      | 115               |      | 70-130              | 1   |      | 20            |
| Benzene                                                                                                            | 114              |      | 114               |      | 70-130              | 0   |      | 20            |
| Toluene                                                                                                            | 112              |      | 111               |      | 70-130              | 1   |      | 20            |
| Ethylbenzene                                                                                                       | 118              |      | 116               |      | 70-130              | 2   |      | 20            |
| Chloromethane                                                                                                      | 108              |      | 109               |      | 70-130              | 1   |      | 20            |
| Bromomethane                                                                                                       | 94               |      | 95                |      | 70-130              | 1   |      | 20            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU250.P2

Lab Number: L2439394

Report Date: 07/26/24

| Parameter                                                                                                          | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03 Batch: WG1947586-3 WG1947586-4 |                  |      |                   |      |                     |     |      |               |
| Vinyl chloride                                                                                                     | 110              |      | 108               |      | 70-130              | 2   |      | 20            |
| Chloroethane                                                                                                       | 110              |      | 107               |      | 70-130              | 3   |      | 20            |
| 1,1-Dichloroethene                                                                                                 | 103              |      | 102               |      | 70-130              | 1   |      | 20            |
| trans-1,2-Dichloroethene                                                                                           | 104              |      | 113               |      | 70-130              | 8   |      | 20            |
| Trichloroethene                                                                                                    | 113              |      | 112               |      | 70-130              | 1   |      | 20            |
| 1,2-Dichlorobenzene                                                                                                | 111              |      | 110               |      | 70-130              | 1   |      | 20            |
| 1,3-Dichlorobenzene                                                                                                | 113              |      | 109               |      | 70-130              | 4   |      | 20            |
| 1,4-Dichlorobenzene                                                                                                | 111              |      | 110               |      | 70-130              | 1   |      | 20            |
| Methyl tert butyl ether                                                                                            | 105              |      | 140               | Q    | 70-130              | 29  | Q    | 20            |
| p/m-Xylene                                                                                                         | 114              |      | 111               |      | 70-130              | 3   |      | 20            |
| o-Xylene                                                                                                           | 109              |      | 109               |      | 70-130              | 0   |      | 20            |
| cis-1,2-Dichloroethene                                                                                             | 108              |      | 108               |      | 70-130              | 0   |      | 20            |
| Dibromomethane                                                                                                     | 105              |      | 107               |      | 70-130              | 2   |      | 20            |
| 1,2,3-Trichloropropane                                                                                             | 114              |      | 112               |      | 70-130              | 2   |      | 20            |
| Styrene                                                                                                            | 114              |      | 114               |      | 70-130              | 0   |      | 20            |
| Dichlorodifluoromethane                                                                                            | 102              |      | 101               |      | 70-130              | 1   |      | 20            |
| Acetone                                                                                                            | 102              |      | 98                |      | 70-130              | 4   |      | 20            |
| Carbon disulfide                                                                                                   | 104              |      | 102               |      | 70-130              | 2   |      | 20            |
| Methyl ethyl ketone                                                                                                | 106              |      | 107               |      | 70-130              | 1   |      | 20            |
| Methyl isobutyl ketone                                                                                             | 110              |      | 109               |      | 70-130              | 1   |      | 20            |
| 2-Hexanone                                                                                                         | 114              |      | 116               |      | 70-130              | 2   |      | 20            |
| Bromochloromethane                                                                                                 | 100              |      | 99                |      | 70-130              | 1   |      | 20            |
| Tetrahydrofuran                                                                                                    | 118              |      | 117               |      | 70-130              | 1   |      | 20            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU250.P2

Lab Number: L2439394

Report Date: 07/26/24

| Parameter                                                                                                          | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03 Batch: WG1947586-3 WG1947586-4 |                  |      |                   |      |                     |     |      |               |
| 2,2-Dichloropropane                                                                                                | 118              |      | 120               |      | 70-130              | 2   |      | 20            |
| 1,2-Dibromoethane                                                                                                  | 107              |      | 110               |      | 70-130              | 3   |      | 20            |
| 1,3-Dichloropropane                                                                                                | 120              |      | 118               |      | 70-130              | 2   |      | 20            |
| 1,1,1,2-Tetrachloroethane                                                                                          | 107              |      | 104               |      | 70-130              | 3   |      | 20            |
| Bromobenzene                                                                                                       | 106              |      | 104               |      | 70-130              | 2   |      | 20            |
| n-Butylbenzene                                                                                                     | 127              |      | 126               |      | 70-130              | 1   |      | 20            |
| sec-Butylbenzene                                                                                                   | 117              |      | 116               |      | 70-130              | 1   |      | 20            |
| tert-Butylbenzene                                                                                                  | 111              |      | 110               |      | 70-130              | 1   |      | 20            |
| o-Chlorotoluene                                                                                                    | 120              |      | 120               |      | 70-130              | 0   |      | 20            |
| p-Chlorotoluene                                                                                                    | 120              |      | 118               |      | 70-130              | 2   |      | 20            |
| 1,2-Dibromo-3-chloropropane                                                                                        | 93               |      | 97                |      | 70-130              | 4   |      | 20            |
| Hexachlorobutadiene                                                                                                | 94               |      | 97                |      | 70-130              | 3   |      | 20            |
| Isopropylbenzene                                                                                                   | 116              |      | 115               |      | 70-130              | 1   |      | 20            |
| p-Isopropyltoluene                                                                                                 | 115              |      | 113               |      | 70-130              | 2   |      | 20            |
| Naphthalene                                                                                                        | 106              |      | 108               |      | 70-130              | 2   |      | 20            |
| n-Propylbenzene                                                                                                    | 124              |      | 120               |      | 70-130              | 3   |      | 20            |
| 1,2,3-Trichlorobenzene                                                                                             | 102              |      | 102               |      | 70-130              | 0   |      | 20            |
| 1,2,4-Trichlorobenzene                                                                                             | 106              |      | 107               |      | 70-130              | 1   |      | 20            |
| 1,3,5-Trimethylbenzene                                                                                             | 117              |      | 114               |      | 70-130              | 3   |      | 20            |
| 1,2,4-Trimethylbenzene                                                                                             | 116              |      | 114               |      | 70-130              | 2   |      | 20            |
| Diethyl ether                                                                                                      | 116              |      | 114               |      | 70-130              | 2   |      | 20            |
| Diisopropyl Ether                                                                                                  | 121              |      | 122               |      | 70-130              | 1   |      | 20            |
| Ethyl-Tert-Butyl-Ether                                                                                             | 113              |      | 115               |      | 70-130              | 2   |      | 20            |

# **Lab Control Sample Analysis** Batch Quality Control

Project Name: TRURO DPW

Lab Number: L2439394

Project Number: TRU250.P2

Report Date: 07/26/24

| Parameter                                                                                                          | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03 Batch: WG1947586-3 WG1947586-4 |                  |      |                   |      |                     |     |      |               |
| Tertiary-Amyl Methyl Ether                                                                                         | 109              |      | 109               |      | 70-130              | 0   |      | 20            |
| 1,4-Dioxane                                                                                                        | 98               |      | 101               |      | 70-130              | 3   |      | 20            |

| Surrogate             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|-----------------------|------------------|------|-------------------|------|------------------------|
| 1,2-Dichloroethane-d4 | 109              |      | 110               |      | 70-130                 |
| Toluene-d8            | 104              |      | 103               |      | 70-130                 |
| 4-Bromofluorobenzene  | 104              |      | 104               |      | 70-130                 |
| Dibromofluoromethane  | 97               |      | 97                |      | 70-130                 |



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Lab Number: L2439394

Project Number: TRU250.P2

Report Date: 07/26/24

| Parameter                                                                                                        | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03 Batch: WG1948013-3 WG1948013-4 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride                                                                                               | 105              |      | 106               |      | 70-130              | 1   |      | 20            |
| 1,1-Dichloroethane                                                                                               | 106              |      | 107               |      | 70-130              | 1   |      | 20            |
| Chloroform                                                                                                       | 106              |      | 107               |      | 70-130              | 1   |      | 20            |
| Carbon tetrachloride                                                                                             | 102              |      | 103               |      | 70-130              | 1   |      | 20            |
| 1,2-Dichloropropane                                                                                              | 111              |      | 112               |      | 70-130              | 1   |      | 20            |
| Dibromochloromethane                                                                                             | 105              |      | 108               |      | 70-130              | 3   |      | 20            |
| 1,1,2-Trichloroethane                                                                                            | 103              |      | 106               |      | 70-130              | 3   |      | 20            |
| Tetrachloroethene                                                                                                | 92               |      | 93                |      | 70-130              | 1   |      | 20            |
| Chlorobenzene                                                                                                    | 99               |      | 101               |      | 70-130              | 2   |      | 20            |
| Trichlorofluoromethane                                                                                           | 108              |      | 109               |      | 70-130              | 1   |      | 20            |
| 1,2-Dichloroethane                                                                                               | 110              |      | 111               |      | 70-130              | 1   |      | 20            |
| 1,1,1-Trichloroethane                                                                                            | 103              |      | 104               |      | 70-130              | 1   |      | 20            |
| Bromodichloromethane                                                                                             | 112              |      | 114               |      | 70-130              | 2   |      | 20            |
| trans-1,3-Dichloropropene                                                                                        | 106              |      | 108               |      | 70-130              | 2   |      | 20            |
| cis-1,3-Dichloropropene                                                                                          | 114              |      | 116               |      | 70-130              | 2   |      | 20            |
| 1,1-Dichloropropene                                                                                              | 101              |      | 102               |      | 70-130              | 1   |      | 20            |
| Bromoform                                                                                                        | 101              |      | 104               |      | 70-130              | 3   |      | 20            |
| 1,1,2,2-Tetrachloroethane                                                                                        | 103              |      | 101               |      | 70-130              | 2   |      | 20            |
| Benzene                                                                                                          | 108              |      | 109               |      | 70-130              | 1   |      | 20            |
| Toluene                                                                                                          | 99               |      | 99                |      | 70-130              | 0   |      | 20            |
| Ethylbenzene                                                                                                     | 102              |      | 102               |      | 70-130              | 0   |      | 20            |
| Chloromethane                                                                                                    | 104              |      | 106               |      | 70-130              | 2   |      | 20            |
| Bromomethane                                                                                                     | 94               |      | 94                |      | 70-130              | 0   |      | 20            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU250.P2

Lab Number: L2439394

Report Date: 07/26/24

| Parameter                                                                                                        | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03 Batch: WG1948013-3 WG1948013-4 |                  |      |                   |      |                     |     |      |               |
| Vinyl chloride                                                                                                   | 122              |      | 124               |      | 70-130              | 2   |      | 20            |
| Chloroethane                                                                                                     | 105              |      | 106               |      | 70-130              | 1   |      | 20            |
| 1,1-Dichloroethene                                                                                               | 99               |      | 100               |      | 70-130              | 1   |      | 20            |
| trans-1,2-Dichloroethene                                                                                         | 102              |      | 102               |      | 70-130              | 0   |      | 20            |
| Trichloroethene                                                                                                  | 107              |      | 111               |      | 70-130              | 4   |      | 20            |
| 1,2-Dichlorobenzene                                                                                              | 98               |      | 98                |      | 70-130              | 0   |      | 20            |
| 1,3-Dichlorobenzene                                                                                              | 97               |      | 98                |      | 70-130              | 1   |      | 20            |
| 1,4-Dichlorobenzene                                                                                              | 98               |      | 98                |      | 70-130              | 0   |      | 20            |
| Methyl tert butyl ether                                                                                          | 125              |      | 127               |      | 70-130              | 2   |      | 20            |
| p/m-Xylene                                                                                                       | 101              |      | 102               |      | 70-130              | 1   |      | 20            |
| o-Xylene                                                                                                         | 100              |      | 103               |      | 70-130              | 3   |      | 20            |
| cis-1,2-Dichloroethene                                                                                           | 101              |      | 102               |      | 70-130              | 1   |      | 20            |
| Dibromomethane                                                                                                   | 112              |      | 116               |      | 70-130              | 4   |      | 20            |
| 1,2,3-Trichloropropane                                                                                           | 105              |      | 108               |      | 70-130              | 3   |      | 20            |
| Styrene                                                                                                          | 106              |      | 109               |      | 70-130              | 3   |      | 20            |
| Dichlorodifluoromethane                                                                                          | 95               |      | 96                |      | 70-130              | 1   |      | 20            |
| Acetone                                                                                                          | 149              | Q    | 154               | Q    | 70-130              | 3   |      | 20            |
| Carbon disulfide                                                                                                 | 91               |      | 92                |      | 70-130              | 1   |      | 20            |
| Methyl ethyl ketone                                                                                              | 144              | Q    | 149               | Q    | 70-130              | 3   |      | 20            |
| Methyl isobutyl ketone                                                                                           | 119              |      | 122               |      | 70-130              | 2   |      | 20            |
| 2-Hexanone                                                                                                       | 135              | Q    | 140               | Q    | 70-130              | 4   |      | 20            |
| Bromochloromethane                                                                                               | 110              |      | 112               |      | 70-130              | 2   |      | 20            |
| Tetrahydrofuran                                                                                                  | 152              | Q    | 156               | Q    | 70-130              | 3   |      | 20            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU250.P2

Lab Number: L2439394

Report Date: 07/26/24

| Parameter                                                                                                        | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03 Batch: WG1948013-3 WG1948013-4 |                  |      |                   |      |                     |     |      |               |
| 2,2-Dichloropropane                                                                                              | 105              |      | 105               |      | 70-130              | 0   |      | 20            |
| 1,2-Dibromoethane                                                                                                | 105              |      | 110               |      | 70-130              | 5   |      | 20            |
| 1,3-Dichloropropane                                                                                              | 105              |      | 107               |      | 70-130              | 2   |      | 20            |
| 1,1,1,2-Tetrachloroethane                                                                                        | 98               |      | 100               |      | 70-130              | 2   |      | 20            |
| Bromobenzene                                                                                                     | 97               |      | 97                |      | 70-130              | 0   |      | 20            |
| n-Butylbenzene                                                                                                   | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| sec-Butylbenzene                                                                                                 | 97               |      | 97                |      | 70-130              | 0   |      | 20            |
| tert-Butylbenzene                                                                                                | 94               |      | 95                |      | 70-130              | 1   |      | 20            |
| o-Chlorotoluene                                                                                                  | 97               |      | 96                |      | 70-130              | 1   |      | 20            |
| p-Chlorotoluene                                                                                                  | 96               |      | 96                |      | 70-130              | 0   |      | 20            |
| 1,2-Dibromo-3-chloropropane                                                                                      | 112              |      | 114               |      | 70-130              | 2   |      | 20            |
| Hexachlorobutadiene                                                                                              | 95               |      | 95                |      | 70-130              | 0   |      | 20            |
| Isopropylbenzene                                                                                                 | 98               |      | 97                |      | 70-130              | 1   |      | 20            |
| p-Isopropyltoluene                                                                                               | 97               |      | 97                |      | 70-130              | 0   |      | 20            |
| Naphthalene                                                                                                      | 112              |      | 116               |      | 70-130              | 4   |      | 20            |
| n-Propylbenzene                                                                                                  | 99               |      | 98                |      | 70-130              | 1   |      | 20            |
| 1,2,3-Trichlorobenzene                                                                                           | 120              |      | 125               |      | 70-130              | 4   |      | 20            |
| 1,2,4-Trichlorobenzene                                                                                           | 106              |      | 107               |      | 70-130              | 1   |      | 20            |
| 1,3,5-Trimethylbenzene                                                                                           | 97               |      | 97                |      | 70-130              | 0   |      | 20            |
| 1,2,4-Trimethylbenzene                                                                                           | 98               |      | 98                |      | 70-130              | 0   |      | 20            |
| Diethyl ether                                                                                                    | 122              |      | 125               |      | 70-130              | 2   |      | 20            |
| Diisopropyl Ether                                                                                                | 127              |      | 128               |      | 70-130              | 1   |      | 20            |
| Ethyl-Tert-Butyl-Ether                                                                                           | 113              |      | 115               |      | 70-130              | 2   |      | 20            |

# **Lab Control Sample Analysis** Batch Quality Control

Project Name: TRURO DPW

Lab Number: L2439394

Project Number: TRU250.P2

Report Date: 07/26/24

| Parameter                                                                                                        | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03 Batch: WG1948013-3 WG1948013-4 |                  |      |                   |      |                     |     |      |               |
| Tertiary-Amyl Methyl Ether                                                                                       | 110              |      | 113               |      | 70-130              | 3   |      | 20            |
| 1,4-Dioxane                                                                                                      | 94               |      | 106               |      | 70-130              | 12  |      | 20            |

| Surrogate             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|-----------------------|------------------|------|-------------------|------|------------------------|
| 1,2-Dichloroethane-d4 | 107              |      | 109               |      | 70-130                 |
| Toluene-d8            | 99               |      | 99                |      | 70-130                 |
| 4-Bromofluorobenzene  | 100              |      | 101               |      | 70-130                 |
| Dibromofluoromethane  | 107              |      | 107               |      | 70-130                 |

# SEMIVOLATILES

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439394  
**Report Date:** 07/26/24

**SAMPLE RESULTS**

**Lab ID:** L2439394-01  
**Client ID:** TP5-4-6-N  
**Sample Location:** TRURO, MA

**Date Collected:** 07/12/24 08:15  
**Date Received:** 07/12/24  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil  
**Analytical Method:** 141,8270E  
**Analytical Date:** 07/23/24 05:38  
**Analyst:** JG  
**Percent Solids:** 98%

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/22/24 13:30

| Parameter                                   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Semivolatile Organics - Westborough Lab |        |           |       |     |     |                 |
| Acenaphthene                                | ND     |           | ug/kg | 140 | --  | 1               |
| 1,2,4-Trichlorobenzene                      | ND     |           | ug/kg | 170 | --  | 1               |
| Hexachlorobenzene                           | ND     |           | ug/kg | 71  | --  | 1               |
| Bis(2-chloroethyl)ether                     | ND     |           | ug/kg | 71  | --  | 1               |
| 2-Chloronaphthalene                         | ND     |           | ug/kg | 170 | --  | 1               |
| 1,2-Dichlorobenzene                         | ND     |           | ug/kg | 170 | --  | 1               |
| 1,3-Dichlorobenzene                         | ND     |           | ug/kg | 170 | --  | 1               |
| 1,4-Dichlorobenzene                         | ND     |           | ug/kg | 71  | --  | 1               |
| 3,3'-Dichlorobenzidine                      | ND     |           | ug/kg | 170 | --  | 1               |
| 2,4-Dinitrotoluene                          | ND     |           | ug/kg | 71  | --  | 1               |
| 2,6-Dinitrotoluene                          | ND     |           | ug/kg | 170 | --  | 1               |
| Azobenzene                                  | ND     |           | ug/kg | 170 | --  | 1               |
| Fluoranthene                                | 1700   |           | ug/kg | 100 | --  | 1               |
| 4-Bromophenyl phenyl ether                  | ND     |           | ug/kg | 170 | --  | 1               |
| Bis(2-chloroisopropyl)ether                 | ND     |           | ug/kg | 71  | --  | 1               |
| Bis(2-chloroethoxy)methane                  | ND     |           | ug/kg | 180 | --  | 1               |
| Hexachlorobutadiene                         | ND     |           | ug/kg | 170 | --  | 1               |
| Hexachloroethane                            | ND     |           | ug/kg | 71  | --  | 1               |
| Isophorone                                  | ND     |           | ug/kg | 150 | --  | 1               |
| Naphthalene                                 | ND     |           | ug/kg | 170 | --  | 1               |
| Nitrobenzene                                | ND     |           | ug/kg | 150 | --  | 1               |
| Bis(2-ethylhexyl)phthalate                  | ND     |           | ug/kg | 170 | --  | 1               |
| Butyl benzyl phthalate                      | ND     |           | ug/kg | 170 | --  | 1               |
| Di-n-butylphthalate                         | ND     |           | ug/kg | 170 | --  | 1               |
| Di-n-octylphthalate                         | ND     |           | ug/kg | 170 | --  | 1               |
| Diethyl phthalate                           | ND     |           | ug/kg | 170 | --  | 1               |
| Dimethyl phthalate                          | ND     |           | ug/kg | 71  | --  | 1               |
| Benzo(a)anthracene                          | 530    |           | ug/kg | 100 | --  | 1               |

Project Name: TRURO DPW

Lab Number: L2439394

Project Number: TRU250.P2

Report Date: 07/26/24

## SAMPLE RESULTS

Lab ID: L2439394-01

Date Collected: 07/12/24 08:15

Client ID: TP5-4-6-N

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter                                   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Semivolatile Organics - Westborough Lab |        |           |       |     |     |                 |
| Benzo(a)pyrene                              | 620    |           | ug/kg | 140 | --  | 1               |
| Benzo(b)fluoranthene                        | 850    |           | ug/kg | 100 | --  | 1               |
| Benzo(k)fluoranthene                        | 310    |           | ug/kg | 100 | --  | 1               |
| Chrysene                                    | 670    |           | ug/kg | 100 | --  | 1               |
| Acenaphthylene                              | ND     |           | ug/kg | 140 | --  | 1               |
| Anthracene                                  | 170    |           | ug/kg | 100 | --  | 1               |
| Benzo(ghi)perylene                          | 460    |           | ug/kg | 140 | --  | 1               |
| Fluorene                                    | ND     |           | ug/kg | 170 | --  | 1               |
| Phenanthrene                                | 1200   |           | ug/kg | 100 | --  | 1               |
| Dibenzo(a,h)anthracene                      | 94     |           | ug/kg | 71  | --  | 1               |
| Indeno(1,2,3-cd)pyrene                      | 420    |           | ug/kg | 140 | --  | 1               |
| Pyrene                                      | 1300   |           | ug/kg | 100 | --  | 1               |
| Aniline                                     | ND     |           | ug/kg | 200 | --  | 1               |
| 4-Chloroaniline                             | ND     |           | ug/kg | 170 | --  | 1               |
| Dibenzofuran                                | ND     |           | ug/kg | 170 | --  | 1               |
| 2-Methylnaphthalene                         | ND     |           | ug/kg | 71  | --  | 1               |
| Acetophenone                                | ND     |           | ug/kg | 170 | --  | 1               |
| 2,4,6-Trichlorophenol                       | ND     |           | ug/kg | 71  | --  | 1               |
| 2-Chlorophenol                              | ND     |           | ug/kg | 71  | --  | 1               |
| 2,4-Dichlorophenol                          | ND     |           | ug/kg | 71  | --  | 1               |
| 2,4-Dimethylphenol                          | ND     |           | ug/kg | 71  | --  | 1               |
| 2-Nitrophenol                               | ND     |           | ug/kg | 360 | --  | 1               |
| 4-Nitrophenol                               | ND     |           | ug/kg | 240 | --  | 1               |
| 2,4-Dinitrophenol                           | ND     |           | ug/kg | 810 | --  | 1               |
| Pentachlorophenol                           | ND     |           | ug/kg | 340 | --  | 1               |
| Phenol                                      | ND     |           | ug/kg | 170 | --  | 1               |
| 2-Methylphenol                              | ND     |           | ug/kg | 170 | --  | 1               |
| 3-Methylphenol/4-Methylphenol               | ND     |           | ug/kg | 240 | --  | 1               |
| 2,4,5-Trichlorophenol                       | ND     |           | ug/kg | 170 | --  | 1               |
| Biphenyl                                    | ND     |           | ug/kg | 34  | --  | 1               |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439394  
**Report Date:** 07/26/24

**SAMPLE RESULTS**

**Lab ID:** L2439394-01  
**Client ID:** TP5-4-6-N  
**Sample Location:** TRURO, MA

**Date Collected:** 07/12/24 08:15  
**Date Received:** 07/12/24  
**Field Prep:** Not Specified

**Sample Depth:**

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

MCP Semivolatile Organics - Westborough Lab

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 52         |           | 30-130              |
| Phenol-d6            | 52         |           | 30-130              |
| Nitrobenzene-d5      | 51         |           | 30-130              |
| 2-Fluorobiphenyl     | 52         |           | 30-130              |
| 2,4,6-Tribromophenol | 55         |           | 30-130              |
| 4-Terphenyl-d14      | 52         |           | 30-130              |



Project Name: TRURO DPW

Lab Number: L2439394

Project Number: TRU250.P2

Report Date: 07/26/24

## SAMPLE RESULTS

Lab ID: L2439394-02

Date Collected: 07/12/24 08:15

Client ID: TP5-6-8-W

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 141,8270E

Extraction Date: 07/18/24 11:58

Analytical Date: 07/19/24 08:46

Analyst: LJJ

Percent Solids: 96%

| Parameter                                   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Semivolatile Organics - Westborough Lab |        |           |       |     |     |                 |
| Acenaphthene                                | ND     |           | ug/kg | 140 | --  | 1               |
| 1,2,4-Trichlorobenzene                      | ND     |           | ug/kg | 170 | --  | 1               |
| Hexachlorobenzene                           | ND     |           | ug/kg | 71  | --  | 1               |
| Bis(2-chloroethyl)ether                     | ND     |           | ug/kg | 71  | --  | 1               |
| 2-Chloronaphthalene                         | ND     |           | ug/kg | 170 | --  | 1               |
| 1,2-Dichlorobenzene                         | ND     |           | ug/kg | 170 | --  | 1               |
| 1,3-Dichlorobenzene                         | ND     |           | ug/kg | 170 | --  | 1               |
| 1,4-Dichlorobenzene                         | ND     |           | ug/kg | 71  | --  | 1               |
| 3,3'-Dichlorobenzidine                      | ND     |           | ug/kg | 170 | --  | 1               |
| 2,4-Dinitrotoluene                          | ND     |           | ug/kg | 71  | --  | 1               |
| 2,6-Dinitrotoluene                          | ND     |           | ug/kg | 170 | --  | 1               |
| Azobenzene                                  | ND     |           | ug/kg | 170 | --  | 1               |
| Fluoranthene                                | 1800   |           | ug/kg | 100 | --  | 1               |
| 4-Bromophenyl phenyl ether                  | ND     |           | ug/kg | 170 | --  | 1               |
| Bis(2-chloroisopropyl)ether                 | ND     |           | ug/kg | 71  | --  | 1               |
| Bis(2-chloroethoxy)methane                  | ND     |           | ug/kg | 180 | --  | 1               |
| Hexachlorobutadiene                         | ND     |           | ug/kg | 170 | --  | 1               |
| Hexachloroethane                            | ND     |           | ug/kg | 71  | --  | 1               |
| Isophorone                                  | ND     |           | ug/kg | 150 | --  | 1               |
| Naphthalene                                 | ND     |           | ug/kg | 170 | --  | 1               |
| Nitrobenzene                                | ND     |           | ug/kg | 150 | --  | 1               |
| Bis(2-ethylhexyl)phthalate                  | ND     |           | ug/kg | 170 | --  | 1               |
| Butyl benzyl phthalate                      | ND     |           | ug/kg | 170 | --  | 1               |
| Di-n-butylphthalate                         | ND     |           | ug/kg | 170 | --  | 1               |
| Di-n-octylphthalate                         | ND     |           | ug/kg | 170 | --  | 1               |
| Diethyl phthalate                           | ND     |           | ug/kg | 170 | --  | 1               |
| Dimethyl phthalate                          | ND     |           | ug/kg | 71  | --  | 1               |
| Benzo(a)anthracene                          | 670    |           | ug/kg | 100 | --  | 1               |

Project Name: TRURO DPW

Lab Number: L2439394

Project Number: TRU250.P2

Report Date: 07/26/24

## SAMPLE RESULTS

Lab ID: L2439394-02

Date Collected: 07/12/24 08:15

Client ID: TP5-6-8-W

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter                                   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Semivolatile Organics - Westborough Lab |        |           |       |     |     |                 |
| Benzo(a)pyrene                              | 680    |           | ug/kg | 140 | --  | 1               |
| Benzo(b)fluoranthene                        | 960    |           | ug/kg | 100 | --  | 1               |
| Benzo(k)fluoranthene                        | 270    |           | ug/kg | 100 | --  | 1               |
| Chrysene                                    | 820    |           | ug/kg | 100 | --  | 1               |
| Acenaphthylene                              | 290    |           | ug/kg | 140 | --  | 1               |
| Anthracene                                  | 330    |           | ug/kg | 100 | --  | 1               |
| Benzo(ghi)perylene                          | 450    |           | ug/kg | 140 | --  | 1               |
| Fluorene                                    | ND     |           | ug/kg | 170 | --  | 1               |
| Phenanthrene                                | 1200   |           | ug/kg | 100 | --  | 1               |
| Dibenzo(a,h)anthracene                      | 120    |           | ug/kg | 71  | --  | 1               |
| Indeno(1,2,3-cd)pyrene                      | 420    |           | ug/kg | 140 | --  | 1               |
| Pyrene                                      | 1500   |           | ug/kg | 100 | --  | 1               |
| Aniline                                     | ND     |           | ug/kg | 200 | --  | 1               |
| 4-Chloroaniline                             | ND     |           | ug/kg | 170 | --  | 1               |
| Dibenzofuran                                | ND     |           | ug/kg | 170 | --  | 1               |
| 2-Methylnaphthalene                         | ND     |           | ug/kg | 71  | --  | 1               |
| Acetophenone                                | ND     |           | ug/kg | 170 | --  | 1               |
| 2,4,6-Trichlorophenol                       | ND     |           | ug/kg | 71  | --  | 1               |
| 2-Chlorophenol                              | ND     |           | ug/kg | 71  | --  | 1               |
| 2,4-Dichlorophenol                          | ND     |           | ug/kg | 71  | --  | 1               |
| 2,4-Dimethylphenol                          | ND     |           | ug/kg | 71  | --  | 1               |
| 2-Nitrophenol                               | ND     |           | ug/kg | 360 | --  | 1               |
| 4-Nitrophenol                               | ND     |           | ug/kg | 240 | --  | 1               |
| 2,4-Dinitrophenol                           | ND     |           | ug/kg | 810 | --  | 1               |
| Pentachlorophenol                           | ND     |           | ug/kg | 340 | --  | 1               |
| Phenol                                      | ND     |           | ug/kg | 170 | --  | 1               |
| 2-Methylphenol                              | ND     |           | ug/kg | 170 | --  | 1               |
| 3-Methylphenol/4-Methylphenol               | ND     |           | ug/kg | 240 | --  | 1               |
| 2,4,5-Trichlorophenol                       | ND     |           | ug/kg | 170 | --  | 1               |
| Biphenyl                                    | ND     |           | ug/kg | 34  | --  | 1               |

**Project Name:** TRURO DPW**Lab Number:** L2439394**Project Number:** TRU250.P2**Report Date:** 07/26/24**SAMPLE RESULTS**

Lab ID: L2439394-02

Date Collected: 07/12/24 08:15

Client ID: TP5-6-8-W

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter                                   | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---------------------------------------------|--------|-----------|-------|----|-----|-----------------|
| MCP Semivolatile Organics - Westborough Lab |        |           |       |    |     |                 |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 70         |           | 30-130              |
| Phenol-d6            | 66         |           | 30-130              |
| Nitrobenzene-d5      | 60         |           | 30-130              |
| 2-Fluorobiphenyl     | 81         |           | 30-130              |
| 2,4,6-Tribromophenol | 86         |           | 30-130              |
| 4-Terphenyl-d14      | 74         |           | 30-130              |

Project Name: TRURO DPW

Lab Number: L2439394

Project Number: TRU250.P2

Report Date: 07/26/24

## SAMPLE RESULTS

Lab ID: L2439394-03

Date Collected: 07/11/24 12:30

Client ID: TP5-6-8S

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 141,8270E

Extraction Date: 07/22/24 13:30

Analytical Date: 07/23/24 05:15

Analyst: JG

Percent Solids: 96%

| Parameter                                   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Semivolatile Organics - Westborough Lab |        |           |       |     |     |                 |
| Acenaphthene                                | ND     |           | ug/kg | 140 | --  | 1               |
| 1,2,4-Trichlorobenzene                      | ND     |           | ug/kg | 170 | --  | 1               |
| Hexachlorobenzene                           | ND     |           | ug/kg | 72  | --  | 1               |
| Bis(2-chloroethyl)ether                     | ND     |           | ug/kg | 72  | --  | 1               |
| 2-Chloronaphthalene                         | ND     |           | ug/kg | 170 | --  | 1               |
| 1,2-Dichlorobenzene                         | ND     |           | ug/kg | 170 | --  | 1               |
| 1,3-Dichlorobenzene                         | ND     |           | ug/kg | 170 | --  | 1               |
| 1,4-Dichlorobenzene                         | ND     |           | ug/kg | 72  | --  | 1               |
| 3,3'-Dichlorobenzidine                      | ND     |           | ug/kg | 170 | --  | 1               |
| 2,4-Dinitrotoluene                          | ND     |           | ug/kg | 72  | --  | 1               |
| 2,6-Dinitrotoluene                          | ND     |           | ug/kg | 170 | --  | 1               |
| Azobenzene                                  | ND     |           | ug/kg | 170 | --  | 1               |
| Fluoranthene                                | 340    |           | ug/kg | 100 | --  | 1               |
| 4-Bromophenyl phenyl ether                  | ND     |           | ug/kg | 170 | --  | 1               |
| Bis(2-chloroisopropyl)ether                 | ND     |           | ug/kg | 72  | --  | 1               |
| Bis(2-chloroethoxy)methane                  | ND     |           | ug/kg | 180 | --  | 1               |
| Hexachlorobutadiene                         | ND     |           | ug/kg | 170 | --  | 1               |
| Hexachloroethane                            | ND     |           | ug/kg | 72  | --  | 1               |
| Isophorone                                  | ND     |           | ug/kg | 150 | --  | 1               |
| Naphthalene                                 | ND     |           | ug/kg | 170 | --  | 1               |
| Nitrobenzene                                | ND     |           | ug/kg | 150 | --  | 1               |
| Bis(2-ethylhexyl)phthalate                  | ND     |           | ug/kg | 170 | --  | 1               |
| Butyl benzyl phthalate                      | ND     |           | ug/kg | 170 | --  | 1               |
| Di-n-butylphthalate                         | ND     |           | ug/kg | 170 | --  | 1               |
| Di-n-octylphthalate                         | ND     |           | ug/kg | 170 | --  | 1               |
| Diethyl phthalate                           | ND     |           | ug/kg | 170 | --  | 1               |
| Dimethyl phthalate                          | ND     |           | ug/kg | 72  | --  | 1               |
| Benzo(a)anthracene                          | 120    |           | ug/kg | 100 | --  | 1               |

Project Name: TRURO DPW

Lab Number: L2439394

Project Number: TRU250.P2

Report Date: 07/26/24

## SAMPLE RESULTS

Lab ID: L2439394-03

Date Collected: 07/11/24 12:30

Client ID: TP5-6-8S

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter                                   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Semivolatile Organics - Westborough Lab |        |           |       |     |     |                 |
| Benzo(a)pyrene                              | ND     |           | ug/kg | 140 | --  | 1               |
| Benzo(b)fluoranthene                        | 190    |           | ug/kg | 100 | --  | 1               |
| Benzo(k)fluoranthene                        | ND     |           | ug/kg | 100 | --  | 1               |
| Chrysene                                    | 140    |           | ug/kg | 100 | --  | 1               |
| Acenaphthylene                              | ND     |           | ug/kg | 140 | --  | 1               |
| Anthracene                                  | ND     |           | ug/kg | 100 | --  | 1               |
| Benzo(ghi)perylene                          | ND     |           | ug/kg | 140 | --  | 1               |
| Fluorene                                    | ND     |           | ug/kg | 170 | --  | 1               |
| Phenanthrene                                | 190    |           | ug/kg | 100 | --  | 1               |
| Dibenzo(a,h)anthracene                      | ND     |           | ug/kg | 72  | --  | 1               |
| Indeno(1,2,3-cd)pyrene                      | ND     |           | ug/kg | 140 | --  | 1               |
| Pyrene                                      | 280    |           | ug/kg | 100 | --  | 1               |
| Aniline                                     | ND     |           | ug/kg | 200 | --  | 1               |
| 4-Chloroaniline                             | ND     |           | ug/kg | 170 | --  | 1               |
| Dibenzofuran                                | ND     |           | ug/kg | 170 | --  | 1               |
| 2-Methylnaphthalene                         | 79     |           | ug/kg | 72  | --  | 1               |
| Acetophenone                                | ND     |           | ug/kg | 170 | --  | 1               |
| 2,4,6-Trichlorophenol                       | ND     |           | ug/kg | 72  | --  | 1               |
| 2-Chlorophenol                              | ND     |           | ug/kg | 72  | --  | 1               |
| 2,4-Dichlorophenol                          | ND     |           | ug/kg | 72  | --  | 1               |
| 2,4-Dimethylphenol                          | ND     |           | ug/kg | 72  | --  | 1               |
| 2-Nitrophenol                               | ND     |           | ug/kg | 370 | --  | 1               |
| 4-Nitrophenol                               | ND     |           | ug/kg | 240 | --  | 1               |
| 2,4-Dinitrophenol                           | ND     |           | ug/kg | 820 | --  | 1               |
| Pentachlorophenol                           | ND     |           | ug/kg | 340 | --  | 1               |
| Phenol                                      | ND     |           | ug/kg | 170 | --  | 1               |
| 2-Methylphenol                              | ND     |           | ug/kg | 170 | --  | 1               |
| 3-Methylphenol/4-Methylphenol               | ND     |           | ug/kg | 250 | --  | 1               |
| 2,4,5-Trichlorophenol                       | ND     |           | ug/kg | 170 | --  | 1               |
| Biphenyl                                    | ND     |           | ug/kg | 34  | --  | 1               |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439394  
**Report Date:** 07/26/24

**SAMPLE RESULTS**

**Lab ID:** L2439394-03  
**Client ID:** TP5-6-8S  
**Sample Location:** TRURO, MA

**Date Collected:** 07/11/24 12:30  
**Date Received:** 07/12/24  
**Field Prep:** Not Specified

**Sample Depth:**

| Parameter                                   | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---------------------------------------------|--------|-----------|-------|----|-----|-----------------|
| MCP Semivolatile Organics - Westborough Lab |        |           |       |    |     |                 |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 59         |           | 30-130              |
| Phenol-d6            | 58         |           | 30-130              |
| Nitrobenzene-d5      | 57         |           | 30-130              |
| 2-Fluorobiphenyl     | 58         |           | 30-130              |
| 2,4,6-Tribromophenol | 60         |           | 30-130              |
| 4-Terphenyl-d14      | 59         |           | 30-130              |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439394  
**Report Date:** 07/26/24

### Method Blank Analysis Batch Quality Control

**Analytical Method:** 141,8270E  
**Analytical Date:** 07/19/24 00:51  
**Analyst:** LJG

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/18/24 11:58

| Parameter                                                                        | Result | Qualifier | Units | RL  | MDL |
|----------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| MCP Semivolatile Organics - Westborough Lab for sample(s): 02 Batch: WG1948542-1 |        |           |       |     |     |
| Acenaphthene                                                                     | ND     |           | ug/kg | 130 | --  |
| 1,2,4-Trichlorobenzene                                                           | ND     |           | ug/kg | 160 | --  |
| Hexachlorobenzene                                                                | ND     |           | ug/kg | 68  | --  |
| Bis(2-chloroethyl)ether                                                          | ND     |           | ug/kg | 68  | --  |
| 2-Chloronaphthalene                                                              | ND     |           | ug/kg | 160 | --  |
| 1,2-Dichlorobenzene                                                              | ND     |           | ug/kg | 160 | --  |
| 1,3-Dichlorobenzene                                                              | ND     |           | ug/kg | 160 | --  |
| 1,4-Dichlorobenzene                                                              | ND     |           | ug/kg | 68  | --  |
| 3,3'-Dichlorobenzidine                                                           | ND     |           | ug/kg | 160 | --  |
| 2,4-Dinitrotoluene                                                               | ND     |           | ug/kg | 68  | --  |
| 2,6-Dinitrotoluene                                                               | ND     |           | ug/kg | 160 | --  |
| Azobenzene                                                                       | ND     |           | ug/kg | 160 | --  |
| Fluoranthene                                                                     | ND     |           | ug/kg | 98  | --  |
| 4-Bromophenyl phenyl ether                                                       | ND     |           | ug/kg | 160 | --  |
| Bis(2-chloroisopropyl)ether                                                      | ND     |           | ug/kg | 68  | --  |
| Bis(2-chloroethoxy)methane                                                       | ND     |           | ug/kg | 180 | --  |
| Hexachlorobutadiene                                                              | ND     |           | ug/kg | 160 | --  |
| Hexachloroethane                                                                 | ND     |           | ug/kg | 68  | --  |
| Isophorone                                                                       | ND     |           | ug/kg | 150 | --  |
| Naphthalene                                                                      | ND     |           | ug/kg | 160 | --  |
| Nitrobenzene                                                                     | ND     |           | ug/kg | 150 | --  |
| Bis(2-ethylhexyl)phthalate                                                       | ND     |           | ug/kg | 160 | --  |
| Butyl benzyl phthalate                                                           | ND     |           | ug/kg | 160 | --  |
| Di-n-butylphthalate                                                              | ND     |           | ug/kg | 160 | --  |
| Di-n-octylphthalate                                                              | ND     |           | ug/kg | 160 | --  |
| Diethyl phthalate                                                                | ND     |           | ug/kg | 160 | --  |
| Dimethyl phthalate                                                               | ND     |           | ug/kg | 68  | --  |
| Benzo(a)anthracene                                                               | ND     |           | ug/kg | 98  | --  |
| Benzo(a)pyrene                                                                   | ND     |           | ug/kg | 130 | --  |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439394  
**Report Date:** 07/26/24

### Method Blank Analysis Batch Quality Control

**Analytical Method:** 141,8270E  
**Analytical Date:** 07/19/24 00:51  
**Analyst:** LJG

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/18/24 11:58

| Parameter                                                                        | Result | Qualifier | Units | RL  | MDL |
|----------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| MCP Semivolatile Organics - Westborough Lab for sample(s): 02 Batch: WG1948542-1 |        |           |       |     |     |
| Benzo(b)fluoranthene                                                             | ND     |           | ug/kg | 98  | --  |
| Benzo(k)fluoranthene                                                             | ND     |           | ug/kg | 98  | --  |
| Chrysene                                                                         | ND     |           | ug/kg | 98  | --  |
| Acenaphthylene                                                                   | ND     |           | ug/kg | 130 | --  |
| Anthracene                                                                       | ND     |           | ug/kg | 98  | --  |
| Benzo(ghi)perylene                                                               | ND     |           | ug/kg | 130 | --  |
| Fluorene                                                                         | ND     |           | ug/kg | 160 | --  |
| Phenanthrene                                                                     | ND     |           | ug/kg | 98  | --  |
| Dibenzo(a,h)anthracene                                                           | ND     |           | ug/kg | 68  | --  |
| Indeno(1,2,3-cd)pyrene                                                           | ND     |           | ug/kg | 130 | --  |
| Pyrene                                                                           | ND     |           | ug/kg | 98  | --  |
| Aniline                                                                          | ND     |           | ug/kg | 200 | --  |
| 4-Chloroaniline                                                                  | ND     |           | ug/kg | 160 | --  |
| Dibenzofuran                                                                     | ND     |           | ug/kg | 160 | --  |
| 2-Methylnaphthalene                                                              | ND     |           | ug/kg | 68  | --  |
| Acetophenone                                                                     | ND     |           | ug/kg | 160 | --  |
| 2,4,6-Trichlorophenol                                                            | ND     |           | ug/kg | 68  | --  |
| 2-Chlorophenol                                                                   | ND     |           | ug/kg | 68  | --  |
| 2,4-Dichlorophenol                                                               | ND     |           | ug/kg | 68  | --  |
| 2,4-Dimethylphenol                                                               | ND     |           | ug/kg | 68  | --  |
| 2-Nitrophenol                                                                    | ND     |           | ug/kg | 350 | --  |
| 4-Nitrophenol                                                                    | ND     |           | ug/kg | 230 | --  |
| 2,4-Dinitrophenol                                                                | ND     |           | ug/kg | 780 | --  |
| Pentachlorophenol                                                                | ND     |           | ug/kg | 320 | --  |
| Phenol                                                                           | ND     |           | ug/kg | 160 | --  |
| 2-Methylphenol                                                                   | ND     |           | ug/kg | 160 | --  |
| 3-Methylphenol/4-Methylphenol                                                    | ND     |           | ug/kg | 230 | --  |
| 2,4,5-Trichlorophenol                                                            | ND     |           | ug/kg | 160 | --  |
| Biphenyl                                                                         | ND     |           | ug/kg | 32  | --  |



**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439394  
**Report Date:** 07/26/24

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 141,8270E  
 Analytical Date: 07/19/24 00:51  
 Analyst: LJG

Extraction Method: EPA 3546  
 Extraction Date: 07/18/24 11:58

| Parameter                                                                        | Result | Qualifier | Units | RL | MDL |
|----------------------------------------------------------------------------------|--------|-----------|-------|----|-----|
| MCP Semivolatile Organics - Westborough Lab for sample(s): 02 Batch: WG1948542-1 |        |           |       |    |     |

| Surrogate            | %Recovery | Qualifier | Acceptance<br>Criteria |
|----------------------|-----------|-----------|------------------------|
| 2-Fluorophenol       | 85        |           | 30-130                 |
| Phenol-d6            | 84        |           | 30-130                 |
| Nitrobenzene-d5      | 79        |           | 30-130                 |
| 2-Fluorobiphenyl     | 92        |           | 30-130                 |
| 2,4,6-Tribromophenol | 103       |           | 30-130                 |
| 4-Terphenyl-d14      | 98        |           | 30-130                 |

Project Name: TRURO DPW

Project Number: TRU250.P2

Lab Number: L2439394

Report Date: 07/26/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 141,8270E  
 Analytical Date: 07/23/24 00:55  
 Analyst: JG

Extraction Method: EPA 3546  
 Extraction Date: 07/22/24 13:30

| Parameter                                                                           | Result | Qualifier | Units | RL  | MDL |
|-------------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| MCP Semivolatile Organics - Westborough Lab for sample(s): 01,03 Batch: WG1949828-1 |        |           |       |     |     |
| Acenaphthene                                                                        | ND     |           | ug/kg | 130 | --  |
| 1,2,4-Trichlorobenzene                                                              | ND     |           | ug/kg | 160 | --  |
| Hexachlorobenzene                                                                   | ND     |           | ug/kg | 69  | --  |
| Bis(2-chloroethyl)ether                                                             | ND     |           | ug/kg | 69  | --  |
| 2-Chloronaphthalene                                                                 | ND     |           | ug/kg | 160 | --  |
| 1,2-Dichlorobenzene                                                                 | ND     |           | ug/kg | 160 | --  |
| 1,3-Dichlorobenzene                                                                 | ND     |           | ug/kg | 160 | --  |
| 1,4-Dichlorobenzene                                                                 | ND     |           | ug/kg | 69  | --  |
| 3,3'-Dichlorobenzidine                                                              | ND     |           | ug/kg | 160 | --  |
| 2,4-Dinitrotoluene                                                                  | ND     |           | ug/kg | 69  | --  |
| 2,6-Dinitrotoluene                                                                  | ND     |           | ug/kg | 160 | --  |
| Azobenzene                                                                          | ND     |           | ug/kg | 160 | --  |
| Fluoranthene                                                                        | ND     |           | ug/kg | 99  | --  |
| 4-Bromophenyl phenyl ether                                                          | ND     |           | ug/kg | 160 | --  |
| Bis(2-chloroisopropyl)ether                                                         | ND     |           | ug/kg | 69  | --  |
| Bis(2-chloroethoxy)methane                                                          | ND     |           | ug/kg | 180 | --  |
| Hexachlorobutadiene                                                                 | ND     |           | ug/kg | 160 | --  |
| Hexachloroethane                                                                    | ND     |           | ug/kg | 69  | --  |
| Isophorone                                                                          | ND     |           | ug/kg | 150 | --  |
| Naphthalene                                                                         | ND     |           | ug/kg | 160 | --  |
| Nitrobenzene                                                                        | ND     |           | ug/kg | 150 | --  |
| Bis(2-ethylhexyl)phthalate                                                          | ND     |           | ug/kg | 160 | --  |
| Butyl benzyl phthalate                                                              | ND     |           | ug/kg | 160 | --  |
| Di-n-butylphthalate                                                                 | ND     |           | ug/kg | 160 | --  |
| Di-n-octylphthalate                                                                 | ND     |           | ug/kg | 160 | --  |
| Diethyl phthalate                                                                   | ND     |           | ug/kg | 160 | --  |
| Dimethyl phthalate                                                                  | ND     |           | ug/kg | 69  | --  |
| Benzo(a)anthracene                                                                  | ND     |           | ug/kg | 99  | --  |
| Benzo(a)pyrene                                                                      | ND     |           | ug/kg | 130 | --  |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439394  
**Report Date:** 07/26/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 141,8270E  
 Analytical Date: 07/23/24 00:55  
 Analyst: JG

Extraction Method: EPA 3546  
 Extraction Date: 07/22/24 13:30

| Parameter                                                                           | Result | Qualifier | Units | RL  | MDL |
|-------------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| MCP Semivolatile Organics - Westborough Lab for sample(s): 01,03 Batch: WG1949828-1 |        |           |       |     |     |
| Benzo(b)fluoranthene                                                                | ND     |           | ug/kg | 99  | --  |
| Benzo(k)fluoranthene                                                                | ND     |           | ug/kg | 99  | --  |
| Chrysene                                                                            | ND     |           | ug/kg | 99  | --  |
| Acenaphthylene                                                                      | ND     |           | ug/kg | 130 | --  |
| Anthracene                                                                          | ND     |           | ug/kg | 99  | --  |
| Benzo(ghi)perylene                                                                  | ND     |           | ug/kg | 130 | --  |
| Fluorene                                                                            | ND     |           | ug/kg | 160 | --  |
| Phenanthrene                                                                        | ND     |           | ug/kg | 99  | --  |
| Dibenzo(a,h)anthracene                                                              | ND     |           | ug/kg | 69  | --  |
| Indeno(1,2,3-cd)pyrene                                                              | ND     |           | ug/kg | 130 | --  |
| Pyrene                                                                              | ND     |           | ug/kg | 99  | --  |
| Aniline                                                                             | ND     |           | ug/kg | 200 | --  |
| 4-Chloroaniline                                                                     | ND     |           | ug/kg | 160 | --  |
| Dibenzofuran                                                                        | ND     |           | ug/kg | 160 | --  |
| 2-Methylnaphthalene                                                                 | ND     |           | ug/kg | 69  | --  |
| Acetophenone                                                                        | ND     |           | ug/kg | 160 | --  |
| 2,4,6-Trichlorophenol                                                               | ND     |           | ug/kg | 69  | --  |
| 2-Chlorophenol                                                                      | ND     |           | ug/kg | 69  | --  |
| 2,4-Dichlorophenol                                                                  | ND     |           | ug/kg | 69  | --  |
| 2,4-Dimethylphenol                                                                  | ND     |           | ug/kg | 69  | --  |
| 2-Nitrophenol                                                                       | ND     |           | ug/kg | 360 | --  |
| 4-Nitrophenol                                                                       | ND     |           | ug/kg | 230 | --  |
| 2,4-Dinitrophenol                                                                   | ND     |           | ug/kg | 790 | --  |
| Pentachlorophenol                                                                   | ND     |           | ug/kg | 330 | --  |
| Phenol                                                                              | ND     |           | ug/kg | 160 | --  |
| 2-Methylphenol                                                                      | ND     |           | ug/kg | 160 | --  |
| 3-Methylphenol/4-Methylphenol                                                       | ND     |           | ug/kg | 240 | --  |
| 2,4,5-Trichlorophenol                                                               | ND     |           | ug/kg | 160 | --  |
| Biphenyl                                                                            | ND     |           | ug/kg | 33  | --  |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439394  
**Report Date:** 07/26/24

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 141,8270E  
 Analytical Date: 07/23/24 00:55  
 Analyst: JG

Extraction Method: EPA 3546  
 Extraction Date: 07/22/24 13:30

| Parameter                                                                           | Result | Qualifier | Units | RL | MDL |
|-------------------------------------------------------------------------------------|--------|-----------|-------|----|-----|
| MCP Semivolatile Organics - Westborough Lab for sample(s): 01,03 Batch: WG1949828-1 |        |           |       |    |     |

| Surrogate            | %Recovery | Qualifier | Acceptance<br>Criteria |
|----------------------|-----------|-----------|------------------------|
| 2-Fluorophenol       | 54        |           | 30-130                 |
| Phenol-d6            | 52        |           | 30-130                 |
| Nitrobenzene-d5      | 49        |           | 30-130                 |
| 2-Fluorobiphenyl     | 52        |           | 30-130                 |
| 2,4,6-Tribromophenol | 44        |           | 30-130                 |
| 4-Terphenyl-d14      | 54        |           | 30-130                 |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU250.P2

Lab Number: L2439394

Report Date: 07/26/24

| Parameter                                                                                           | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Semivolatile Organics - Westborough Lab Associated sample(s): 02 Batch: WG1948542-2 WG1948542-3 |                  |      |                   |      |                     |     |      |               |
| Acenaphthene                                                                                        | 68               |      | 84                |      | 40-140              | 21  |      | 30            |
| 1,2,4-Trichlorobenzene                                                                              | 68               |      | 85                |      | 40-140              | 22  |      | 30            |
| Hexachlorobenzene                                                                                   | 75               |      | 95                |      | 40-140              | 24  |      | 30            |
| Bis(2-chloroethyl)ether                                                                             | 63               |      | 78                |      | 40-140              | 21  |      | 30            |
| 2-Chloronaphthalene                                                                                 | 72               |      | 89                |      | 40-140              | 21  |      | 30            |
| 1,2-Dichlorobenzene                                                                                 | 64               |      | 79                |      | 40-140              | 21  |      | 30            |
| 1,3-Dichlorobenzene                                                                                 | 62               |      | 77                |      | 40-140              | 22  |      | 30            |
| 1,4-Dichlorobenzene                                                                                 | 63               |      | 77                |      | 40-140              | 20  |      | 30            |
| 3,3'-Dichlorobenzidine                                                                              | 68               |      | 81                |      | 40-140              | 17  |      | 30            |
| 2,4-Dinitrotoluene                                                                                  | 79               |      | 100               |      | 40-140              | 23  |      | 30            |
| 2,6-Dinitrotoluene                                                                                  | 80               |      | 102               |      | 40-140              | 24  |      | 30            |
| Azobenzene                                                                                          | 64               |      | 80                |      | 40-140              | 22  |      | 30            |
| Fluoranthene                                                                                        | 71               |      | 88                |      | 40-140              | 21  |      | 30            |
| 4-Bromophenyl phenyl ether                                                                          | 74               |      | 93                |      | 40-140              | 23  |      | 30            |
| Bis(2-chloroisopropyl)ether                                                                         | 58               |      | 70                |      | 40-140              | 19  |      | 30            |
| Bis(2-chloroethoxy)methane                                                                          | 68               |      | 81                |      | 40-140              | 17  |      | 30            |
| Hexachlorobutadiene                                                                                 | 71               |      | 88                |      | 40-140              | 21  |      | 30            |
| Hexachloroethane                                                                                    | 65               |      | 77                |      | 40-140              | 17  |      | 30            |
| Isophorone                                                                                          | 66               |      | 81                |      | 40-140              | 20  |      | 30            |
| Naphthalene                                                                                         | 66               |      | 83                |      | 40-140              | 23  |      | 30            |
| Nitrobenzene                                                                                        | 63               |      | 80                |      | 40-140              | 24  |      | 30            |
| Bis(2-ethylhexyl)phthalate                                                                          | 74               |      | 90                |      | 40-140              | 20  |      | 30            |
| Butyl benzyl phthalate                                                                              | 74               |      | 92                |      | 40-140              | 22  |      | 30            |

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** TRURO DPW

**Project Number:** TRU250.P2

**Lab Number:** L2439394

**Report Date:** 07/26/24

| Parameter                                                                                           | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Semivolatile Organics - Westborough Lab Associated sample(s): 02 Batch: WG1948542-2 WG1948542-3 |                  |      |                   |      |                     |     |      |               |
| Di-n-butylphthalate                                                                                 | 72               |      | 88                |      | 40-140              | 20  |      | 30            |
| Di-n-octylphthalate                                                                                 | 74               |      | 91                |      | 40-140              | 21  |      | 30            |
| Diethyl phthalate                                                                                   | 71               |      | 88                |      | 40-140              | 21  |      | 30            |
| Dimethyl phthalate                                                                                  | 76               |      | 94                |      | 40-140              | 21  |      | 30            |
| Benzo(a)anthracene                                                                                  | 68               |      | 84                |      | 40-140              | 21  |      | 30            |
| Benzo(a)pyrene                                                                                      | 74               |      | 91                |      | 40-140              | 21  |      | 30            |
| Benzo(b)fluoranthene                                                                                | 72               |      | 87                |      | 40-140              | 19  |      | 30            |
| Benzo(k)fluoranthene                                                                                | 73               |      | 90                |      | 40-140              | 21  |      | 30            |
| Chrysene                                                                                            | 69               |      | 85                |      | 40-140              | 21  |      | 30            |
| Acenaphthylene                                                                                      | 72               |      | 89                |      | 40-140              | 21  |      | 30            |
| Anthracene                                                                                          | 70               |      | 87                |      | 40-140              | 22  |      | 30            |
| Benzo(ghi)perylene                                                                                  | 73               |      | 87                |      | 40-140              | 18  |      | 30            |
| Fluorene                                                                                            | 70               |      | 87                |      | 40-140              | 22  |      | 30            |
| Phenanthrene                                                                                        | 69               |      | 85                |      | 40-140              | 21  |      | 30            |
| Dibenzo(a,h)anthracene                                                                              | 74               |      | 89                |      | 40-140              | 18  |      | 30            |
| Indeno(1,2,3-cd)pyrene                                                                              | 74               |      | 88                |      | 40-140              | 17  |      | 30            |
| Pyrene                                                                                              | 70               |      | 88                |      | 40-140              | 23  |      | 30            |
| Aniline                                                                                             | 46               |      | 55                |      | 40-140              | 18  |      | 30            |
| 4-Chloroaniline                                                                                     | 60               |      | 74                |      | 40-140              | 21  |      | 30            |
| Dibenzofuran                                                                                        | 69               |      | 86                |      | 40-140              | 22  |      | 30            |
| 2-Methylnaphthalene                                                                                 | 70               |      | 89                |      | 40-140              | 24  |      | 30            |
| Acetophenone                                                                                        | 68               |      | 85                |      | 40-140              | 22  |      | 30            |
| 2,4,6-Trichlorophenol                                                                               | 77               |      | 95                |      | 30-130              | 21  |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU250.P2

Lab Number: L2439394

Report Date: 07/26/24

| Parameter                                                                                           | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Semivolatile Organics - Westborough Lab Associated sample(s): 02 Batch: WG1948542-2 WG1948542-3 |                  |      |                   |      |                     |     |      |               |
| 2-Chlorophenol                                                                                      | 69               |      | 85                |      | 30-130              | 21  |      | 30            |
| 2,4-Dichlorophenol                                                                                  | 74               |      | 90                |      | 30-130              | 20  |      | 30            |
| 2,4-Dimethylphenol                                                                                  | 59               |      | 72                |      | 30-130              | 20  |      | 30            |
| 2-Nitrophenol                                                                                       | 72               |      | 93                |      | 30-130              | 25  |      | 30            |
| 4-Nitrophenol                                                                                       | 73               |      | 90                |      | 30-130              | 21  |      | 30            |
| 2,4-Dinitrophenol                                                                                   | 66               |      | 82                |      | 30-130              | 22  |      | 30            |
| Pentachlorophenol                                                                                   | 79               |      | 99                |      | 30-130              | 22  |      | 30            |
| Phenol                                                                                              | 67               |      | 82                |      | 30-130              | 20  |      | 30            |
| 2-Methylphenol                                                                                      | 68               |      | 83                |      | 30-130              | 20  |      | 30            |
| 3-Methylphenol/4-Methylphenol                                                                       | 68               |      | 86                |      | 30-130              | 23  |      | 30            |
| 2,4,5-Trichlorophenol                                                                               | 80               |      | 98                |      | 30-130              | 20  |      | 30            |
| Biphenyl                                                                                            | 72               |      | 89                |      | 40-140              | 21  |      | 30            |

| Surrogate            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|----------------------|------------------|------|-------------------|------|------------------------|
| 2-Fluorophenol       | 69               |      | 86                |      | 30-130                 |
| Phenol-d6            | 69               |      | 85                |      | 30-130                 |
| Nitrobenzene-d5      | 64               |      | 81                |      | 30-130                 |
| 2-Fluorobiphenyl     | 74               |      | 92                |      | 30-130                 |
| 2,4,6-Tribromophenol | 84               |      | 103               |      | 30-130                 |
| 4-Terphenyl-d14      | 74               |      | 92                |      | 30-130                 |

# Lab Control Sample Analysis

## Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU250.P2

Lab Number: L2439394

Report Date: 07/26/24

| Parameter                                                                                              | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01,03 Batch: WG1949828-2 WG1949828-3 |                  |      |                   |      |                     |     |      |               |
| Acenaphthene                                                                                           | 66               |      | 82                |      | 40-140              | 22  |      | 30            |
| 1,2,4-Trichlorobenzene                                                                                 | 64               |      | 82                |      | 40-140              | 25  |      | 30            |
| Hexachlorobenzene                                                                                      | 60               |      | 77                |      | 40-140              | 25  |      | 30            |
| Bis(2-chloroethyl)ether                                                                                | 56               |      | 72                |      | 40-140              | 25  |      | 30            |
| 2-Chloronaphthalene                                                                                    | 64               |      | 82                |      | 40-140              | 25  |      | 30            |
| 1,2-Dichlorobenzene                                                                                    | 59               |      | 76                |      | 40-140              | 25  |      | 30            |
| 1,3-Dichlorobenzene                                                                                    | 59               |      | 76                |      | 40-140              | 25  |      | 30            |
| 1,4-Dichlorobenzene                                                                                    | 60               |      | 77                |      | 40-140              | 25  |      | 30            |
| 3,3'-Dichlorobenzidine                                                                                 | 68               |      | 83                |      | 40-140              | 20  |      | 30            |
| 2,4-Dinitrotoluene                                                                                     | 54               |      | 70                |      | 40-140              | 26  |      | 30            |
| 2,6-Dinitrotoluene                                                                                     | 51               |      | 73                |      | 40-140              | 35  | Q    | 30            |
| Azobenzene                                                                                             | 66               |      | 82                |      | 40-140              | 22  |      | 30            |
| Fluoranthene                                                                                           | 75               |      | 95                |      | 40-140              | 24  |      | 30            |
| 4-Bromophenyl phenyl ether                                                                             | 68               |      | 87                |      | 40-140              | 25  |      | 30            |
| Bis(2-chloroisopropyl)ether                                                                            | 30               | Q    | 34                | Q    | 40-140              | 13  |      | 30            |
| Bis(2-chloroethoxy)methane                                                                             | 59               |      | 75                |      | 40-140              | 24  |      | 30            |
| Hexachlorobutadiene                                                                                    | 67               |      | 86                |      | 40-140              | 25  |      | 30            |
| Hexachloroethane                                                                                       | 44               |      | 58                |      | 40-140              | 27  |      | 30            |
| Isophorone                                                                                             | 60               |      | 77                |      | 40-140              | 25  |      | 30            |
| Naphthalene                                                                                            | 64               |      | 82                |      | 40-140              | 25  |      | 30            |
| Nitrobenzene                                                                                           | 64               |      | 82                |      | 40-140              | 25  |      | 30            |
| Bis(2-ethylhexyl)phthalate                                                                             | 66               |      | 82                |      | 40-140              | 22  |      | 30            |
| Butyl benzyl phthalate                                                                                 | 70               |      | 88                |      | 40-140              | 23  |      | 30            |



# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** TRURO DPW

**Project Number:** TRU250.P2

**Lab Number:** L2439394

**Report Date:** 07/26/24

| Parameter                                                                                              | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01,03 Batch: WG1949828-2 WG1949828-3 |                  |      |                   |      |                     |     |      |               |
| Di-n-butylphthalate                                                                                    | 70               |      | 88                |      | 40-140              | 23  |      | 30            |
| Di-n-octylphthalate                                                                                    | 64               |      | 78                |      | 40-140              | 20  |      | 30            |
| Diethyl phthalate                                                                                      | 67               |      | 84                |      | 40-140              | 23  |      | 30            |
| Dimethyl phthalate                                                                                     | 63               |      | 83                |      | 40-140              | 27  |      | 30            |
| Benzo(a)anthracene                                                                                     | 67               |      | 84                |      | 40-140              | 23  |      | 30            |
| Benzo(a)pyrene                                                                                         | 59               |      | 72                |      | 40-140              | 20  |      | 30            |
| Benzo(b)fluoranthene                                                                                   | 57               |      | 75                |      | 40-140              | 27  |      | 30            |
| Benzo(k)fluoranthene                                                                                   | 64               |      | 72                |      | 40-140              | 12  |      | 30            |
| Chrysene                                                                                               | 67               |      | 85                |      | 40-140              | 24  |      | 30            |
| Acenaphthylene                                                                                         | 65               |      | 85                |      | 40-140              | 27  |      | 30            |
| Anthracene                                                                                             | 72               |      | 90                |      | 40-140              | 22  |      | 30            |
| Benzo(ghi)perylene                                                                                     | 62               |      | 77                |      | 40-140              | 22  |      | 30            |
| Fluorene                                                                                               | 70               |      | 87                |      | 40-140              | 22  |      | 30            |
| Phenanthrene                                                                                           | 70               |      | 87                |      | 40-140              | 22  |      | 30            |
| Dibenzo(a,h)anthracene                                                                                 | 63               |      | 78                |      | 40-140              | 21  |      | 30            |
| Indeno(1,2,3-cd)pyrene                                                                                 | 65               |      | 80                |      | 40-140              | 21  |      | 30            |
| Pyrene                                                                                                 | 76               |      | 95                |      | 40-140              | 22  |      | 30            |
| Aniline                                                                                                | 44               |      | 54                |      | 40-140              | 20  |      | 30            |
| 4-Chloroaniline                                                                                        | 60               |      | 72                |      | 40-140              | 18  |      | 30            |
| Dibenzofuran                                                                                           | 68               |      | 86                |      | 40-140              | 23  |      | 30            |
| 2-Methylnaphthalene                                                                                    | 65               |      | 85                |      | 40-140              | 27  |      | 30            |
| Acetophenone                                                                                           | 58               |      | 73                |      | 40-140              | 23  |      | 30            |
| 2,4,6-Trichlorophenol                                                                                  | 73               |      | 96                |      | 30-130              | 27  |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Lab Number: L2439394

Project Number: TRU250.P2

Report Date: 07/26/24

| Parameter                                                                                              | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01,03 Batch: WG1949828-2 WG1949828-3 |                  |      |                   |      |                     |     |      |               |
| 2-Chlorophenol                                                                                         | 66               |      | 86                |      | 30-130              | 26  |      | 30            |
| 2,4-Dichlorophenol                                                                                     | 70               |      | 91                |      | 30-130              | 26  |      | 30            |
| 2,4-Dimethylphenol                                                                                     | 56               |      | 70                |      | 30-130              | 22  |      | 30            |
| 2-Nitrophenol                                                                                          | 31               |      | 50                |      | 30-130              | 47  | Q    | 30            |
| 4-Nitrophenol                                                                                          | 54               |      | 68                |      | 30-130              | 23  |      | 30            |
| 2,4-Dinitrophenol                                                                                      | 10               | Q    | 13                | Q    | 30-130              | 26  |      | 30            |
| Pentachlorophenol                                                                                      | 62               |      | 78                |      | 30-130              | 23  |      | 30            |
| Phenol                                                                                                 | 63               |      | 81                |      | 30-130              | 25  |      | 30            |
| 2-Methylphenol                                                                                         | 66               |      | 84                |      | 30-130              | 24  |      | 30            |
| 3-Methylphenol/4-Methylphenol                                                                          | 66               |      | 86                |      | 30-130              | 26  |      | 30            |
| 2,4,5-Trichlorophenol                                                                                  | 77               |      | 98                |      | 30-130              | 24  |      | 30            |
| Biphenyl                                                                                               | 58               |      | 75                |      | 40-140              | 26  |      | 30            |

| Surrogate            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|----------------------|------------------|------|-------------------|------|------------------------|
| 2-Fluorophenol       | 66               |      | 83                |      | 30-130                 |
| Phenol-d6            | 63               |      | 80                |      | 30-130                 |
| Nitrobenzene-d5      | 65               |      | 84                |      | 30-130                 |
| 2-Fluorobiphenyl     | 66               |      | 85                |      | 30-130                 |
| 2,4,6-Tribromophenol | 61               |      | 77                |      | 30-130                 |
| 4-Terphenyl-d14      | 74               |      | 93                |      | 30-130                 |

# **PETROLEUM HYDROCARBONS**

**Project Name:** TRURO DPW**Lab Number:** L2439394**Project Number:** TRU250.P2**Report Date:** 07/26/24**SAMPLE RESULTS**

Lab ID: L2439394-01

Date Collected: 07/12/24 08:15

Client ID: TP5-4-6-N

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 131, VPH-18-2.1

Analytical Date: 07/16/24 15:40

Analyst: BAD

Percent Solids: 98%

Trap: EST, Carbopack B/Carboxen 1000&amp;1001

Analytical Column: Restek, RTX-502.2,  
105m, 0.53ID, 3um**Quality Control Information**

Condition of sample received:

Satisfactory

Sample Temperature upon receipt:

Received on Ice

Were samples received in methanol?

Yes (Covering the Soil)

Methanol ratio:

1:1 +/- 25%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

**Volatile Petroleum Hydrocarbons - Westborough Lab**

|                             |    |  |       |      |    |   |
|-----------------------------|----|--|-------|------|----|---|
| C5-C8 Aliphatics            | ND |  | mg/kg | 5.70 | -- | 1 |
| C9-C12 Aliphatics           | ND |  | mg/kg | 5.70 | -- | 1 |
| C9-C10 Aromatics            | ND |  | mg/kg | 5.70 | -- | 1 |
| C5-C8 Aliphatics, Adjusted  | ND |  | mg/kg | 5.70 | -- | 1 |
| C9-C12 Aliphatics, Adjusted | ND |  | mg/kg | 5.70 | -- | 1 |

| Surrogate              | % Recovery | Qualifier | Acceptance Criteria |
|------------------------|------------|-----------|---------------------|
| 2,5-Dibromotoluene-PID | 107        |           | 70-130              |
| 2,5-Dibromotoluene-FID | 109        |           | 70-130              |



**Project Name:** TRURO DPW**Lab Number:** L2439394**Project Number:** TRU250.P2**Report Date:** 07/26/24**SAMPLE RESULTS**

Lab ID: L2439394-01

Client ID: TP5-4-6-N

Sample Location: TRURO, MA

Date Collected: 07/12/24 08:15

Date Received: 07/12/24

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 135,EPH-19-2.1

Analytical Date: 07/17/24 12:32

Analyst: SBC

Percent Solids: 98%

Extraction Method: EPA 3546

Extraction Date: 07/15/24 08:25

Cleanup Method1: EPH-19-2.1

Cleanup Date1: 07/17/24

**Quality Control Information**

Condition of sample received:

Satisfactory

Sample Temperature upon receipt:

Received on Ice

Sample Extraction method:

Extracted Per the Method

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

**Extractable Petroleum Hydrocarbons - Westborough Lab**

|                             |      |  |       |       |    |   |
|-----------------------------|------|--|-------|-------|----|---|
| C9-C18 Aliphatics           | ND   |  | mg/kg | 6.75  | -- | 1 |
| C19-C36 Aliphatics          | 11.0 |  | mg/kg | 6.75  | -- | 1 |
| C11-C22 Aromatics           | 17.5 |  | mg/kg | 6.75  | -- | 1 |
| C11-C22 Aromatics, Adjusted | 17.5 |  | mg/kg | 6.75  | -- | 1 |
| Naphthalene                 | ND   |  | mg/kg | 0.338 | -- | 1 |
| 2-Methylnaphthalene         | ND   |  | mg/kg | 0.338 | -- | 1 |
| Acenaphthylene              | ND   |  | mg/kg | 0.338 | -- | 1 |
| Acenaphthene                | ND   |  | mg/kg | 0.338 | -- | 1 |
| Fluorene                    | ND   |  | mg/kg | 0.338 | -- | 1 |
| Phenanthrene                | ND   |  | mg/kg | 0.338 | -- | 1 |
| Anthracene                  | ND   |  | mg/kg | 0.338 | -- | 1 |
| Fluoranthene                | ND   |  | mg/kg | 0.338 | -- | 1 |
| Pyrene                      | ND   |  | mg/kg | 0.338 | -- | 1 |
| Benzo(a)anthracene          | ND   |  | mg/kg | 0.338 | -- | 1 |
| Chrysene                    | ND   |  | mg/kg | 0.338 | -- | 1 |
| Benzo(b)fluoranthene        | ND   |  | mg/kg | 0.338 | -- | 1 |
| Benzo(k)fluoranthene        | ND   |  | mg/kg | 0.338 | -- | 1 |
| Benzo(a)pyrene              | ND   |  | mg/kg | 0.338 | -- | 1 |
| Indeno(1,2,3-cd)Pyrene      | ND   |  | mg/kg | 0.338 | -- | 1 |
| Dibenzo(a,h)anthracene      | ND   |  | mg/kg | 0.338 | -- | 1 |
| Benzo(ghi)perylene          | ND   |  | mg/kg | 0.338 | -- | 1 |



Project Name: TRURO DPW

Lab Number: L2439394

Project Number: TRU250.P2

Report Date: 07/26/24

## SAMPLE RESULTS

Lab ID: L2439394-01

Date Collected: 07/12/24 08:15

Client ID: TP5-4-6-N

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

## Extractable Petroleum Hydrocarbons - Westborough Lab

| Surrogate          | % Recovery | Qualifier | Acceptance Criteria |
|--------------------|------------|-----------|---------------------|
| Chloro-Octadecane  | 65         |           | 40-140              |
| o-Terphenyl        | 65         |           | 40-140              |
| 2-Fluorobiphenyl   | 75         |           | 40-140              |
| 2-Bromonaphthalene | 77         |           | 40-140              |

**Project Name:** TRURO DPW**Lab Number:** L2439394**Project Number:** TRU250.P2**Report Date:** 07/26/24**SAMPLE RESULTS**

Lab ID: L2439394-02

Date Collected: 07/12/24 08:15

Client ID: TP5-6-8-W

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 131, VPH-18-2.1

Analytical Date: 07/16/24 16:18

Analyst: BAD

Percent Solids: 96%

Trap: EST, Carbopack B/Carboxen 1000&amp;1001

Analytical Column: Restek, RTX-502.2,  
105m, 0.53ID, 3um**Quality Control Information**

Condition of sample received:

Satisfactory

Sample Temperature upon receipt:

Received on Ice

Were samples received in methanol?

Yes (Covering the Soil)

Methanol ratio:

1:1 +/- 25%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

**Volatile Petroleum Hydrocarbons - Westborough Lab**

|                             |    |  |       |      |    |   |
|-----------------------------|----|--|-------|------|----|---|
| C5-C8 Aliphatics            | ND |  | mg/kg | 5.90 | -- | 1 |
| C9-C12 Aliphatics           | ND |  | mg/kg | 5.90 | -- | 1 |
| C9-C10 Aromatics            | ND |  | mg/kg | 5.90 | -- | 1 |
| C5-C8 Aliphatics, Adjusted  | ND |  | mg/kg | 5.90 | -- | 1 |
| C9-C12 Aliphatics, Adjusted | ND |  | mg/kg | 5.90 | -- | 1 |

| Surrogate              | % Recovery | Qualifier | Acceptance Criteria |
|------------------------|------------|-----------|---------------------|
| 2,5-Dibromotoluene-PID | 98         |           | 70-130              |
| 2,5-Dibromotoluene-FID | 99         |           | 70-130              |



**Project Name:** TRURO DPW**Lab Number:** L2439394**Project Number:** TRU250.P2**Report Date:** 07/26/24**SAMPLE RESULTS**

Lab ID: L2439394-02

Client ID: TP5-6-8-W

Sample Location: TRURO, MA

Date Collected: 07/12/24 08:15

Date Received: 07/12/24

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 135,EPH-19-2.1

Analytical Date: 07/17/24 13:22

Analyst: SBC

Percent Solids: 96%

Extraction Method: EPA 3546

Extraction Date: 07/15/24 08:25

Cleanup Method1: EPH-19-2.1

Cleanup Date1: 07/17/24

**Quality Control Information**

Condition of sample received:

Satisfactory

Sample Temperature upon receipt:

Received on Ice

Sample Extraction method:

Extracted Per the Method

| Parameter                                                   | Result | Qualifier | Units | RL    | MDL | Dilution Factor |
|-------------------------------------------------------------|--------|-----------|-------|-------|-----|-----------------|
| <b>Extractable Petroleum Hydrocarbons - Westborough Lab</b> |        |           |       |       |     |                 |
| C9-C18 Aliphatics                                           | ND     |           | mg/kg | 6.83  | --  | 1               |
| C19-C36 Aliphatics                                          | 20.6   |           | mg/kg | 6.83  | --  | 1               |
| C11-C22 Aromatics                                           | 23.6   |           | mg/kg | 6.83  | --  | 1               |
| C11-C22 Aromatics, Adjusted                                 | 19.5   |           | mg/kg | 6.83  | --  | 1               |
| Naphthalene                                                 | ND     |           | mg/kg | 0.341 | --  | 1               |
| 2-Methylnaphthalene                                         | ND     |           | mg/kg | 0.341 | --  | 1               |
| Acenaphthylene                                              | ND     |           | mg/kg | 0.341 | --  | 1               |
| Acenaphthene                                                | ND     |           | mg/kg | 0.341 | --  | 1               |
| Fluorene                                                    | ND     |           | mg/kg | 0.341 | --  | 1               |
| Phenanthrene                                                | 0.667  |           | mg/kg | 0.341 | --  | 1               |
| Anthracene                                                  | ND     |           | mg/kg | 0.341 | --  | 1               |
| Fluoranthene                                                | 1.12   |           | mg/kg | 0.341 | --  | 1               |
| Pyrene                                                      | 0.896  |           | mg/kg | 0.341 | --  | 1               |
| Benzo(a)anthracene                                          | ND     |           | mg/kg | 0.341 | --  | 1               |
| Chrysene                                                    | 0.504  |           | mg/kg | 0.341 | --  | 1               |
| Benzo(b)fluoranthene                                        | 0.510  |           | mg/kg | 0.341 | --  | 1               |
| Benzo(k)fluoranthene                                        | ND     |           | mg/kg | 0.341 | --  | 1               |
| Benzo(a)pyrene                                              | 0.399  |           | mg/kg | 0.341 | --  | 1               |
| Indeno(1,2,3-cd)Pyrene                                      | ND     |           | mg/kg | 0.341 | --  | 1               |
| Dibenzo(a,h)anthracene                                      | ND     |           | mg/kg | 0.341 | --  | 1               |
| Benzo(ghi)perylene                                          | ND     |           | mg/kg | 0.341 | --  | 1               |





Project Name: TRURO DPW

Lab Number: L2439394

Project Number: TRU250.P2

Report Date: 07/26/24

## SAMPLE RESULTS

Lab ID: L2439394-02

Date Collected: 07/12/24 08:15

Client ID: TP5-6-8-W

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

## Extractable Petroleum Hydrocarbons - Westborough Lab

| Surrogate          | % Recovery | Qualifier | Acceptance Criteria |
|--------------------|------------|-----------|---------------------|
| Chloro-Octadecane  | 62         |           | 40-140              |
| o-Terphenyl        | 60         |           | 40-140              |
| 2-Fluorobiphenyl   | 72         |           | 40-140              |
| 2-Bromonaphthalene | 74         |           | 40-140              |

**Project Name:** TRURO DPW**Lab Number:** L2439394**Project Number:** TRU250.P2**Report Date:** 07/26/24**SAMPLE RESULTS**

Lab ID: L2439394-03

Date Collected: 07/11/24 12:30

Client ID: TP5-6-8S

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 131, VPH-18-2.1

Analytical Date: 07/16/24 16:57

Analyst: BAD

Percent Solids: 96%

Trap: EST, Carbopack B/Carboxen 1000&amp;1001

Analytical Column: Restek, RTX-502.2,  
105m, 0.53ID, 3um**Quality Control Information**

Condition of sample received:

Satisfactory

Sample Temperature upon receipt:

Received on Ice

Were samples received in methanol?

Yes (Covering the Soil)

Methanol ratio:

1:1 +/- 25%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

**Volatile Petroleum Hydrocarbons - Westborough Lab**

|                             |      |  |       |      |    |   |
|-----------------------------|------|--|-------|------|----|---|
| C5-C8 Aliphatics            | ND   |  | mg/kg | 5.56 | -- | 1 |
| C9-C12 Aliphatics           | 11.1 |  | mg/kg | 5.56 | -- | 1 |
| C9-C10 Aromatics            | 6.20 |  | mg/kg | 5.56 | -- | 1 |
| C5-C8 Aliphatics, Adjusted  | ND   |  | mg/kg | 5.56 | -- | 1 |
| C9-C12 Aliphatics, Adjusted | ND   |  | mg/kg | 5.56 | -- | 1 |

| Surrogate              | % Recovery | Qualifier | Acceptance Criteria |
|------------------------|------------|-----------|---------------------|
| 2,5-Dibromotoluene-PID | 99         |           | 70-130              |
| 2,5-Dibromotoluene-FID | 98         |           | 70-130              |



**Project Name:** TRURO DPW**Lab Number:** L2439394**Project Number:** TRU250.P2**Report Date:** 07/26/24**SAMPLE RESULTS**

Lab ID: L2439394-03

Client ID: TP5-6-8S

Sample Location: TRURO, MA

Date Collected: 07/11/24 12:30

Date Received: 07/12/24

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 135,EPH-19-2.1

Analytical Date: 07/17/24 12:57

Analyst: SBC

Percent Solids: 96%

Extraction Method: EPA 3546

Extraction Date: 07/15/24 08:25

Cleanup Method1: EPH-19-2.1

Cleanup Date1: 07/17/24

**Quality Control Information**

Condition of sample received:

Satisfactory

Sample Temperature upon receipt:

Received on Ice

Sample Extraction method:

Extracted Per the Method

| Parameter                                                   | Result | Qualifier | Units | RL    | MDL | Dilution Factor |
|-------------------------------------------------------------|--------|-----------|-------|-------|-----|-----------------|
| <b>Extractable Petroleum Hydrocarbons - Westborough Lab</b> |        |           |       |       |     |                 |
| C9-C18 Aliphatics                                           | 12.6   |           | mg/kg | 6.82  | --  | 1               |
| C19-C36 Aliphatics                                          | 241    |           | mg/kg | 6.82  | --  | 1               |
| C11-C22 Aromatics                                           | 48.8   |           | mg/kg | 6.82  | --  | 1               |
| C11-C22 Aromatics, Adjusted                                 | 47.9   |           | mg/kg | 6.82  | --  | 1               |
| Naphthalene                                                 | ND     |           | mg/kg | 0.341 | --  | 1               |
| 2-Methylnaphthalene                                         | ND     |           | mg/kg | 0.341 | --  | 1               |
| Acenaphthylene                                              | ND     |           | mg/kg | 0.341 | --  | 1               |
| Acenaphthene                                                | ND     |           | mg/kg | 0.341 | --  | 1               |
| Fluorene                                                    | ND     |           | mg/kg | 0.341 | --  | 1               |
| Phenanthrene                                                | ND     |           | mg/kg | 0.341 | --  | 1               |
| Anthracene                                                  | ND     |           | mg/kg | 0.341 | --  | 1               |
| Fluoranthene                                                | 0.516  |           | mg/kg | 0.341 | --  | 1               |
| Pyrene                                                      | 0.396  |           | mg/kg | 0.341 | --  | 1               |
| Benzo(a)anthracene                                          | ND     |           | mg/kg | 0.341 | --  | 1               |
| Chrysene                                                    | ND     |           | mg/kg | 0.341 | --  | 1               |
| Benzo(b)fluoranthene                                        | ND     |           | mg/kg | 0.341 | --  | 1               |
| Benzo(k)fluoranthene                                        | ND     |           | mg/kg | 0.341 | --  | 1               |
| Benzo(a)pyrene                                              | ND     |           | mg/kg | 0.341 | --  | 1               |
| Indeno(1,2,3-cd)Pyrene                                      | ND     |           | mg/kg | 0.341 | --  | 1               |
| Dibenzo(a,h)anthracene                                      | ND     |           | mg/kg | 0.341 | --  | 1               |
| Benzo(ghi)perylene                                          | ND     |           | mg/kg | 0.341 | --  | 1               |



**Project Name:** TRURO DPW**Lab Number:** L2439394**Project Number:** TRU250.P2**Report Date:** 07/26/24**SAMPLE RESULTS**

Lab ID: L2439394-03

Date Collected: 07/11/24 12:30

Client ID: TP5-6-8S

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

**Extractable Petroleum Hydrocarbons - Westborough Lab**

| Surrogate          | % Recovery | Qualifier | Acceptance Criteria |
|--------------------|------------|-----------|---------------------|
| Chloro-Octadecane  | 70         |           | 40-140              |
| o-Terphenyl        | 74         |           | 40-140              |
| 2-Fluorobiphenyl   | 81         |           | 40-140              |
| 2-Bromonaphthalene | 84         |           | 40-140              |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439394  
**Report Date:** 07/26/24

### Method Blank Analysis Batch Quality Control

**Analytical Method:** 135,EPH-19-2.1  
**Analytical Date:** 07/15/24 08:44  
**Analyst:** CRE

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/14/24 12:02  
**Cleanup Method:** EPH-19-2.1  
**Cleanup Date:** 07/15/24

| Parameter                                                                                    | Result | Qualifier | Units | RL    | MDL |
|----------------------------------------------------------------------------------------------|--------|-----------|-------|-------|-----|
| Extractable Petroleum Hydrocarbons - Westborough Lab for sample(s): 01-03 Batch: WG1946766-1 |        |           |       |       |     |
| C9-C18 Aliphatics                                                                            | ND     |           | mg/kg | 6.51  | --  |
| C19-C36 Aliphatics                                                                           | ND     |           | mg/kg | 6.51  | --  |
| C11-C22 Aromatics                                                                            | ND     |           | mg/kg | 6.51  | --  |
| C11-C22 Aromatics, Adjusted                                                                  | ND     |           | mg/kg | 6.51  | --  |
| Naphthalene                                                                                  | ND     |           | mg/kg | 0.326 | --  |
| 2-Methylnaphthalene                                                                          | ND     |           | mg/kg | 0.326 | --  |
| Acenaphthylene                                                                               | ND     |           | mg/kg | 0.326 | --  |
| Acenaphthene                                                                                 | ND     |           | mg/kg | 0.326 | --  |
| Fluorene                                                                                     | ND     |           | mg/kg | 0.326 | --  |
| Phenanthrene                                                                                 | ND     |           | mg/kg | 0.326 | --  |
| Anthracene                                                                                   | ND     |           | mg/kg | 0.326 | --  |
| Fluoranthene                                                                                 | ND     |           | mg/kg | 0.326 | --  |
| Pyrene                                                                                       | ND     |           | mg/kg | 0.326 | --  |
| Benzo(a)anthracene                                                                           | ND     |           | mg/kg | 0.326 | --  |
| Chrysene                                                                                     | ND     |           | mg/kg | 0.326 | --  |
| Benzo(b)fluoranthene                                                                         | ND     |           | mg/kg | 0.326 | --  |
| Benzo(k)fluoranthene                                                                         | ND     |           | mg/kg | 0.326 | --  |
| Benzo(a)pyrene                                                                               | ND     |           | mg/kg | 0.326 | --  |
| Indeno(1,2,3-cd)Pyrene                                                                       | ND     |           | mg/kg | 0.326 | --  |
| Dibenzo(a,h)anthracene                                                                       | ND     |           | mg/kg | 0.326 | --  |
| Benzo(ghi)perylene                                                                           | ND     |           | mg/kg | 0.326 | --  |

| Surrogate          | %Recovery | Qualifier | Acceptance Criteria |
|--------------------|-----------|-----------|---------------------|
| Chloro-Octadecane  | 61        |           | 40-140              |
| o-Terphenyl        | 59        |           | 40-140              |
| 2-Fluorobiphenyl   | 65        |           | 40-140              |
| 2-Bromonaphthalene | 66        |           | 40-140              |



**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439394  
**Report Date:** 07/26/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 131, VPH-18-2.1  
 Analytical Date: 07/16/24 12:32  
 Analyst: BAD

| Parameter                                                                                 | Result | Qualifier | Units | RL   | MDL |
|-------------------------------------------------------------------------------------------|--------|-----------|-------|------|-----|
| Volatile Petroleum Hydrocarbons - Westborough Lab for sample(s): 01-03 Batch: WG1948009-4 |        |           |       |      |     |
| C5-C8 Aliphatics                                                                          | ND     |           | mg/kg | 5.00 | --  |
| C9-C12 Aliphatics                                                                         | ND     |           | mg/kg | 5.00 | --  |
| C9-C10 Aromatics                                                                          | ND     |           | mg/kg | 5.00 | --  |
| C5-C8 Aliphatics, Adjusted                                                                | ND     |           | mg/kg | 5.00 | --  |
| C9-C12 Aliphatics, Adjusted                                                               | ND     |           | mg/kg | 5.00 | --  |

| Surrogate              | %Recovery | Qualifier | Acceptance Criteria |
|------------------------|-----------|-----------|---------------------|
| 2,5-Dibromotoluene-PID | 101       |           | 70-130              |
| 2,5-Dibromotoluene-FID | 98        |           | 70-130              |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Lab Number: L2439394

Project Number: TRU250.P2

Report Date: 07/26/24

| Parameter                                                                                                       | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01-03 Batch: WG1946766-2 WG1946766-3 |                  |      |                   |      |                     |     |      |               |
| C9-C18 Aliphatics                                                                                               | 61               |      | 59                |      | 40-140              | 3   |      | 25            |
| C19-C36 Aliphatics                                                                                              | 78               |      | 76                |      | 40-140              | 3   |      | 25            |
| C11-C22 Aromatics                                                                                               | 70               |      | 61                |      | 40-140              | 14  |      | 25            |
| Naphthalene                                                                                                     | 65               |      | 56                |      | 40-140              | 15  |      | 25            |
| 2-Methylnaphthalene                                                                                             | 65               |      | 57                |      | 40-140              | 13  |      | 25            |
| Acenaphthylene                                                                                                  | 65               |      | 56                |      | 40-140              | 15  |      | 25            |
| Acenaphthene                                                                                                    | 67               |      | 58                |      | 40-140              | 14  |      | 25            |
| Fluorene                                                                                                        | 66               |      | 57                |      | 40-140              | 15  |      | 25            |
| Phenanthrene                                                                                                    | 64               |      | 56                |      | 40-140              | 13  |      | 25            |
| Anthracene                                                                                                      | 77               |      | 67                |      | 40-140              | 14  |      | 25            |
| Fluoranthene                                                                                                    | 64               |      | 55                |      | 40-140              | 15  |      | 25            |
| Pyrene                                                                                                          | 61               |      | 53                |      | 40-140              | 14  |      | 25            |
| Benzo(a)anthracene                                                                                              | 68               |      | 59                |      | 40-140              | 14  |      | 25            |
| Chrysene                                                                                                        | 66               |      | 57                |      | 40-140              | 15  |      | 25            |
| Benzo(b)fluoranthene                                                                                            | 65               |      | 57                |      | 40-140              | 13  |      | 25            |
| Benzo(k)fluoranthene                                                                                            | 64               |      | 56                |      | 40-140              | 13  |      | 25            |
| Benzo(a)pyrene                                                                                                  | 79               |      | 69                |      | 40-140              | 14  |      | 25            |
| Indeno(1,2,3-cd)Pyrene                                                                                          | 69               |      | 60                |      | 40-140              | 14  |      | 25            |
| Dibenzo(a,h)anthracene                                                                                          | 67               |      | 59                |      | 40-140              | 13  |      | 25            |
| Benzo(ghi)perylene                                                                                              | 63               |      | 55                |      | 40-140              | 14  |      | 25            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Lab Number: L2439394

Project Number: TRU250.P2

Report Date: 07/26/24

| Parameter                                                                                                       | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01-03 Batch: WG1946766-2 WG1946766-3 |                  |      |                   |      |                     |     |      |               |

| Surrogate                          | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|------------------------------------|------------------|------|-------------------|------|------------------------|
| Chloro-Octadecane                  | 66               |      | 64                |      | 40-140                 |
| o-Terphenyl                        | 65               |      | 57                |      | 40-140                 |
| 2-Fluorobiphenyl                   | 73               |      | 64                |      | 40-140                 |
| 2-Bromonaphthalene                 | 75               |      | 66                |      | 40-140                 |
| % Naphthalene Breakthrough         | 0                |      | 0                 |      |                        |
| % 2-Methylnaphthalene Breakthrough | 0                |      | 0                 |      |                        |



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU250.P2

Lab Number: L2439394

Report Date: 07/26/24

| Parameter                                                                                                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01-03 Batch: WG1948009-2 WG1948009-3 |                  |      |                   |      |                     |     |      |               |
| C5-C8 Aliphatics                                                                                             | 95               |      | 96                |      | 70-130              | 0   |      | 25            |
| C9-C12 Aliphatics                                                                                            | 92               |      | 92                |      | 70-130              | 1   |      | 25            |
| C9-C10 Aromatics                                                                                             | 84               |      | 82                |      | 70-130              | 3   |      | 25            |
| Benzene                                                                                                      | 87               |      | 86                |      | 70-130              | 1   |      | 25            |
| Toluene                                                                                                      | 86               |      | 84                |      | 70-130              | 2   |      | 25            |
| Ethylbenzene                                                                                                 | 86               |      | 85                |      | 70-130              | 1   |      | 25            |
| p/m-Xylene                                                                                                   | 88               |      | 86                |      | 70-130              | 2   |      | 25            |
| o-Xylene                                                                                                     | 86               |      | 83                |      | 70-130              | 3   |      | 25            |
| Methyl tert butyl ether                                                                                      | 102              |      | 97                |      | 70-130              | 5   |      | 25            |
| Naphthalene                                                                                                  | 96               |      | 88                |      | 70-130              | 9   |      | 25            |
| 1,2,4-Trimethylbenzene                                                                                       | 85               |      | 82                |      | 70-130              | 3   |      | 25            |
| Pentane                                                                                                      | 95               |      | 94                |      | 70-130              | 1   |      | 25            |
| 2-Methylpentane                                                                                              | 96               |      | 97                |      | 70-130              | 1   |      | 25            |
| 2,2,4-Trimethylpentane                                                                                       | 96               |      | 98                |      | 70-130              | 2   |      | 25            |
| n-Nonane                                                                                                     | 93               |      | 94                |      | 30-130              | 1   |      | 25            |
| n-Decane                                                                                                     | 91               |      | 92                |      | 70-130              | 1   |      | 25            |
| n-Butylcyclohexane                                                                                           | 91               |      | 91                |      | 70-130              | 0   |      | 25            |

| Surrogate              | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|------------------------|------------------|------|-------------------|------|------------------------|
| 2,5-Dibromotoluene-PID | 96               |      | 88                |      | 70-130                 |
| 2,5-Dibromotoluene-FID | 96               |      | 91                |      | 70-130                 |

# PCBS

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439394  
**Report Date:** 07/26/24

**SAMPLE RESULTS**

**Lab ID:** L2439394-03  
**Client ID:** TP5-6-8S  
**Sample Location:** TRURO, MA

**Date Collected:** 07/11/24 12:30  
**Date Received:** 07/12/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 97,8082A  
**Analytical Date:** 07/17/24 23:50  
**Analyst:** EMR  
**Percent Solids:** 96%

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/15/24 17:27  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 07/17/24  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 07/17/24

| Parameter                                       | Result | Qualifier | Units | RL   | MDL | Dilution Factor | Column |
|-------------------------------------------------|--------|-----------|-------|------|-----|-----------------|--------|
| MCP Polychlorinated Biphenyls - Westborough Lab |        |           |       |      |     |                 |        |
| Aroclor 1016                                    | ND     |           | ug/kg | 48.4 | --  | 1               | A      |
| Aroclor 1221                                    | ND     |           | ug/kg | 48.4 | --  | 1               | A      |
| Aroclor 1232                                    | ND     |           | ug/kg | 48.4 | --  | 1               | A      |
| Aroclor 1242                                    | ND     |           | ug/kg | 48.4 | --  | 1               | A      |
| Aroclor 1248                                    | ND     |           | ug/kg | 48.4 | --  | 1               | A      |
| Aroclor 1254                                    | ND     |           | ug/kg | 48.4 | --  | 1               | A      |
| Aroclor 1260                                    | ND     |           | ug/kg | 48.4 | --  | 1               | A      |
| Aroclor 1262                                    | ND     |           | ug/kg | 48.4 | --  | 1               | A      |
| Aroclor 1268                                    | ND     |           | ug/kg | 48.4 | --  | 1               | A      |
| PCBs, Total                                     | ND     |           | ug/kg | 48.4 | --  | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 78         |           | 30-150              | A      |
| Decachlorobiphenyl           | 80         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 81         |           | 30-150              | B      |
| Decachlorobiphenyl           | 85         |           | 30-150              | B      |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439394  
**Report Date:** 07/26/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 97,8082A  
 Analytical Date: 07/15/24 17:40  
 Analyst: EMR

Extraction Method: EPA 3546  
 Extraction Date: 07/14/24 20:19  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 07/15/24  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 07/15/24

| Parameter                                                                            | Result | Qualifier | Units | RL   | MDL | Column |
|--------------------------------------------------------------------------------------|--------|-----------|-------|------|-----|--------|
| MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 03 Batch: WG1946836-1 |        |           |       |      |     |        |
| Aroclor 1016                                                                         | ND     |           | ug/kg | 49.0 | --  | A      |
| Aroclor 1221                                                                         | ND     |           | ug/kg | 49.0 | --  | A      |
| Aroclor 1232                                                                         | ND     |           | ug/kg | 49.0 | --  | A      |
| Aroclor 1242                                                                         | ND     |           | ug/kg | 49.0 | --  | A      |
| Aroclor 1248                                                                         | ND     |           | ug/kg | 49.0 | --  | A      |
| Aroclor 1254                                                                         | ND     |           | ug/kg | 49.0 | --  | A      |
| Aroclor 1260                                                                         | ND     |           | ug/kg | 49.0 | --  | A      |
| Aroclor 1262                                                                         | ND     |           | ug/kg | 49.0 | --  | A      |
| Aroclor 1268                                                                         | ND     |           | ug/kg | 49.0 | --  | A      |
| PCBs, Total                                                                          | ND     |           | ug/kg | 49.0 | --  | A      |

| Surrogate                    | %Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|-----------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 72        |           | 30-150              | A      |
| Decachlorobiphenyl           | 81        |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 80        |           | 30-150              | B      |
| Decachlorobiphenyl           | 91        |           | 30-150              | B      |

# **Lab Control Sample Analysis** Batch Quality Control

Project Name: TRURO DPW

Lab Number: L2439394

Project Number: TRU250.P2

Report Date: 07/26/24

| Parameter                                                                                               | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|---------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 03 Batch: WG1946836-2 WG1946836-3 |                  |      |                   |      |                     |     |      |               |        |
| Aroclor 1016                                                                                            | 81               |      | 89                |      | 40-140              | 9   |      | 30            | A      |
| Aroclor 1260                                                                                            | 80               |      | 88                |      | 40-140              | 10  |      | 30            | A      |

| Surrogate                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria | Column |
|------------------------------|------------------|------|-------------------|------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 71               |      | 77                |      | 30-150                 | A      |
| Decachlorobiphenyl           | 85               |      | 89                |      | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 76               |      | 84                |      | 30-150                 | B      |
| Decachlorobiphenyl           | 92               |      | 97                |      | 30-150                 | B      |

# PESTICIDES

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439394  
**Report Date:** 07/26/24

**SAMPLE RESULTS**

**Lab ID:** L2439394-03  
**Client ID:** TP5-6-8S  
**Sample Location:** TRURO, MA

**Date Collected:** 07/11/24 12:30  
**Date Received:** 07/12/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 97,8081B  
**Analytical Date:** 07/17/24 19:12  
**Analyst:** JAG  
**Percent Solids:** 96%

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/15/24 14:40  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 07/17/24  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 07/17/24

| Parameter                                       | Result | Qualifier | Units | RL    | MDL | Dilution Factor | Column |
|-------------------------------------------------|--------|-----------|-------|-------|-----|-----------------|--------|
| MCP Organochlorine Pesticides - Westborough Lab |        |           |       |       |     |                 |        |
| Delta-BHC                                       | ND     |           | ug/kg | 1.65  | --  | 1               | A      |
| Lindane                                         | ND     |           | ug/kg | 0.551 | --  | 1               | A      |
| Alpha-BHC                                       | ND     |           | ug/kg | 0.689 | --  | 1               | A      |
| Beta-BHC                                        | ND     |           | ug/kg | 1.65  | --  | 1               | A      |
| Heptachlor                                      | ND     |           | ug/kg | 0.827 | --  | 1               | A      |
| Aldrin                                          | ND     |           | ug/kg | 1.65  | --  | 1               | A      |
| Heptachlor epoxide                              | ND     |           | ug/kg | 3.10  | --  | 1               | A      |
| Endrin                                          | ND     |           | ug/kg | 0.689 | --  | 1               | A      |
| Endrin ketone                                   | ND     |           | ug/kg | 1.65  | --  | 1               | A      |
| Dieldrin                                        | ND     |           | ug/kg | 1.03  | --  | 1               | A      |
| 4,4'-DDE                                        | 1.99   |           | ug/kg | 1.65  | --  | 1               | B      |
| 4,4'-DDD                                        | ND     |           | ug/kg | 1.65  | --  | 1               | A      |
| 4,4'-DDT                                        | 15.5   |           | ug/kg | 3.10  | --  | 1               | A      |
| Endosulfan I                                    | ND     |           | ug/kg | 1.65  | --  | 1               | A      |
| Endosulfan II                                   | ND     |           | ug/kg | 1.65  | --  | 1               | A      |
| Endosulfan sulfate                              | ND     |           | ug/kg | 0.689 | --  | 1               | A      |
| Methoxychlor                                    | ND     | IP        | ug/kg | 3.10  | --  | 1               | B      |
| Chlordane                                       | ND     |           | ug/kg | 13.8  | --  | 1               | A      |
| Hexachlorobenzene                               | ND     |           | ug/kg | 1.65  | --  | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 75         |           | 30-150              | A      |
| Decachlorobiphenyl           | 74         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 79         |           | 30-150              | B      |
| Decachlorobiphenyl           | 94         |           | 30-150              | B      |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439394  
**Report Date:** 07/26/24

**SAMPLE RESULTS**

**Lab ID:** L2439394-03  
**Client ID:** TP5-6-8S  
**Sample Location:** TRURO, MA

**Date Collected:** 07/11/24 12:30  
**Date Received:** 07/12/24  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil  
**Analytical Method:** 97,8151A  
**Analytical Date:** 07/15/24 21:41  
**Analyst:** EJJ  
**Percent Solids:** 96%  
**Methylation Date:** 07/15/24 02:30

**Extraction Method:** EPA 8151A  
**Extraction Date:** 07/13/24 16:52

| Parameter                                    | Result | Qualifier | Units | RL   | MDL | Dilution Factor | Column |
|----------------------------------------------|--------|-----------|-------|------|-----|-----------------|--------|
| MCP Chlorinated Herbicides - Westborough Lab |        |           |       |      |     |                 |        |
| MCPP                                         | ND     |           | ug/kg | 3400 | --  | 1               | A      |
| MCPA                                         | ND     |           | ug/kg | 3400 | --  | 1               | A      |
| Dalapon                                      | ND     |           | ug/kg | 34   | --  | 1               | A      |
| Dicamba                                      | ND     |           | ug/kg | 34   | --  | 1               | A      |
| Dichloroprop                                 | ND     |           | ug/kg | 34   | --  | 1               | A      |
| 2,4-D                                        | ND     |           | ug/kg | 34   | --  | 1               | A      |
| 2,4-DB                                       | ND     |           | ug/kg | 34   | --  | 1               | A      |
| 2,4,5-T                                      | ND     |           | ug/kg | 34   | --  | 1               | A      |
| 2,4,5-TP (Silvex)                            | ND     |           | ug/kg | 34   | --  | 1               | A      |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA      | 97         |           | 30-150              | A      |
| DCAA      | 79         |           | 30-150              | B      |



**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439394  
**Report Date:** 07/26/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 97,8151A  
 Analytical Date: 07/15/24 14:37  
 Analyst: MMG

Extraction Method: EPA 8151A  
 Extraction Date: 07/13/24 16:52

Methylation Date: 07/15/24 02:30

| Parameter                                                                         | Result | Qualifier | Units | RL   | MDL | Column |
|-----------------------------------------------------------------------------------|--------|-----------|-------|------|-----|--------|
| MCP Chlorinated Herbicides - Westborough Lab for sample(s): 03 Batch: WG1946674-1 |        |           |       |      |     |        |
| MCP                                                                               | ND     |           | ug/kg | 3300 | --  | A      |
| MCPA                                                                              | ND     |           | ug/kg | 3300 | --  | A      |
| Dalapon                                                                           | ND     |           | ug/kg | 33   | --  | A      |
| Dicamba                                                                           | ND     |           | ug/kg | 33   | --  | A      |
| Dichloroprop                                                                      | ND     |           | ug/kg | 33   | --  | A      |
| 2,4-D                                                                             | ND     |           | ug/kg | 33   | --  | A      |
| 2,4-DB                                                                            | ND     |           | ug/kg | 33   | --  | A      |
| 2,4,5-T                                                                           | ND     |           | ug/kg | 33   | --  | A      |
| 2,4,5-TP (Silvex)                                                                 | ND     |           | ug/kg | 33   | --  | A      |

| Surrogate | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|-----------|-----------|-----------|------------------------|--------|
| DCAA      | 103       |           | 30-150                 | A      |
| DCAA      | 84        |           | 30-150                 | B      |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439394  
**Report Date:** 07/26/24

### Method Blank Analysis Batch Quality Control

**Analytical Method:** 97,8081B  
**Analytical Date:** 07/17/24 17:20  
**Analyst:** JAG

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/15/24 14:40  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 07/17/24  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 07/17/24

| Parameter                                                                            | Result | Qualifier | Units | RL    | MDL | Column |
|--------------------------------------------------------------------------------------|--------|-----------|-------|-------|-----|--------|
| MCP Organochlorine Pesticides - Westborough Lab for sample(s): 03 Batch: WG1947175-1 |        |           |       |       |     |        |
| Delta-BHC                                                                            | ND     |           | ug/kg | 1.56  | --  | A      |
| Lindane                                                                              | ND     |           | ug/kg | 0.519 | --  | A      |
| Alpha-BHC                                                                            | ND     |           | ug/kg | 0.648 | --  | A      |
| Beta-BHC                                                                             | ND     |           | ug/kg | 1.56  | --  | A      |
| Heptachlor                                                                           | ND     |           | ug/kg | 0.778 | --  | A      |
| Aldrin                                                                               | ND     |           | ug/kg | 1.56  | --  | A      |
| Heptachlor epoxide                                                                   | ND     |           | ug/kg | 2.92  | --  | A      |
| Endrin                                                                               | ND     |           | ug/kg | 0.648 | --  | A      |
| Endrin ketone                                                                        | ND     |           | ug/kg | 1.56  | --  | A      |
| Dieldrin                                                                             | ND     |           | ug/kg | 0.973 | --  | A      |
| 4,4'-DDE                                                                             | ND     |           | ug/kg | 1.56  | --  | A      |
| 4,4'-DDD                                                                             | ND     |           | ug/kg | 1.56  | --  | A      |
| 4,4'-DDT                                                                             | ND     |           | ug/kg | 2.92  | --  | A      |
| Endosulfan I                                                                         | ND     |           | ug/kg | 1.56  | --  | A      |
| Endosulfan II                                                                        | ND     |           | ug/kg | 1.56  | --  | A      |
| Endosulfan sulfate                                                                   | ND     |           | ug/kg | 0.648 | --  | A      |
| Methoxychlor                                                                         | ND     |           | ug/kg | 2.92  | --  | A      |
| Chlordane                                                                            | ND     |           | ug/kg | 13.0  | --  | A      |
| Hexachlorobenzene                                                                    | ND     |           | ug/kg | 1.56  | --  | A      |

| Surrogate                    | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 77        |           | 30-150                 | A      |
| Decachlorobiphenyl           | 80        |           | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 81        |           | 30-150                 | B      |
| Decachlorobiphenyl           | 102       |           | 30-150                 | B      |



# **Lab Control Sample Analysis** **Batch Quality Control**

Project Name: TRURO DPW

Project Number: TRU250.P2

Lab Number: L2439394

Report Date: 07/26/24

| Parameter                                                                                            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| MCP Chlorinated Herbicides - Westborough Lab Associated sample(s): 03 Batch: WG1946674-2 WG1946674-3 |                  |      |                   |      |                     |     |      |               |        |
| MCP                                                                                                  | 83               |      | 85                |      | 40-140              | 2   |      | 30            | A      |
| MCPA                                                                                                 | 87               |      | 91                |      | 40-140              | 4   |      | 30            | A      |
| Dalapon                                                                                              | 70               |      | 87                |      | 40-140              | 22  |      | 30            | A      |
| Dicamba                                                                                              | 97               |      | 104               |      | 40-140              | 7   |      | 30            | A      |
| Dichloroprop                                                                                         | 100              |      | 108               |      | 40-140              | 8   |      | 30            | A      |
| 2,4-D                                                                                                | 99               |      | 110               |      | 40-140              | 11  |      | 30            | A      |
| 2,4-DB                                                                                               | 90               |      | 94                |      | 40-140              | 4   |      | 30            | A      |
| 2,4,5-T                                                                                              | 106              |      | 117               |      | 40-140              | 10  |      | 30            | A      |
| 2,4,5-TP (Silvex)                                                                                    | 100              |      | 109               |      | 40-140              | 9   |      | 30            | A      |

| Surrogate | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria | Column |
|-----------|------------------|------|-------------------|------|------------------------|--------|
| DCAA      | 98               |      | 103               |      | 30-150                 | A      |
| DCAA      | 91               |      | 96                |      | 30-150                 | B      |

# **Lab Control Sample Analysis** Batch Quality Control

Project Name: TRURO DPW

Lab Number: L2439394

Project Number: TRU250.P2

Report Date: 07/26/24

| Parameter                                                                                               | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|---------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 03 Batch: WG1947175-2 WG1947175-3 |                  |      |                   |      |                     |     |      |               |        |
| Delta-BHC                                                                                               | 94               |      | 94                |      | 40-140              | 0   |      | 30            | A      |
| Lindane                                                                                                 | 86               |      | 88                |      | 40-140              | 2   |      | 30            | A      |
| Alpha-BHC                                                                                               | 90               |      | 91                |      | 40-140              | 1   |      | 30            | A      |
| Beta-BHC                                                                                                | 84               |      | 84                |      | 40-140              | 0   |      | 30            | A      |
| Heptachlor                                                                                              | 91               |      | 91                |      | 40-140              | 0   |      | 30            | A      |
| Aldrin                                                                                                  | 91               |      | 93                |      | 40-140              | 2   |      | 30            | A      |
| Heptachlor epoxide                                                                                      | 85               |      | 86                |      | 40-140              | 1   |      | 30            | A      |
| Endrin                                                                                                  | 103              |      | 105               |      | 40-140              | 2   |      | 30            | A      |
| Endrin ketone                                                                                           | 97               |      | 100               |      | 40-140              | 3   |      | 30            | A      |
| Dieldrin                                                                                                | 109              |      | 110               |      | 40-140              | 1   |      | 30            | A      |
| 4,4'-DDE                                                                                                | 100              |      | 102               |      | 40-140              | 2   |      | 30            | A      |
| 4,4'-DDD                                                                                                | 111              |      | 113               |      | 40-140              | 2   |      | 30            | A      |
| 4,4'-DDT                                                                                                | 105              |      | 109               |      | 40-140              | 4   |      | 30            | A      |
| Endosulfan I                                                                                            | 95               |      | 96                |      | 40-140              | 1   |      | 30            | A      |
| Endosulfan II                                                                                           | 103              |      | 104               |      | 40-140              | 1   |      | 30            | A      |
| Endosulfan sulfate                                                                                      | 102              |      | 102               |      | 40-140              | 0   |      | 30            | A      |
| Methoxychlor                                                                                            | 114              |      | 122               |      | 40-140              | 7   |      | 30            | A      |
| Hexachlorobenzene                                                                                       | 82               |      | 82                |      | 40-140              | 0   |      | 30            | A      |

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** TRURO DPW

**Project Number:** TRU250.P2

**Lab Number:** L2439394

**Report Date:** 07/26/24

| <b>Parameter</b> | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>%Recovery<br/>Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD<br/>Limits</b> |
|------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
|------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|

MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 03 Batch: WG1947175-2 WG1947175-3

| <b>Surrogate</b>             | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>Acceptance<br/>Criteria</b> | <b>Column</b> |
|------------------------------|--------------------------|-------------|---------------------------|-------------|--------------------------------|---------------|
| 2,4,5,6-Tetrachloro-m-xylene | 77                       |             | 78                        |             | 30-150                         | A             |
| Decachlorobiphenyl           | 80                       |             | 83                        |             | 30-150                         | A             |
| 2,4,5,6-Tetrachloro-m-xylene | 85                       |             | 84                        |             | 30-150                         | B             |
| Decachlorobiphenyl           | 104                      |             | 108                       |             | 30-150                         | B             |

## METALS

**Project Name:** TRURO DPW**Lab Number:** L2439394**Project Number:** TRU250.P2**Report Date:** 07/26/24**SAMPLE RESULTS**

Lab ID: L2439394-01

Date Collected: 07/12/24 08:15

Client ID: TP5-4-6-N

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 98%

| Parameter                        | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Prep<br>Method | Analytical<br>Method | Analyst |
|----------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------|----------------------|---------|
| MCP Total Metals - Mansfield Lab |        |           |       |       |     |                    |                  |                  |                |                      |         |
| Antimony, Total                  | ND     |           | mg/kg | 3.98  | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:33   | EPA 3050B      | 97,6010D             | DHL     |
| Arsenic, Total                   | 3.56   |           | mg/kg | 0.796 | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:33   | EPA 3050B      | 97,6010D             | DHL     |
| Barium, Total                    | 4.80   |           | mg/kg | 0.796 | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:33   | EPA 3050B      | 97,6010D             | DHL     |
| Beryllium, Total                 | ND     |           | mg/kg | 0.398 | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:33   | EPA 3050B      | 97,6010D             | DHL     |
| Cadmium, Total                   | ND     |           | mg/kg | 0.796 | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:33   | EPA 3050B      | 97,6010D             | DHL     |
| Chromium, Total                  | 11.7   |           | mg/kg | 0.796 | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:33   | EPA 3050B      | 97,6010D             | DHL     |
| Lead, Total                      | 34.2   |           | mg/kg | 3.98  | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:33   | EPA 3050B      | 97,6010D             | DHL     |
| Mercury, Total                   | ND     |           | mg/kg | 0.068 | --  | 1                  | 07/15/24 23:28   | 07/16/24 11:23   | EPA 7471B      | 97,7471B             | MJR     |
| Nickel, Total                    | 2.32   |           | mg/kg | 1.99  | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:33   | EPA 3050B      | 97,6010D             | DHL     |
| Selenium, Total                  | ND     |           | mg/kg | 3.98  | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:33   | EPA 3050B      | 97,6010D             | DHL     |
| Silver, Total                    | ND     |           | mg/kg | 0.796 | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:33   | EPA 3050B      | 97,6010D             | DHL     |
| Thallium, Total                  | ND     |           | mg/kg | 3.98  | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:33   | EPA 3050B      | 97,6010D             | DHL     |
| Vanadium, Total                  | 4.96   |           | mg/kg | 0.796 | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:33   | EPA 3050B      | 97,6010D             | DHL     |
| Zinc, Total                      | 12.0   |           | mg/kg | 3.98  | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:33   | EPA 3050B      | 97,6010D             | DHL     |



**Project Name:** TRURO DPW**Lab Number:** L2439394**Project Number:** TRU250.P2**Report Date:** 07/26/24**SAMPLE RESULTS**

Lab ID: L2439394-02

Date Collected: 07/12/24 08:15

Client ID: TP5-6-8-W

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 96%

| Parameter                        | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Prep<br>Method | Analytical<br>Method | Analyst |
|----------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------|----------------------|---------|
| MCP Total Metals - Mansfield Lab |        |           |       |       |     |                    |                  |                  |                |                      |         |
| Antimony, Total                  | ND     |           | mg/kg | 4.05  | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:39   | EPA 3050B      | 97,6010D             | DHL     |
| Arsenic, Total                   | 2.69   |           | mg/kg | 0.811 | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:39   | EPA 3050B      | 97,6010D             | DHL     |
| Barium, Total                    | 4.09   |           | mg/kg | 0.811 | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:39   | EPA 3050B      | 97,6010D             | DHL     |
| Beryllium, Total                 | ND     |           | mg/kg | 0.405 | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:39   | EPA 3050B      | 97,6010D             | DHL     |
| Cadmium, Total                   | ND     |           | mg/kg | 0.811 | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:39   | EPA 3050B      | 97,6010D             | DHL     |
| Chromium, Total                  | 5.44   |           | mg/kg | 0.811 | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:39   | EPA 3050B      | 97,6010D             | DHL     |
| Lead, Total                      | 43.9   |           | mg/kg | 4.05  | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:39   | EPA 3050B      | 97,6010D             | DHL     |
| Mercury, Total                   | ND     |           | mg/kg | 0.073 | --  | 1                  | 07/15/24 23:28   | 07/16/24 11:27   | EPA 7471B      | 97,7471B             | MJR     |
| Nickel, Total                    | 3.44   |           | mg/kg | 2.03  | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:39   | EPA 3050B      | 97,6010D             | DHL     |
| Selenium, Total                  | ND     |           | mg/kg | 4.05  | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:39   | EPA 3050B      | 97,6010D             | DHL     |
| Silver, Total                    | ND     |           | mg/kg | 0.811 | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:39   | EPA 3050B      | 97,6010D             | DHL     |
| Thallium, Total                  | ND     |           | mg/kg | 4.05  | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:39   | EPA 3050B      | 97,6010D             | DHL     |
| Vanadium, Total                  | 6.11   |           | mg/kg | 0.811 | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:39   | EPA 3050B      | 97,6010D             | DHL     |
| Zinc, Total                      | 17.1   |           | mg/kg | 4.05  | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:39   | EPA 3050B      | 97,6010D             | DHL     |





**Project Name:** TRURO DPW**Lab Number:** L2439394**Project Number:** TRU250.P2**Report Date:** 07/26/24**SAMPLE RESULTS**

Lab ID: L2439394-03

Date Collected: 07/11/24 12:30

Client ID: TP5-6-8S

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 96%

| Parameter                        | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Prep<br>Method | Analytical<br>Method | Analyst |
|----------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------|----------------------|---------|
| MCP Total Metals - Mansfield Lab |        |           |       |       |     |                    |                  |                  |                |                      |         |
| Antimony, Total                  | ND     |           | mg/kg | 4.05  | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:45   | EPA 3050B      | 97,6010D             | DHL     |
| Arsenic, Total                   | 1.67   |           | mg/kg | 0.810 | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:45   | EPA 3050B      | 97,6010D             | DHL     |
| Barium, Total                    | 5.70   |           | mg/kg | 0.810 | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:45   | EPA 3050B      | 97,6010D             | DHL     |
| Beryllium, Total                 | ND     |           | mg/kg | 0.405 | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:45   | EPA 3050B      | 97,6010D             | DHL     |
| Cadmium, Total                   | ND     |           | mg/kg | 0.810 | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:45   | EPA 3050B      | 97,6010D             | DHL     |
| Chromium, Total                  | 5.34   |           | mg/kg | 0.810 | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:45   | EPA 3050B      | 97,6010D             | DHL     |
| Lead, Total                      | 34.1   |           | mg/kg | 4.05  | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:45   | EPA 3050B      | 97,6010D             | DHL     |
| Mercury, Total                   | ND     |           | mg/kg | 0.071 | --  | 1                  | 07/15/24 23:28   | 07/16/24 11:30   | EPA 7471B      | 97,7471B             | MJR     |
| Nickel, Total                    | 2.55   |           | mg/kg | 2.02  | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:45   | EPA 3050B      | 97,6010D             | DHL     |
| Selenium, Total                  | ND     |           | mg/kg | 4.05  | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:45   | EPA 3050B      | 97,6010D             | DHL     |
| Silver, Total                    | ND     |           | mg/kg | 0.810 | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:45   | EPA 3050B      | 97,6010D             | DHL     |
| Thallium, Total                  | ND     |           | mg/kg | 4.05  | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:45   | EPA 3050B      | 97,6010D             | DHL     |
| Vanadium, Total                  | 4.98   |           | mg/kg | 0.810 | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:45   | EPA 3050B      | 97,6010D             | DHL     |
| Zinc, Total                      | 29.1   |           | mg/kg | 4.05  | --  | 2                  | 07/15/24 22:55   | 07/17/24 18:45   | EPA 3050B      | 97,6010D             | DHL     |



Project Name: TRURO DPW

Lab Number: L2439394

Project Number: TRU250.P2

Report Date: 07/26/24

## Method Blank Analysis Batch Quality Control

| Parameter                                                                | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|--------------------------------------------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| MCP Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1947209-1 |        |           |       |       |     |                    |                  |                  |                      |         |
| Antimony, Total                                                          | ND     |           | mg/kg | 2.00  | --  | 1                  | 07/15/24 22:55   | 07/17/24 15:46   | 97,6010D             | DHL     |
| Arsenic, Total                                                           | ND     |           | mg/kg | 0.400 | --  | 1                  | 07/15/24 22:55   | 07/17/24 15:46   | 97,6010D             | DHL     |
| Barium, Total                                                            | ND     |           | mg/kg | 0.400 | --  | 1                  | 07/15/24 22:55   | 07/17/24 15:46   | 97,6010D             | DHL     |
| Beryllium, Total                                                         | ND     |           | mg/kg | 0.200 | --  | 1                  | 07/15/24 22:55   | 07/17/24 15:46   | 97,6010D             | DHL     |
| Cadmium, Total                                                           | ND     |           | mg/kg | 0.400 | --  | 1                  | 07/15/24 22:55   | 07/17/24 15:46   | 97,6010D             | DHL     |
| Chromium, Total                                                          | ND     |           | mg/kg | 0.400 | --  | 1                  | 07/15/24 22:55   | 07/17/24 15:46   | 97,6010D             | DHL     |
| Lead, Total                                                              | ND     |           | mg/kg | 2.00  | --  | 1                  | 07/15/24 22:55   | 07/17/24 15:46   | 97,6010D             | DHL     |
| Nickel, Total                                                            | ND     |           | mg/kg | 1.00  | --  | 1                  | 07/15/24 22:55   | 07/17/24 15:46   | 97,6010D             | DHL     |
| Selenium, Total                                                          | ND     |           | mg/kg | 2.00  | --  | 1                  | 07/15/24 22:55   | 07/17/24 15:46   | 97,6010D             | DHL     |
| Silver, Total                                                            | ND     |           | mg/kg | 0.400 | --  | 1                  | 07/15/24 22:55   | 07/17/24 15:46   | 97,6010D             | DHL     |
| Thallium, Total                                                          | ND     |           | mg/kg | 2.00  | --  | 1                  | 07/15/24 22:55   | 07/17/24 15:46   | 97,6010D             | DHL     |
| Vanadium, Total                                                          | ND     |           | mg/kg | 0.400 | --  | 1                  | 07/15/24 22:55   | 07/17/24 15:46   | 97,6010D             | DHL     |
| Zinc, Total                                                              | ND     |           | mg/kg | 2.00  | --  | 1                  | 07/15/24 22:55   | 07/17/24 15:46   | 97,6010D             | DHL     |

### Prep Information

Digestion Method: EPA 3050B

| Parameter                                                                | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|--------------------------------------------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| MCP Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1947210-1 |        |           |       |       |     |                    |                  |                  |                      |         |
| Mercury, Total                                                           | ND     |           | mg/kg | 0.083 | --  | 1                  | 07/15/24 23:28   | 07/16/24 11:07   | 97,7471B             | MJR     |

### Prep Information

Digestion Method: EPA 7471B



# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** TRURO DPW

**Project Number:** TRU250.P2

**Lab Number:** L2439394

**Report Date:** 07/26/24

| Parameter                                                                                                            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD Limits |
|----------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|------------|
| MCP Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1947209-2 WG1947209-3 SRM Lot Number: D123-540 |                  |      |                   |      |                     |     |      |            |
| Antimony, Total                                                                                                      | 130              |      | 135               |      | 2-201               | 4   |      | 30         |
| Arsenic, Total                                                                                                       | 92               |      | 99                |      | 82-118              | 7   |      | 30         |
| Barium, Total                                                                                                        | 92               |      | 99                |      | 82-118              | 7   |      | 30         |
| Beryllium, Total                                                                                                     | 90               |      | 98                |      | 83-117              | 9   |      | 30         |
| Cadmium, Total                                                                                                       | 94               |      | 103               |      | 83-118              | 9   |      | 30         |
| Chromium, Total                                                                                                      | 94               |      | 100               |      | 81-118              | 6   |      | 30         |
| Lead, Total                                                                                                          | 93               |      | 99                |      | 82-119              | 6   |      | 30         |
| Nickel, Total                                                                                                        | 92               |      | 99                |      | 82-118              | 7   |      | 30         |
| Selenium, Total                                                                                                      | 93               |      | 101               |      | 81-119              | 8   |      | 30         |
| Silver, Total                                                                                                        | 92               |      | 99                |      | 79-120              | 7   |      | 30         |
| Thallium, Total                                                                                                      | 97               |      | 106               |      | 81-120              | 9   |      | 30         |
| Vanadium, Total                                                                                                      | 92               |      | 98                |      | 78-122              | 6   |      | 30         |
| Zinc, Total                                                                                                          | 93               |      | 99                |      | 80-120              | 6   |      | 30         |
| MCP Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1947210-2 WG1947210-3 SRM Lot Number: D123-540 |                  |      |                   |      |                     |     |      |            |
| Mercury, Total                                                                                                       | 85               |      | 91                |      | 67-132              | 7   |      | 30         |

# **INORGANICS & MISCELLANEOUS**

**Project Name:** TRURO DPW**Project Number:** TRU250.P2**Lab Number:** L2439394**Report Date:** 07/26/24**SAMPLE RESULTS****Lab ID:** L2439394-01**Client ID:** TP5-4-6-N**Sample Location:** TRURO, MA**Date Collected:** 07/12/24 08:15**Date Received:** 07/12/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 97.6   |           | %     | 0.100 | NA  | 1                  | -                | 07/12/24 22:23   | 121,2540G            | WJM     |



**Project Name:** TRURO DPW**Project Number:** TRU250.P2**Lab Number:** L2439394**Report Date:** 07/26/24**SAMPLE RESULTS****Lab ID:** L2439394-02**Client ID:** TP5-6-8-W**Sample Location:** TRURO, MA**Date Collected:** 07/12/24 08:15**Date Received:** 07/12/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 95.7   |           | %     | 0.100 | NA  | 1                  | -                | 07/12/24 22:23   | 121,2540G            | WJM     |



**Project Name:** TRURO DPW**Project Number:** TRU250.P2**Lab Number:** L2439394**Report Date:** 07/26/24**SAMPLE RESULTS****Lab ID:** L2439394-03**Client ID:** TP5-6-8S**Sample Location:** TRURO, MA**Date Collected:** 07/11/24 12:30**Date Received:** 07/12/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 96.2   |           | %     | 0.100 | NA  | 1                  | -                | 07/12/24 22:23   | 121,2540G            | WJM     |



**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

Serial\_No:07262414:58  
**Lab Number:** L2439394  
**Report Date:** 07/26/24

**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information**

|               |                     |
|---------------|---------------------|
| <b>Cooler</b> | <b>Custody Seal</b> |
| A             | Absent              |

**Container Information**

| Container ID | Container Type                         | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal   | Frozen Date/Time | Analysis(*)                                                                                                                                                                                                                                                                                      |
|--------------|----------------------------------------|--------|------------|----------|------------|------|--------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L2439394-01A | Vial MeOH preserved                    | A      | NA         |          | 3.0        | Y    | Absent |                  | MCP-8260HLW-21(14),VPH-18(28)                                                                                                                                                                                                                                                                    |
| L2439394-01B | Vial water preserved                   | A      | NA         |          | 3.0        | Y    | Absent | 12-JUL-24 21:19  | MCP-8260HLW-21(14)                                                                                                                                                                                                                                                                               |
| L2439394-01C | Vial water preserved                   | A      | NA         |          | 3.0        | Y    | Absent | 12-JUL-24 21:19  | MCP-8260HLW-21(14)                                                                                                                                                                                                                                                                               |
| L2439394-01D | Plastic 2oz unpreserved for TS         | A      | NA         |          | 3.0        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                            |
| L2439394-01E | Metals Only-Glass 60mL/2oz unpreserved | A      | NA         |          | 3.0        | Y    | Absent |                  | MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-TL-6010T-10(180),MCP-CD-6010T-10(180),MCP-ZN-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-PB-6010T-10(180),MCP-NI-6010T-10(180) |
| L2439394-01F | Metals Only-Glass 60mL/2oz unpreserved | A      | NA         |          | 3.0        | Y    | Absent |                  | EPH-DELUX-20(14),MCP-8270-21(14)                                                                                                                                                                                                                                                                 |
| L2439394-02A | Vial MeOH preserved                    | A      | NA         |          | 3.0        | Y    | Absent |                  | MCP-8260HLW-21(14),VPH-18(28)                                                                                                                                                                                                                                                                    |
| L2439394-02B | Vial water preserved                   | A      | NA         |          | 3.0        | Y    | Absent | 12-JUL-24 21:19  | MCP-8260HLW-21(14)                                                                                                                                                                                                                                                                               |
| L2439394-02C | Vial water preserved                   | A      | NA         |          | 3.0        | Y    | Absent | 12-JUL-24 21:19  | MCP-8260HLW-21(14)                                                                                                                                                                                                                                                                               |
| L2439394-02D | Plastic 2oz unpreserved for TS         | A      | NA         |          | 3.0        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                            |
| L2439394-02E | Metals Only-Glass 60mL/2oz unpreserved | A      | NA         |          | 3.0        | Y    | Absent |                  | MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-7471T-10(28),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-NI-6010T-10(180)                      |
| L2439394-02F | Metals Only-Glass 60mL/2oz unpreserved | A      | NA         |          | 3.0        | Y    | Absent |                  | EPH-DELUX-20(14),MCP-8270-21(14)                                                                                                                                                                                                                                                                 |
| L2439394-03A | Vial MeOH preserved                    | A      | NA         |          | 3.0        | Y    | Absent |                  | MCP-8260HLW-21(14),MCP-8260H-21(14),VPH-18(28)                                                                                                                                                                                                                                                   |
| L2439394-03B | Vial water preserved                   | A      | NA         |          | 3.0        | Y    | Absent | 12-JUL-24 21:19  | MCP-8260HLW-21(14),MCP-8260H-21(14)                                                                                                                                                                                                                                                              |
| L2439394-03C | Vial water preserved                   | A      | NA         |          | 3.0        | Y    | Absent | 12-JUL-24 21:19  | MCP-8260HLW-21(14),MCP-8260H-21(14)                                                                                                                                                                                                                                                              |
| L2439394-03D | Plastic 2oz unpreserved for TS         | A      | NA         |          | 3.0        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                            |

\*Values in parentheses indicate holding time in days



**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Serial\_No:** 07262414:58  
**Lab Number:** L2439394  
**Report Date:** 07/26/24

**Container Information**

| <b>Container ID</b> | <b>Container Type</b>                  | <b>Cooler</b> | <b>Initial pH</b> | <b>Final pH</b> | <b>Temp deg C</b> | <b>Pres</b> | <b>Seal</b> | <b>Frozen Date/Time</b> | <b>Analysis(*)</b>                                                                                                                                                                                                                                                                               |
|---------------------|----------------------------------------|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L2439394-03E        | Metals Only-Glass 60mL/2oz unpreserved | A             | NA                |                 | 3.0               | Y           | Absent      |                         | MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-AG-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-PB-6010T-10(180),MCP-NI-6010T-10(180) |
| L2439394-03F        | Metals Only-Glass 60mL/2oz unpreserved | A             | NA                |                 | 3.0               | Y           | Absent      |                         | MCP-8082-10(365),MCP-8081-10(14),MCP-8151-10(14),EPH-DELUX-20(14),MCP-8270-21(14)                                                                                                                                                                                                                |

**Project Name:** TRURO DPW**Lab Number:** L2439394**Project Number:** TRU250.P2**Report Date:** 07/26/24

## 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.)<br><br>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: Data Usability Report*

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439394  
**Report Date:** 07/26/24

## 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, Dibenz(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. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

**Report Format:** Data Usability Report



**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439394  
**Report Date:** 07/26/24

#### **Data Qualifiers**

- ND** - Not detected at the reporting limit (RL) for the sample.
- 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:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439394  
**Report Date:** 07/26/24

## REFERENCES

- 97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010; WSC-CAM-IIIA and IIID, January 2024; WSC-CAM-IIIB and VA, February 2024; and WSC-CAM-VB and VC, April 2024.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 131 Method for the Determination of Volatile Petroleum Hydrocarbons (VPH), MassDEP, February 2018, Revision 2.1 with QC Requirements & Performance Standards for the Analysis of VPH under the Massachusetts Contingency Plan, WSC-CAM-IVA, June 1, 2018.
- 135 Method for the Determination of Extractable Petroleum Hydrocarbons (EPH), MassDEP, December 2019, Revision 2.1 with QC Requirements & Performance Standards for the Analysis of EPH under the Massachusetts Contingency Plan, WSC-CAM-IVB, March 1, 2020.
- 141 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA and IIB, November 2021.

## LIMITATION OF LIABILITIES

Alpha Analytical 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 Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical 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 Alpha Analytical.

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.



**Alpha Analytical, Inc.**Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 21

Published Date: 04/17/2024

Page 1 of 1

## Certification Information

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

**Westborough Facility****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, NO<sub>2</sub>, NO<sub>3</sub>.**Mansfield Facility****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.

**Nonpotable Water:** **EPA RSK-175 Dissolved Gases****Biological Tissue Matrix:** EPA 3050B

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

**Westborough Facility:****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:****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**

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



320 Forbes Blvd  
Mansfield, MA 02048  
Tel: 508-822-9300

## PAGE \_\_\_\_\_ OF \_\_\_\_\_

Date Rec'd in Lab: 7/12/24

## Report Information - Data Deliverables

☒ ADEX ☒ EMAIL

Regulatory Requirements &amp; Project

☐ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)☐ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)☐ Yes ☐ No NPDES RGP☐ Other State /Fed Program \_\_\_\_\_ Criteria

| ANALYSIS                                       |                                                                                                      | SAMPLE INFO                                                                        |
|------------------------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| VOC: <input checked="" type="checkbox"/> 8260  | <input type="checkbox"/> 624 <input type="checkbox"/> 524.2                                          | Filtration<br><input type="checkbox"/> Field<br><input type="checkbox"/> Lab to do |
| SVOC: <input type="checkbox"/> ABN             | <input type="checkbox"/> PAH                                                                         | Preservation<br><input type="checkbox"/> Lab to do                                 |
| METALS: <input type="checkbox"/> MCP 13        | <input checked="" type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15                           |                                                                                    |
| EPH: <input checked="" type="checkbox"/> RCRA5 | <input type="checkbox"/> RCRA8 <input type="checkbox"/> PP13                                         |                                                                                    |
| VPH: <input type="checkbox"/> Ranges & Targets | <input type="checkbox"/> Ranges Only                                                                 |                                                                                    |
| <input checked="" type="checkbox"/> PCB        | <input checked="" type="checkbox"/> Ranges & Targets <input checked="" type="checkbox"/> Ranges Only |                                                                                    |
| TPH: <input type="checkbox"/> PEST             | <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint                             |                                                                                    |
| <b>Herbicides</b>                              |                                                                                                      |                                                                                    |
| <b>Pesticides</b>                              |                                                                                                      |                                                                                    |
|                                                |                                                                                                      | Sample Comments                                                                    |

## SAMPLE INFO

*Filtration*  
☐ Field  
☐ Lab to do

*Preservation*  
☐ Lab to do

TOTAL N BOTTLES

### Sample Comments

Client: HRP Associates

Address: 13 Court St

Plymouth, MA

Phone: 781-243-1527

Email: Bryen.Massa@HRPassociates.com

Additional Project Information:

| Container Type  | Preservative                                     | Container Type | Preservative |
|-----------------|--------------------------------------------------|----------------|--------------|
| P= Plastic      | A= None                                          |                |              |
| A= Amber glass  | B= HCl                                           |                |              |
| V= Vial         | C= HNO <sub>3</sub>                              |                |              |
| G= Glass        | D= H <sub>2</sub> SO <sub>4</sub>                |                |              |
| B= Bacteria cup | E= NaOH                                          |                |              |
| C= Cube         | F= MeOH                                          |                |              |
| O= Other        | G= NaHSO <sub>4</sub>                            |                |              |
| E= Encore       | H= Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> |                |              |
| D= BOD Bottle   | I= Ascorbic Acid                                 |                |              |
|                 | J= NH <sub>4</sub> Cl                            |                |              |
|                 | K= Zn Acetate                                    |                |              |
|                 | O= Other                                         |                |              |

| Relinquished By:    | Date/Time      | Received By:       | Date/Time  |
|---------------------|----------------|--------------------|------------|
| <i>Amber Barker</i> | 7/12/24 @ 1410 | <i>[Signature]</i> | 7/12 14:10 |
| <i>[Signature]</i>  | 7/12 18:28     | <i>[Signature]</i> | 7/12 18:28 |

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)

Page 102 of 111

Container Type

P= Plastic  
A= Amber glass  
V= Vial  
G= Glass  
B= Bacteria cup  
C= Cube  
O= Other  
E= Encore  
D= BOD Bottle

Preservative

A= None  
B= HCl  
C= HNO<sub>3</sub>  
D= H<sub>2</sub>SO<sub>4</sub>  
E= NaOH  
F= MeOH  
G= NaHSO<sub>4</sub>  
H = Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>  
I= Ascorbic Acid  
J = NH<sub>4</sub>Cl  
K= Zn Acetate  
O= Other

Container Type

Preservative

Relinquished By:

Date/Time

Received By:

Date/Time

All samples submitted are subject to Alpha's Terms and Conditions.  
See reverse side.

FORM NO. 01-01 (rev. 12-Mar-2012)

# Method Blank Summary

## Form 4

### Volatiles

Client : HRP Associates, Inc  
Project Name : TRURO DPW  
Lab Sample ID : WG1947586-5  
Instrument ID : VOA110  
Matrix : SOIL

Lab Number : L2439394  
Project Number : TRU250.P2  
Lab File ID : V10240715A05  
Analysis Date : 07/15/24 11:10

| Client Sample No. | Lab Sample ID | Analysis Date  |
|-------------------|---------------|----------------|
| WG1947586-3LCS    | WG1947586-3   | 07/15/24 09:48 |
| WG1947586-4LCSD   | WG1947586-4   | 07/15/24 10:16 |
| TP5-4-6-N         | L2439394-01   | 07/15/24 12:05 |
| TP5-6-8-W         | L2439394-02   | 07/15/24 12:33 |
| TP5-6-8S          | L2439394-03   | 07/15/24 13:00 |



# Method Blank Summary

## Form 4

### Volatiles

|               |                       |                |                  |
|---------------|-----------------------|----------------|------------------|
| Client        | : HRP Associates, Inc | Lab Number     | : L2439394       |
| Project Name  | : TRURO DPW           | Project Number | : TRU250.P2      |
| Lab Sample ID | : WG1948013-5         | Lab File ID    | : V26240716A05   |
| Instrument ID | : VOA126              |                |                  |
| Matrix        | : SOIL                | Analysis Date  | : 07/16/24 09:11 |

| Client Sample No. | Lab Sample ID | Analysis Date  |
|-------------------|---------------|----------------|
| WG1948013-3LCS    | WG1948013-3   | 07/16/24 07:14 |
| WG1948013-4LCSD   | WG1948013-4   | 07/16/24 07:53 |
| TP5-6-8S          | L2439394-03   | 07/16/24 11:49 |

# Calibration Verification Summary

## Form 7

### Volatiles

Client : HRP Associates, Inc  
 Project Name : TRURO DPW  
 Instrument ID : VOA110  
 Lab File ID : V10240715A02  
 Sample No : WG1947586-2  
 Channel :

Lab Number : L2439394  
 Project Number : TRU250.P2  
 Calibration Date : 07/15/24 09:48  
 Init. Calib. Date(s) : 05/15/24 05/16/24  
 Init. Calib. Times : 20:51 01:23

| Compound                 | Ave. RRF | RRF   | Min RRF | %D     | Max %D | Area% | Dev(min) |
|--------------------------|----------|-------|---------|--------|--------|-------|----------|
| Fluorobenzene            | 1        | 1     | -       | 0      | 20     | 70    | 0        |
| Dichlorodifluoromethane  | 0.285    | 0.29  | -       | -1.8   | 20     | 74    | 0        |
| Chloromethane            | 0.258    | 0.279 | -       | -8.1   | 20     | 83    | 0        |
| Vinyl chloride           | 0.314    | 0.345 | -       | -9.9   | 20     | 77    | 0        |
| Bromomethane             | 0.243    | 0.229 | -       | 5.8    | 20     | 75    | 0        |
| Chloroethane             | 0.242    | 0.267 | -       | -10.3  | 20     | 78    | 0        |
| Trichlorofluoromethane   | 0.544    | 0.571 | -       | -5     | 20     | 75    | 0        |
| Ethyl ether              | 0.2      | 0.232 | -       | -16    | 20     | 84    | 0        |
| 1,1-Dichloroethene       | 0.296    | 0.304 | -       | -2.7   | 20     | 75    | 0        |
| Carbon disulfide         | 1.008    | 1.048 | -       | -4     | 20     | 76    | 0        |
| Freon-113                | 0.317    | 0.325 | -       | -2.5   | 20     | 75    | 0        |
| Acrolein                 | 0.065    | 0.077 | -       | -18.5  | 20     | 82    | 0        |
| Methylene chloride       | 0.375    | 0.365 | -       | 2.7    | 20     | 74    | 0        |
| Acetone                  | 0.13     | 0.133 | -       | -2.3   | 20     | 72    | -.01     |
| trans-1,2-Dichloroethene | 0.297    | 0.307 | -       | -3.4   | 20     | 65    | -.01     |
| Methyl acetate           | 0.256    | 0.254 | -       | 0.8    | 20     | 59    | 0        |
| Methyl tert-butyl ether  | 0.833    | 0.878 | -       | -5.4   | 20     | 83    | 0        |
| tert-Butyl alcohol       | 0.041    | 0.044 | -       | -7.3   | 20     | 74    | 0        |
| Diisopropyl ether        | 0.751    | 0.91  | -       | -21.2* | 20     | 85    | 0        |
| 1,1-Dichloroethane       | 0.406    | 0.478 | -       | -17.7  | 20     | 85    | 0        |
| Halothane                | 0.171    | 0.176 | -       | -2.9   | 20     | 77    | -.01     |
| Acrylonitrile            | 0.084    | 0.105 | -       | -25*   | 20     | 88    | 0        |
| Ethyl tert-butyl ether   | 0.724    | 0.821 | -       | -13.4  | 20     | 79    | 0        |
| Vinyl acetate            | 0.563    | 0.751 | -       | -33.4* | 20     | 94    | 0        |
| cis-1,2-Dichloroethene   | 0.248    | 0.269 | -       | -8.5   | 20     | 77    | 0        |
| 2,2-Dichloropropane      | 0.334    | 0.395 | -       | -18.3  | 20     | 87    | 0        |
| Bromochloromethane       | 0.128    | 0.128 | -       | 0      | 20     | 73    | 0        |
| Cyclohexane              | 0.357    | 0.417 | -       | -16.8  | 20     | 84    | 0        |
| Chloroform               | 0.399    | 0.457 | -       | -14.5  | 20     | 82    | 0        |
| Ethyl acetate            | 0.305    | 0.334 | -       | -9.5   | 20     | 82    | 0        |
| Carbon tetrachloride     | 0.321    | 0.336 | -       | -4.7   | 20     | 75    | 0        |
| Tetrahydrofuran          | 0.094    | 0.111 | -       | -18.1  | 20     | 89    | 0        |
| Dibromofluoromethane     | 0.262    | 0.254 | -       | 3.1    | 20     | 68    | 0        |
| 1,1,1-Trichloroethane    | 0.343    | 0.398 | -       | -16    | 20     | 81    | 0        |
| 2-Butanone               | 0.136    | 0.145 | -       | -6.6   | 20     | 78    | 0        |
| 1,1-Dichloropropene      | 0.299    | 0.341 | -       | -14    | 20     | 81    | 0        |
| Benzene                  | 0.873    | 0.996 | -       | -14.1  | 20     | 80    | 0        |
| tert-Amyl methyl ether   | 0.695    | 0.755 | -       | -8.6   | 20     | 75    | 0        |
| 1,2-Dichloroethane-d4    | 0.286    | 0.311 | -       | -8.7   | 20     | 76    | 0        |
| 1,2-Dichloroethane       | 0.313    | 0.356 | -       | -13.7  | 20     | 81    | 0        |
| Methyl cyclohexane       | 0.397    | 0.432 | -       | -8.8   | 20     | 78    | 0        |
| Trichloroethene          | 0.233    | 0.263 | -       | -12.9  | 20     | 78    | 0        |
| Dibromomethane           | 0.153    | 0.16  | -       | -4.6   | 20     | 72    | 0        |

\* Value outside of QC limits.



# Calibration Verification Summary

## Form 7

### Volatiles

Client : HRP Associates, Inc  
 Project Name : TRURO DPW  
 Instrument ID : VOA110  
 Lab File ID : V10240715A02  
 Sample No : WG1947586-2  
 Channel :

Lab Number : L2439394  
 Project Number : TRU250.P2  
 Calibration Date : 07/15/24 09:48  
 Init. Calib. Date(s) : 05/15/24 05/16/24  
 Init. Calib. Times : 20:51 01:23

| Compound                   | Ave. RRF | RRF      | Min RRF | %D     | Max %D | Area% | Dev(min) |
|----------------------------|----------|----------|---------|--------|--------|-------|----------|
| 1,2-Dichloropropane        | 0.229    | 0.262    | -       | -14.4  | 20     | 80    | 0        |
| 2-Chloroethyl vinyl ether  | 0.144    | 0.029    | -       | 79.9*  | 20     | 13    | 0        |
| Bromodichloromethane       | 0.317    | 0.341    | -       | -7.6   | 20     | 74    | -.01     |
| 1,4-Dioxane                | 0.00315  | 0.00309* | -       | 1.9    | 20     | 65    | 0        |
| cis-1,3-Dichloropropene    | 0.375    | 0.416    | -       | -10.9  | 20     | 77    | 0        |
| Chlorobenzene-d5           | 1        | 1        | -       | 0      | 20     | 66    | 0        |
| Toluene-d8                 | 1.236    | 1.287    | -       | -4.1   | 20     | 68    | 0        |
| Toluene                    | 0.719    | 0.802    | -       | -11.5  | 20     | 75    | 0        |
| 4-Methyl-2-pentanone       | 0.116    | 0.127    | -       | -9.5   | 20     | 71    | 0        |
| Tetrachloroethene          | 0.295    | 0.311    | -       | -5.4   | 20     | 68    | 0        |
| trans-1,3-Dichloropropene  | 0.426    | 0.535    | -       | -25.6* | 20     | 79    | 0        |
| Ethyl methacrylate         | 0.341    | 0.445    | -       | -30.5* | 20     | 82    | 0        |
| 1,1,2-Trichloroethane      | 0.209    | 0.246    | -       | -17.7  | 20     | 77    | 0        |
| Chlorodibromomethane       | 0.296    | 0.305    | -       | -3     | 20     | 64    | 0        |
| 1,3-Dichloropropane        | 0.432    | 0.518    | -       | -19.9  | 20     | 77    | 0        |
| 1,2-Dibromoethane          | 0.265    | 0.283    | -       | -6.8   | 20     | 68    | 0        |
| 2-Hexanone                 | 0.229    | 0.262    | -       | -14.4  | 20     | 73    | 0        |
| Chlorobenzene              | 0.814    | 0.898    | -       | -10.3  | 20     | 71    | 0        |
| Ethylbenzene               | 1.336    | 1.582    | -       | -18.4  | 20     | 78    | 0        |
| 1,1,1,2-Tetrachloroethane  | 0.291    | 0.31     | -       | -6.5   | 20     | 67    | 0        |
| p/m Xylene                 | 0.533    | 0.606    | -       | -13.7  | 20     | 74    | 0        |
| o Xylene                   | 0.525    | 0.572    | -       | -9     | 20     | 71    | 0        |
| Styrene                    | 0.896    | 1.019    | -       | -13.7  | 20     | 72    | 0        |
| 1,4-Dichlorobenzene-d4     | 1        | 1        | -       | 0      | 20     | 64    | 0        |
| Bromoform                  | 0.379    | 0.355    | -       | 6.3    | 20     | 60    | 0        |
| Isopropylbenzene           | 2.448    | 2.838    | -       | -15.9  | 20     | 75    | 0        |
| 4-Bromofluorobenzene       | 0.812    | 0.846    | -       | -4.2   | 20     | 66    | 0        |
| Bromobenzene               | 0.656    | 0.693    | -       | -5.6   | 20     | 67    | 0        |
| n-Propylbenzene            | 2.801    | 3.46     | -       | -23.5* | 20     | 79    | 0        |
| 1,4-Dichlorobutane         | 0.747    | 1.004    | -       | -34.4* | 20     | 88    | 0        |
| 1,1,2,2-Tetrachloroethane  | 0.634    | 0.737    | -       | -16.2  | 20     | 72    | 0        |
| 4-Ethyltoluene             | 2.377    | 2.803    | -       | -17.9  | 20     | 76    | 0        |
| 2-Chlorotoluene            | 1.612    | 1.934    | -       | -20    | 20     | 76    | 0        |
| 1,3,5-Trimethylbenzene     | 2.142    | 2.501    | -       | -16.8  | 20     | 75    | 0        |
| 1,2,3-Trichloropropane     | 0.558    | 0.633    | -       | -13.4  | 20     | 74    | 0        |
| trans-1,4-Dichloro-2-buten | 0.196    | 0.294    | -       | -50*   | 20     | 95    | 0        |
| 4-Chlorotoluene            | 1.7      | 2.034    | -       | -19.6  | 20     | 77    | 0        |
| tert-Butylbenzene          | 1.875    | 2.075    | -       | -10.7  | 20     | 70    | 0        |
| 1,2,4-Trimethylbenzene     | 2.096    | 2.442    | -       | -16.5  | 20     | 73    | 0        |
| sec-Butylbenzene           | 2.748    | 3.207    | -       | -16.7  | 20     | 74    | 0        |
| p-Isopropyltoluene         | 2.42     | 2.789    | -       | -15.2  | 20     | 73    | 0        |
| 1,3-Dichlorobenzene        | 1.238    | 1.398    | -       | -12.9  | 20     | 70    | 0        |
| 1,4-Dichlorobenzene        | 1.274    | 1.417    | -       | -11.2  | 20     | 71    | 0        |

\* Value outside of QC limits.



# Calibration Verification Summary

## Form 7

### Volatiles

Client : HRP Associates, Inc  
 Project Name : TRURO DPW  
 Instrument ID : VOA110  
 Lab File ID : V10240715A02  
 Sample No : WG1947586-2  
 Channel :

Lab Number : L2439394  
 Project Number : TRU250.P2  
 Calibration Date : 07/15/24 09:48  
 Init. Calib. Date(s) : 05/15/24 05/16/24  
 Init. Calib. Times : 20:51 01:23

| Compound                   | Ave. RRF | RRF   | Min RRF | %D     | Max %D | Area% | Dev(min) |
|----------------------------|----------|-------|---------|--------|--------|-------|----------|
| p-Diethylbenzene           | 1.403    | 1.66  | -       | -18.3  | 20     | 73    | 0        |
| n-Butylbenzene             | 2.033    | 2.589 | -       | -27.3* | 20     | 80    | 0        |
| 1,2-Dichlorobenzene        | 1.214    | 1.342 | -       | -10.5  | 20     | 69    | 0        |
| 1,2,4,5-Tetramethylbenzene | 2.26     | 2.513 | -       | -11.2  | 20     | 70    | 0        |
| 1,2-Dibromo-3-chloropropan | 0.13     | 0.122 | -       | 6.2    | 20     | 56    | 0        |
| 1,3,5-Trichlorobenzene     | 0.932    | 1     | -       | -7.3   | 20     | 69    | 0        |
| Hexachlorobutadiene        | 0.456    | 0.431 | -       | 5.5    | 20     | 60    | 0        |
| 1,2,4-Trichlorobenzene     | 0.851    | 0.899 | -       | -5.6   | 20     | 66    | 0        |
| Naphthalene                | 2.401    | 2.554 | -       | -6.4   | 20     | 66    | 0        |
| 1,2,3-Trichlorobenzene     | 0.849    | 0.863 | -       | -1.6   | 20     | 65    | 0        |

\* Value outside of QC limits.



# Calibration Verification Summary

## Form 7

### Volatiles

Client : HRP Associates, Inc  
 Project Name : TRURO DPW  
 Instrument ID : VOA126  
 Lab File ID : V26240716A02  
 Sample No : WG1948013-2  
 Channel :

Lab Number : L2439394  
 Project Number : TRU250.P2  
 Calibration Date : 07/16/24 07:14  
 Init. Calib. Date(s) : 02/20/24 02/21/24  
 Init. Calib. Times : 22:23 04:07

| Compound                 | Ave. RRF | RRF    | Min RRF | %D     | Max %D | Area% | Dev(min) |
|--------------------------|----------|--------|---------|--------|--------|-------|----------|
| Fluorobenzene            | 1        | 1      | -       | 0      | 20     | 65    | 0        |
| Dichlorodifluoromethane  | 0.313    | 0.297  | -       | 5.1    | 20     | 58    | 0        |
| Chlorodifluoromethane    | 0.243    | 0.296  | -       | -21.8* | 20     | 80    | 0        |
| Chloromethane            | 0.322    | 0.335  | -       | -4     | 20     | 67    | 0        |
| Vinyl chloride           | 0.306    | 0.375  | -       | -22.5* | 20     | 74    | 0        |
| Bromomethane             | 0.204    | 0.191  | -       | 6.4    | 20     | 63    | 0        |
| Chloroethane             | 0.175    | 0.184  | -       | -5.1   | 20     | 66    | 0        |
| Trichlorofluoromethane   | 0.374    | 0.403  | -       | -7.8   | 20     | 65    | 0        |
| Ethyl ether              | 0.108    | 0.131  | -       | -21.3* | 20     | 77    | 0        |
| 1,1-Dichloroethene       | 0.237    | 0.235  | -       | 0.8    | 20     | 61    | 0        |
| Carbon disulfide         | 0.901    | 0.824  | -       | 8.5    | 20     | 62    | 0        |
| Freon-113                | 0.248    | 0.257  | -       | -3.6   | 20     | 64    | 0        |
| Iodomethane              | 0.313    | 0.382  | -       | -22*   | 20     | 73    | 0        |
| Acrolein                 | 0.024    | 0.038  | -       | -58.3* | 20     | 104   | 0        |
| Allyl chloride           | 0.139    | 0.132  | -       | 5      | 20     | 60    | 0        |
| Methylene chloride       | 0.261    | 0.273  | -       | -4.6   | 20     | 72    | 0        |
| Acetone                  | 40       | 59.451 | -       | -48.6* | 20     | 99    | 0        |
| trans-1,2-Dichloroethene | 0.267    | 0.271  | -       | -1.5   | 20     | 63    | 0        |
| Methyl acetate           | 0.11     | 0.149  | -       | -35.5* | 20     | 90    | 0        |
| Hexane                   | 0.349    | 0.388  | -       | -11.2  | 20     | 70    | 0        |
| Methyl tert-butyl ether  | 0.578    | 0.724  | -       | -25.3* | 20     | 80    | 0        |
| tert-Butyl alcohol       | 0.018    | 0.021  | -       | -16.7  | 20     | 76    | -.01     |
| Diisopropyl ether        | 0.806    | 1.025  | -       | -27.2* | 20     | 81    | 0        |
| 1,1-Dichloroethane       | 0.458    | 0.485  | -       | -5.9   | 20     | 68    | 0        |
| Halothane                | 0.204    | 0.208  | -       | -2     | 20     | 63    | 0        |
| Acrylonitrile            | 0.053    | 0.077  | -       | -45.3* | 20     | 95    | 0        |
| Ethyl tert-butyl ether   | 0.709    | 0.8    | -       | -12.8  | 20     | 72    | 0        |
| Vinyl acetate            | 0.368    | 0.452  | -       | -22.8* | 20     | 79    | 0        |
| cis-1,2-Dichloroethene   | 0.286    | 0.29   | -       | -1.4   | 20     | 65    | 0        |
| 2,2-Dichloropropane      | 0.388    | 0.407  | -       | -4.9   | 20     | 66    | 0        |
| Bromochloromethane       | 0.125    | 0.138  | -       | -10.4  | 20     | 71    | 0        |
| Cyclohexane              | 0.442    | 0.486  | -       | -10    | 20     | 70    | 0        |
| Chloroform               | 0.45     | 0.478  | -       | -6.2   | 20     | 68    | 0        |
| Ethyl acetate            | 0.157    | 0.22   | -       | -40.1* | 20     | 90    | 0        |
| Carbon tetrachloride     | 0.365    | 0.371  | -       | -1.6   | 20     | 63    | 0        |
| Tetrahydrofuran          | 0.045    | 0.068  | -       | -51.1* | 20     | 103   | 0        |
| Dibromofluoromethane     | 0.238    | 0.256  | -       | -7.6   | 20     | 70    | 0        |
| 1,1,1-Trichloroethane    | 0.406    | 0.42   | -       | -3.4   | 20     | 64    | 0        |
| 2-Butanone               | 0.07     | 0.101  | -       | -44.3* | 20     | 97    | 0        |
| 1,1-Dichloropropene      | 0.354    | 0.358  | -       | -1.1   | 20     | 63    | 0        |
| Heptane                  | 0.237    | 0.234  | -       | 1.3    | 20     | 64    | 0        |
| Benzene                  | 0.977    | 1.058  | -       | -8.3   | 20     | 68    | 0        |
| tert-Amyl methyl ether   | 0.62     | 0.684  | -       | -10.3  | 20     | 71    | 0        |

\* Value outside of QC limits.



# Calibration Verification Summary

## Form 7

### Volatiles

Client : HRP Associates, Inc  
 Project Name : TRURO DPW  
 Instrument ID : VOA126  
 Lab File ID : V26240716A02  
 Sample No : WG1948013-2  
 Channel :

Lab Number : L2439394  
 Project Number : TRU250.P2  
 Calibration Date : 07/16/24 07:14  
 Init. Calib. Date(s) : 02/20/24 02/21/24  
 Init. Calib. Times : 22:23 04:07

| Compound                  | Ave. RRF | RRF      | Min RRF | %D     | Max %D | Area% | Dev(min) |
|---------------------------|----------|----------|---------|--------|--------|-------|----------|
| 1,2-Dichloroethane-d4     | 0.233    | 0.249    | -       | -6.9   | 20     | 71    | 0        |
| 1,2-Dichloroethane        | 0.304    | 0.334    | -       | -9.9   | 20     | 72    | 0        |
| Methyl cyclohexane        | 0.469    | 0.458    | -       | 2.3    | 20     | 64    | 0        |
| Trichloroethene           | 0.281    | 0.301    | -       | -7.1   | 20     | 68    | 0        |
| Dibromomethane            | 0.132    | 0.148    | -       | -12.1  | 20     | 74    | 0        |
| 1,2-Dichloropropane       | 0.247    | 0.274    | -       | -10.9  | 20     | 71    | 0        |
| 2-Chloroethyl vinyl ether | 0.063    | 0.08     | -       | -27*   | 20     | 80    | 0        |
| Bromodichloromethane      | 0.327    | 0.366    | -       | -11.9  | 20     | 70    | 0        |
| Methyl methacrylate       | 0.116    | 0.124    | -       | -6.9   | 20     | 69    | 0        |
| 1,4-Dioxane               | 0.00163  | 0.00154* | -       | 5.5    | 20     | 64    | 0        |
| cis-1,3-Dichloropropene   | 0.373    | 0.424    | -       | -13.7  | 20     | 75    | 0        |
| Chlorobenzene-d5          | 1        | 1        | -       | 0      | 20     | 74    | 0        |
| Octane                    | 0.335    | 0.292    | -       | 12.8   | 20     | 62    | 0        |
| Toluene-d8                | 1.282    | 1.266    | -       | 1.2    | 20     | 73    | 0        |
| Toluene                   | 0.85     | 0.839    | -       | 1.3    | 20     | 69    | 0        |
| 4-Methyl-2-pentanone      | 0.079    | 0.094    | -       | -19    | 20     | 84    | 0        |
| Tetrachloroethene         | 0.392    | 0.361    | -       | 7.9    | 20     | 68    | 0        |
| 2-Nitropropane            | 0.057    | 0.056    | -       | 1.8    | 20     | 74    | 0        |
| trans-1,3-Dichloropropene | 0.426    | 0.454    | -       | -6.6   | 20     | 76    | 0        |
| Methyl isothiocyanate     | 0.143    | 0.135    | -       | 5.6    | 20     | 69    | 0        |
| Ethyl methacrylate        | 0.298    | 0.356    | -       | -19.5  | 20     | 84    | 0        |
| 1,1,2-Trichloroethane     | 0.205    | 0.212    | -       | -3.4   | 20     | 76    | 0        |
| Chlorodibromomethane      | 0.3      | 0.315    | -       | -5     | 20     | 75    | 0        |
| 1,3-Dichloropropane       | 0.407    | 0.425    | -       | -4.4   | 20     | 75    | 0        |
| 1,2-Dibromoethane         | 0.235    | 0.247    | -       | -5.1   | 20     | 72    | 0        |
| n-Butyl Acetate           | 0.38     | 0.448    | -       | -17.9  | 20     | 84    | 0        |
| 2-Hexanone                | 0.149    | 0.201    | -       | -34.9* | 20     | 97    | 0        |
| Nonane                    | 0.604    | 0.532    | -       | 11.9   | 20     | 65    | 0        |
| Chlorobenzene             | 0.933    | 0.927    | -       | 0.6    | 20     | 72    | 0        |
| Ethylbenzene              | 1.595    | 1.622    | -       | -1.7   | 20     | 73    | 0        |
| 1,1,1,2-Tetrachloroethane | 0.333    | 0.326    | -       | 2.1    | 20     | 70    | 0        |
| p/m Xylene                | 0.625    | 0.631    | -       | -1     | 20     | 70    | 0        |
| o Xylene                  | 0.595    | 0.598    | -       | -0.5   | 20     | 71    | 0        |
| Styrene                   | 0.93     | 0.991    | -       | -6.6   | 20     | 72    | 0        |
| 1,4-Dichlorobenzene-d4    | 1        | 1        | -       | 0      | 20     | 73    | 0        |
| Bromoform                 | 0.337    | 0.341    | -       | -1.2   | 20     | 70    | 0        |
| Isopropylbenzene          | 3.239    | 3.159    | -       | 2.5    | 20     | 69    | 0        |
| 4-Bromofluorobenzene      | 0.873    | 0.878    | -       | -0.6   | 20     | 75    | 0        |
| Bromobenzene              | 0.767    | 0.747    | -       | 2.6    | 20     | 70    | 0        |
| Decane                    | 1.324    | 1.262    | -       | 4.7    | 20     | 66    | 0        |
| n-Propylbenzene           | 3.801    | 3.754    | -       | 1.2    | 20     | 71    | 0        |
| 1,4-Dichlorobutane        | 0.728    | 0.894    | -       | -22.8* | 20     | 90    | 0        |
| 1,1,2,2-Tetrachloroethane | 0.555    | 0.572    | -       | -3.1   | 20     | 75    | 0        |

\* Value outside of QC limits.



# Calibration Verification Summary

## Form 7

### Volatiles

Client : HRP Associates, Inc  
 Project Name : TRURO DPW  
 Instrument ID : VOA126  
 Lab File ID : V26240716A02  
 Sample No : WG1948013-2  
 Channel :

Lab Number : L2439394  
 Project Number : TRU250.P2  
 Calibration Date : 07/16/24 07:14  
 Init. Calib. Date(s) : 02/20/24 02/21/24  
 Init. Calib. Times : 22:23 04:07

| Compound                   | Ave. RRF | RRF    | Min RRF | %D     | Max %D | Area% | Dev(min) |
|----------------------------|----------|--------|---------|--------|--------|-------|----------|
| 4-Ethyltoluene             | 3.147    | 3.046  | -       | 3.2    | 20     | 70    | 0        |
| 2-Chlorotoluene            | 2.431    | 2.354  | -       | 3.2    | 20     | 70    | 0        |
| 1,3,5-Trimethylbenzene     | 2.704    | 2.617  | -       | 3.2    | 20     | 71    | 0        |
| 1,2,3-Trichloropropane     | 0.396    | 0.417  | -       | -5.3   | 20     | 78    | 0        |
| trans-1,4-Dichloro-2-buten | 0.175    | 0.234  | -       | -33.7* | 20     | 94    | 0        |
| 4-Chlorotoluene            | 2.23     | 2.145  | -       | 3.8    | 20     | 70    | 0        |
| tert-Butylbenzene          | 2.39     | 2.257  | -       | 5.6    | 20     | 68    | 0        |
| 1,2,4-Trimethylbenzene     | 2.587    | 2.539  | -       | 1.9    | 20     | 69    | 0        |
| Limonene                   | 40       | 36.238 | -       | 9.4    | 20     | 75    | 0        |
| sec-Butylbenzene           | 3.536    | 3.416  | -       | 3.4    | 20     | 70    | 0        |
| p-Isopropyltoluene         | 3.023    | 2.94   | -       | 2.7    | 20     | 70    | 0        |
| 1,3-Dichlorobenzene        | 1.487    | 1.445  | -       | 2.8    | 20     | 72    | 0        |
| 1,4-Dichlorobenzene        | 1.468    | 1.432  | -       | 2.5    | 20     | 73    | 0        |
| trans-Decahydronaphthalene | 0.819    | 0.729  | -       | 11     | 20     | 61    | 0        |
| Undecane                   | 1.226    | 1.274  | -       | -3.9   | 20     | 67    | 0        |
| p-Diethylbenzene           | 1.855    | 1.782  | -       | 3.9    | 20     | 69    | 0        |
| n-Butylbenzene             | 3.205    | 3.216  | -       | -0.3   | 20     | 72    | 0        |
| Hexachloroethane           | 0.525    | 0.448  | -       | 14.7   | 20     | 65    | 0        |
| 1,2-Dichlorobenzene        | 1.319    | 1.291  | -       | 2.1    | 20     | 70    | 0        |
| cis-Decahydronaphthalene   | 0.623    | 0.546  | -       | 12.4   | 20     | 61    | 0        |
| 1,2,4,5-Tetramethylbenzene | 2.514    | 2.527  | -       | -0.5   | 20     | 69    | 0        |
| 1,2-Dibromo-3-chloropropan | 0.075    | 0.084  | -       | -12    | 20     | 80    | 0        |
| 1,3,5-Trichlorobenzene     | 1.003    | 1.017  | -       | -1.4   | 20     | 76    | 0        |
| Nitrobenzene               | 0.025    | 0.023  | -       | 8      | 20     | 73    | 0        |
| Hexachlorobutadiene        | 0.464    | 0.441  | -       | 5      | 20     | 70    | 0        |
| 1,2,4-Trichlorobenzene     | 40       | 42.52  | -       | -6.3   | 20     | 81    | 0        |
| Naphthalene                | 40       | 44.932 | -       | -12.3  | 20     | 82    | 0        |
| 1,2,3-Trichlorobenzene     | 40       | 48.133 | -       | -20.3* | 20     | 88    | 0        |

\* Value outside of QC limits.



# Performance Evaluation Mixture Summary

## Form 15

### Pesticides

Client : HRP Associates, Inc  
 Project Name : TRURO DPW  
 Instrument ID : PEST20  
 PEM Standard : R1853906-1  
 Column 1 : RTX-5

Lab Number : L2439394  
 Project Number : TRU250.P2  
 Analysis Date : 07/17/24 13:51  
 Column 2 : RTX-CLPPesticides2

| Parameter       | Signal 1        | Signal 2        |
|-----------------|-----------------|-----------------|
| 4,4'-DDE        | 0               | 814980.13933    |
| Endrin          | 132887732.00001 | 228712790.68778 |
| 4,4'-DDD        | 320830.2899     | 1504410.33182   |
| 4,4'-DDT        | 248357097.74959 | 417958866.2377  |
| Endrin Aldehyde | 1574687.10329   | 3855318.81445   |
| Endrin Ketone   | 4912708.79369   | 7791795.30635   |

| Parameter | %Breakdown 1 | %Breakdown 2 |
|-----------|--------------|--------------|
| Endrin    | 4.65         | 4.84         |
| DDT       | 0.129        | 0.552        |





## ANALYTICAL REPORT

|                 |                                                              |
|-----------------|--------------------------------------------------------------|
| Lab Number:     | L2439397                                                     |
| Client:         | HRP Associates, Inc<br>13 Court Street<br>Plymouth, MA 02360 |
| ATTN:           | Bryan Massa                                                  |
| Phone:          | (781) 210-9840                                               |
| Project Name:   | TRURO DPW                                                    |
| Project Number: | TRU250.P2                                                    |
| Report Date:    | 07/19/24                                                     |

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

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Eight Walkup Drive, Westborough, MA 01581-1019  
508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439397  
**Report Date:** 07/19/24

| <b>Alpha<br/>Sample ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Sample<br/>Location</b> | <b>Collection<br/>Date/Time</b> | <b>Receive Date</b> |
|----------------------------|------------------|---------------|----------------------------|---------------------------------|---------------------|
| L2439397-01                | WC-TP5           | SOIL          | TRURO, MA                  | 07/11/24 10:00                  | 07/12/24            |

Project Name: TRURO DPW

Lab Number: L2439397

Project Number: TRU250.P2

Report Date: 07/19/24

**MADEP MCP Response Action Analytical Report Certification**

**This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.**

|                                                                                                              |                                                                                                                                                                                                                             |     |
|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| <b>An affirmative response to questions A through F is required for "Presumptive Certainty" status</b>       |                                                                                                                                                                                                                             |     |
| A                                                                                                            | Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times? | YES |
| B                                                                                                            | Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?                                                                                                        | YES |
| C                                                                                                            | Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?                                        | YES |
| D                                                                                                            | Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"                      | YES |
| E a.                                                                                                         | VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).                                                 | N/A |
| E b.                                                                                                         | APH and TO-15 Methods only: Was the complete analyte list reported for each method?                                                                                                                                         | N/A |
| F                                                                                                            | Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?                                   | YES |
| <b>A response to questions G, H and I is required for "Presumptive Certainty" status</b>                     |                                                                                                                                                                                                                             |     |
| G                                                                                                            | Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?                                                                                                                   | NO  |
| H                                                                                                            | Were all QC performance standards specified in the CAM protocol(s) achieved?                                                                                                                                                | NO  |
| I                                                                                                            | Were results reported for the complete analyte list specified in the selected CAM protocol(s)?                                                                                                                              | YES |
| <b>For any questions answered "No", please refer to the case narrative section on the following page(s).</b> |                                                                                                                                                                                                                             |     |

**Please note that sample matrix information is located in the Sample Results section of this report.**



**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439397  
**Report Date:** 07/19/24

### 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 Alpha 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, solids and tissues are reported on a dry 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, Alpha'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 Alpha Project Manager and made arrangements for Alpha 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.

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**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439397  
**Report Date:** 07/19/24

### Case Narrative (continued)

#### MCP Related Narratives

##### Sample Receipt

In reference to question H:

A Matrix Spike was not submitted for the analysis of Total Metals.

##### Volatile Organics.

In reference to question G:

L2439397-01: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

L2439397-01: Initial Calibration did not meet:

Lowest Calibration Standard Minimum Response Factor: 1,4-dioxane (0.0019)

Average Response Factor: 1,4-dioxane

Verification: carbon disulfide (62%)

L2439397-01: The associated continuing calibration standard is outside the acceptance criteria for several compounds; however, it is within overall method allowances. Associated results are considered to be biased high if the %D is negative and biased low if the %D is positive. A copy of the continuing calibration standard is included as an addendum to this report.

#### PCBs

L2439397-01D: The sample has elevated detection limits due to the dilution required by the sample matrix.

In reference to question G:

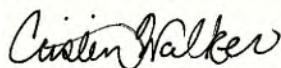
L2439397-01D: One or more of the target analytes did not achieve the requested CAM reporting limits.

#### Total Metals

L2439397-01: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

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:

 Cristin Walker

Title: Technical Director/Representative

Date: 07/19/24

## QC OUTLIER SUMMARY REPORT

**Project Name:** TRURO DPW**Lab Number:** L2439397**Project Number:** TRU250.P2**Report Date:** 07/19/24

| Method | Client ID (Native ID) | Lab ID | Parameter | QC Type | Recovery/RPD (%) | QC Limits (%) | Associated Samples | Data Quality Assessment |
|--------|-----------------------|--------|-----------|---------|------------------|---------------|--------------------|-------------------------|
|--------|-----------------------|--------|-----------|---------|------------------|---------------|--------------------|-------------------------|

There are no QC Outliers associated with this report.

# ORGANICS

# VOLATILES



Project Name: TRURO DPW

Lab Number: L2439397

Project Number: TRU250.P2

Report Date: 07/19/24

## SAMPLE RESULTS

Lab ID: L2439397-01

Date Collected: 07/11/24 10:00

Client ID: WC-TP5

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 141,8260D

Analytical Date: 07/16/24 11:05

Analyst: AJK

Percent Solids: 96%

| Parameter                                                | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|----------------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Volatile Organics by EPA 5035 High - Westborough Lab |        |           |       |     |     |                 |
| Methylene chloride                                       | ND     |           | ug/kg | 280 | --  | 1               |
| 1,1-Dichloroethane                                       | ND     |           | ug/kg | 55  | --  | 1               |
| Chloroform                                               | ND     |           | ug/kg | 83  | --  | 1               |
| Carbon tetrachloride                                     | ND     |           | ug/kg | 55  | --  | 1               |
| 1,2-Dichloropropane                                      | ND     |           | ug/kg | 55  | --  | 1               |
| Dibromochloromethane                                     | ND     |           | ug/kg | 55  | --  | 1               |
| 1,1,2-Trichloroethane                                    | ND     |           | ug/kg | 55  | --  | 1               |
| Tetrachloroethene                                        | ND     |           | ug/kg | 28  | --  | 1               |
| Chlorobenzene                                            | ND     |           | ug/kg | 28  | --  | 1               |
| Trichlorofluoromethane                                   | ND     |           | ug/kg | 220 | --  | 1               |
| 1,2-Dichloroethane                                       | ND     |           | ug/kg | 55  | --  | 1               |
| 1,1,1-Trichloroethane                                    | ND     |           | ug/kg | 28  | --  | 1               |
| Bromodichloromethane                                     | ND     |           | ug/kg | 28  | --  | 1               |
| trans-1,3-Dichloropropene                                | ND     |           | ug/kg | 55  | --  | 1               |
| cis-1,3-Dichloropropene                                  | ND     |           | ug/kg | 28  | --  | 1               |
| 1,3-Dichloropropene, Total                               | ND     |           | ug/kg | 28  | --  | 1               |
| 1,1-Dichloropropene                                      | ND     |           | ug/kg | 28  | --  | 1               |
| Bromoform                                                | ND     |           | ug/kg | 220 | --  | 1               |
| 1,1,2,2-Tetrachloroethane                                | ND     |           | ug/kg | 28  | --  | 1               |
| Benzene                                                  | 110    |           | ug/kg | 28  | --  | 1               |
| Toluene                                                  | 1400   |           | ug/kg | 55  | --  | 1               |
| Ethylbenzene                                             | 510    |           | ug/kg | 55  | --  | 1               |
| Chloromethane                                            | ND     |           | ug/kg | 220 | --  | 1               |
| Bromomethane                                             | ND     |           | ug/kg | 110 | --  | 1               |
| Vinyl chloride                                           | ND     |           | ug/kg | 55  | --  | 1               |
| Chloroethane                                             | ND     |           | ug/kg | 110 | --  | 1               |
| 1,1-Dichloroethene                                       | ND     |           | ug/kg | 55  | --  | 1               |
| trans-1,2-Dichloroethene                                 | ND     |           | ug/kg | 83  | --  | 1               |

Project Name: TRURO DPW

Lab Number: L2439397

Project Number: TRU250.P2

Report Date: 07/19/24

## SAMPLE RESULTS

Lab ID: L2439397-01

Date Collected: 07/11/24 10:00

Client ID: WC-TP5

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter                                                | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|----------------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Volatile Organics by EPA 5035 High - Westborough Lab |        |           |       |     |     |                 |
| Trichloroethene                                          | ND     |           | ug/kg | 28  | --  | 1               |
| 1,2-Dichlorobenzene                                      | ND     |           | ug/kg | 110 | --  | 1               |
| 1,3-Dichlorobenzene                                      | ND     |           | ug/kg | 110 | --  | 1               |
| 1,4-Dichlorobenzene                                      | ND     |           | ug/kg | 110 | --  | 1               |
| Methyl tert butyl ether                                  | 150    |           | ug/kg | 110 | --  | 1               |
| p/m-Xylene                                               | 2200   |           | ug/kg | 110 | --  | 1               |
| o-Xylene                                                 | 840    |           | ug/kg | 55  | --  | 1               |
| Xylenes, Total                                           | 3000   |           | ug/kg | 55  | --  | 1               |
| cis-1,2-Dichloroethene                                   | ND     |           | ug/kg | 55  | --  | 1               |
| 1,2-Dichloroethene, Total                                | ND     |           | ug/kg | 55  | --  | 1               |
| Dibromomethane                                           | ND     |           | ug/kg | 110 | --  | 1               |
| 1,2,3-Trichloropropane                                   | ND     |           | ug/kg | 110 | --  | 1               |
| Styrene                                                  | ND     |           | ug/kg | 55  | --  | 1               |
| Dichlorodifluoromethane                                  | ND     |           | ug/kg | 550 | --  | 1               |
| Acetone                                                  | ND     |           | ug/kg | 550 | --  | 1               |
| Carbon disulfide                                         | ND     |           | ug/kg | 550 | --  | 1               |
| Methyl ethyl ketone                                      | ND     |           | ug/kg | 550 | --  | 1               |
| Methyl isobutyl ketone                                   | ND     |           | ug/kg | 550 | --  | 1               |
| 2-Hexanone                                               | ND     |           | ug/kg | 550 | --  | 1               |
| Bromochloromethane                                       | ND     |           | ug/kg | 110 | --  | 1               |
| Tetrahydrofuran                                          | ND     |           | ug/kg | 220 | --  | 1               |
| 2,2-Dichloropropane                                      | ND     |           | ug/kg | 110 | --  | 1               |
| 1,2-Dibromoethane                                        | ND     |           | ug/kg | 55  | --  | 1               |
| 1,3-Dichloropropane                                      | ND     |           | ug/kg | 110 | --  | 1               |
| 1,1,1,2-Tetrachloroethane                                | ND     |           | ug/kg | 28  | --  | 1               |
| Bromobenzene                                             | ND     |           | ug/kg | 110 | --  | 1               |
| n-Butylbenzene                                           | 63     |           | ug/kg | 55  | --  | 1               |
| sec-Butylbenzene                                         | ND     |           | ug/kg | 55  | --  | 1               |
| tert-Butylbenzene                                        | ND     |           | ug/kg | 110 | --  | 1               |
| o-Chlorotoluene                                          | ND     |           | ug/kg | 110 | --  | 1               |
| p-Chlorotoluene                                          | ND     |           | ug/kg | 110 | --  | 1               |
| 1,2-Dibromo-3-chloropropane                              | ND     |           | ug/kg | 160 | --  | 1               |
| Hexachlorobutadiene                                      | ND     |           | ug/kg | 220 | --  | 1               |
| Isopropylbenzene                                         | ND     |           | ug/kg | 55  | --  | 1               |
| p-Isopropyltoluene                                       | ND     |           | ug/kg | 55  | --  | 1               |
| Naphthalene                                              | 290    |           | ug/kg | 220 | --  | 1               |
| n-Propylbenzene                                          | 220    |           | ug/kg | 55  | --  | 1               |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439397  
**Report Date:** 07/19/24

**SAMPLE RESULTS**

**Lab ID:** L2439397-01  
**Client ID:** WC-TP5  
**Sample Location:** TRURO, MA

**Date Collected:** 07/11/24 10:00  
**Date Received:** 07/12/24  
**Field Prep:** Not Specified

Sample Depth:

| Parameter                                                | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|----------------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics by EPA 5035 High - Westborough Lab |        |           |       |      |     |                 |
| 1,2,3-Trichlorobenzene                                   | ND     |           | ug/kg | 110  | --  | 1               |
| 1,2,4-Trichlorobenzene                                   | ND     |           | ug/kg | 110  | --  | 1               |
| 1,3,5-Trimethylbenzene                                   | 420    |           | ug/kg | 110  | --  | 1               |
| 1,2,4-Trimethylbenzene                                   | 1400   |           | ug/kg | 110  | --  | 1               |
| Diethyl ether                                            | ND     |           | ug/kg | 110  | --  | 1               |
| Diisopropyl Ether                                        | ND     |           | ug/kg | 110  | --  | 1               |
| Ethyl-Tert-Butyl-Ether                                   | ND     |           | ug/kg | 110  | --  | 1               |
| Tertiary-Amyl Methyl Ether                               | ND     |           | ug/kg | 110  | --  | 1               |
| 1,4-Dioxane                                              | ND     |           | ug/kg | 4400 | --  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 116        |           | 70-130              |
| Toluene-d8            | 98         |           | 70-130              |
| 4-Bromofluorobenzene  | 94         |           | 70-130              |
| Dibromofluoromethane  | 105        |           | 70-130              |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439397  
**Report Date:** 07/19/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 141,8260D  
 Analytical Date: 07/16/24 08:29  
 Analyst: AJK

| Parameter                                                                                     | Result | Qualifier | Units | RL  | MDL |
|-----------------------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| MCP Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG1948098-5 |        |           |       |     |     |
| Methylene chloride                                                                            | ND     |           | ug/kg | 250 | --  |
| 1,1-Dichloroethane                                                                            | ND     |           | ug/kg | 50  | --  |
| Chloroform                                                                                    | ND     |           | ug/kg | 75  | --  |
| Carbon tetrachloride                                                                          | ND     |           | ug/kg | 50  | --  |
| 1,2-Dichloropropane                                                                           | ND     |           | ug/kg | 50  | --  |
| Dibromochloromethane                                                                          | ND     |           | ug/kg | 50  | --  |
| 1,1,2-Trichloroethane                                                                         | ND     |           | ug/kg | 50  | --  |
| Tetrachloroethene                                                                             | ND     |           | ug/kg | 25  | --  |
| Chlorobenzene                                                                                 | ND     |           | ug/kg | 25  | --  |
| Trichlorofluoromethane                                                                        | ND     |           | ug/kg | 200 | --  |
| 1,2-Dichloroethane                                                                            | ND     |           | ug/kg | 50  | --  |
| 1,1,1-Trichloroethane                                                                         | ND     |           | ug/kg | 25  | --  |
| Bromodichloromethane                                                                          | ND     |           | ug/kg | 25  | --  |
| trans-1,3-Dichloropropene                                                                     | ND     |           | ug/kg | 50  | --  |
| cis-1,3-Dichloropropene                                                                       | ND     |           | ug/kg | 25  | --  |
| 1,3-Dichloropropene, Total                                                                    | ND     |           | ug/kg | 25  | --  |
| 1,1-Dichloropropene                                                                           | ND     |           | ug/kg | 25  | --  |
| Bromoform                                                                                     | ND     |           | ug/kg | 200 | --  |
| 1,1,2,2-Tetrachloroethane                                                                     | ND     |           | ug/kg | 25  | --  |
| Benzene                                                                                       | ND     |           | ug/kg | 25  | --  |
| Toluene                                                                                       | ND     |           | ug/kg | 50  | --  |
| Ethylbenzene                                                                                  | ND     |           | ug/kg | 50  | --  |
| Chloromethane                                                                                 | ND     |           | ug/kg | 200 | --  |
| Bromomethane                                                                                  | ND     |           | ug/kg | 100 | --  |
| Vinyl chloride                                                                                | ND     |           | ug/kg | 50  | --  |
| Chloroethane                                                                                  | ND     |           | ug/kg | 100 | --  |
| 1,1-Dichloroethene                                                                            | ND     |           | ug/kg | 50  | --  |
| trans-1,2-Dichloroethene                                                                      | ND     |           | ug/kg | 75  | --  |
| Trichloroethene                                                                               | ND     |           | ug/kg | 25  | --  |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439397  
**Report Date:** 07/19/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 141,8260D  
 Analytical Date: 07/16/24 08:29  
 Analyst: AJK

| Parameter                                                                                     | Result | Qualifier | Units | RL  | MDL |
|-----------------------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| MCP Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG1948098-5 |        |           |       |     |     |
| 1,2-Dichlorobenzene                                                                           | ND     |           | ug/kg | 100 | --  |
| 1,3-Dichlorobenzene                                                                           | ND     |           | ug/kg | 100 | --  |
| 1,4-Dichlorobenzene                                                                           | ND     |           | ug/kg | 100 | --  |
| Methyl tert butyl ether                                                                       | ND     |           | ug/kg | 100 | --  |
| p/m-Xylene                                                                                    | ND     |           | ug/kg | 100 | --  |
| o-Xylene                                                                                      | ND     |           | ug/kg | 50  | --  |
| Xylenes, Total                                                                                | ND     |           | ug/kg | 50  | --  |
| cis-1,2-Dichloroethene                                                                        | ND     |           | ug/kg | 50  | --  |
| 1,2-Dichloroethene, Total                                                                     | ND     |           | ug/kg | 50  | --  |
| Dibromomethane                                                                                | ND     |           | ug/kg | 100 | --  |
| 1,2,3-Trichloropropane                                                                        | ND     |           | ug/kg | 100 | --  |
| Styrene                                                                                       | ND     |           | ug/kg | 50  | --  |
| Dichlorodifluoromethane                                                                       | ND     |           | ug/kg | 500 | --  |
| Acetone                                                                                       | ND     |           | ug/kg | 500 | --  |
| Carbon disulfide                                                                              | ND     |           | ug/kg | 500 | --  |
| Methyl ethyl ketone                                                                           | ND     |           | ug/kg | 500 | --  |
| Methyl isobutyl ketone                                                                        | ND     |           | ug/kg | 500 | --  |
| 2-Hexanone                                                                                    | ND     |           | ug/kg | 500 | --  |
| Bromochloromethane                                                                            | ND     |           | ug/kg | 100 | --  |
| Tetrahydrofuran                                                                               | ND     |           | ug/kg | 200 | --  |
| 2,2-Dichloropropane                                                                           | ND     |           | ug/kg | 100 | --  |
| 1,2-Dibromoethane                                                                             | ND     |           | ug/kg | 50  | --  |
| 1,3-Dichloropropane                                                                           | ND     |           | ug/kg | 100 | --  |
| 1,1,1,2-Tetrachloroethane                                                                     | ND     |           | ug/kg | 25  | --  |
| Bromobenzene                                                                                  | ND     |           | ug/kg | 100 | --  |
| n-Butylbenzene                                                                                | ND     |           | ug/kg | 50  | --  |
| sec-Butylbenzene                                                                              | ND     |           | ug/kg | 50  | --  |
| tert-Butylbenzene                                                                             | ND     |           | ug/kg | 100 | --  |
| o-Chlorotoluene                                                                               | ND     |           | ug/kg | 100 | --  |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439397  
**Report Date:** 07/19/24

### Method Blank Analysis Batch Quality Control

**Analytical Method:** 141,8260D  
**Analytical Date:** 07/16/24 08:29  
**Analyst:** AJK

| Parameter                                                                                     | Result | Qualifier | Units | RL   | MDL |
|-----------------------------------------------------------------------------------------------|--------|-----------|-------|------|-----|
| MCP Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG1948098-5 |        |           |       |      |     |
| p-Chlorotoluene                                                                               | ND     |           | ug/kg | 100  | --  |
| 1,2-Dibromo-3-chloropropane                                                                   | ND     |           | ug/kg | 150  | --  |
| Hexachlorobutadiene                                                                           | ND     |           | ug/kg | 200  | --  |
| Isopropylbenzene                                                                              | ND     |           | ug/kg | 50   | --  |
| p-Isopropyltoluene                                                                            | ND     |           | ug/kg | 50   | --  |
| Naphthalene                                                                                   | ND     |           | ug/kg | 200  | --  |
| n-Propylbenzene                                                                               | ND     |           | ug/kg | 50   | --  |
| 1,2,3-Trichlorobenzene                                                                        | ND     |           | ug/kg | 100  | --  |
| 1,2,4-Trichlorobenzene                                                                        | ND     |           | ug/kg | 100  | --  |
| 1,3,5-Trimethylbenzene                                                                        | ND     |           | ug/kg | 100  | --  |
| 1,2,4-Trimethylbenzene                                                                        | ND     |           | ug/kg | 100  | --  |
| Diethyl ether                                                                                 | ND     |           | ug/kg | 100  | --  |
| Diisopropyl Ether                                                                             | ND     |           | ug/kg | 100  | --  |
| Ethyl-Tert-Butyl-Ether                                                                        | ND     |           | ug/kg | 100  | --  |
| Tertiary-Amyl Methyl Ether                                                                    | ND     |           | ug/kg | 100  | --  |
| 1,4-Dioxane                                                                                   | ND     |           | ug/kg | 4000 | --  |

| Surrogate             | %Recovery | Qualifier | Acceptance Criteria |
|-----------------------|-----------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 114       |           | 70-130              |
| Toluene-d8            | 100       |           | 70-130              |
| 4-Bromofluorobenzene  | 90        |           | 70-130              |
| Dibromofluoromethane  | 106       |           | 70-130              |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Lab Number: L2439397

Project Number: TRU250.P2

Report Date: 07/19/24

| Parameter                                                                                                        | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1948098-3 WG1948098-4 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride                                                                                               | 111              |      | 104               |      | 70-130              | 7   |      | 20            |
| 1,1-Dichloroethane                                                                                               | 108              |      | 100               |      | 70-130              | 8   |      | 20            |
| Chloroform                                                                                                       | 106              |      | 101               |      | 70-130              | 5   |      | 20            |
| Carbon tetrachloride                                                                                             | 111              |      | 103               |      | 70-130              | 7   |      | 20            |
| 1,2-Dichloropropane                                                                                              | 102              |      | 96                |      | 70-130              | 6   |      | 20            |
| Dibromochloromethane                                                                                             | 105              |      | 102               |      | 70-130              | 3   |      | 20            |
| 1,1,2-Trichloroethane                                                                                            | 101              |      | 97                |      | 70-130              | 4   |      | 20            |
| Tetrachloroethene                                                                                                | 112              |      | 103               |      | 70-130              | 8   |      | 20            |
| Chlorobenzene                                                                                                    | 103              |      | 96                |      | 70-130              | 7   |      | 20            |
| Trichlorofluoromethane                                                                                           | 107              |      | 112               |      | 70-130              | 5   |      | 20            |
| 1,2-Dichloroethane                                                                                               | 112              |      | 106               |      | 70-130              | 6   |      | 20            |
| 1,1,1-Trichloroethane                                                                                            | 116              |      | 108               |      | 70-130              | 7   |      | 20            |
| Bromodichloromethane                                                                                             | 106              |      | 102               |      | 70-130              | 4   |      | 20            |
| trans-1,3-Dichloropropene                                                                                        | 105              |      | 101               |      | 70-130              | 4   |      | 20            |
| cis-1,3-Dichloropropene                                                                                          | 104              |      | 100               |      | 70-130              | 4   |      | 20            |
| 1,1-Dichloropropene                                                                                              | 114              |      | 104               |      | 70-130              | 9   |      | 20            |
| Bromoform                                                                                                        | 103              |      | 102               |      | 70-130              | 1   |      | 20            |
| 1,1,2,2-Tetrachloroethane                                                                                        | 102              |      | 99                |      | 70-130              | 3   |      | 20            |
| Benzene                                                                                                          | 104              |      | 98                |      | 70-130              | 6   |      | 20            |
| Toluene                                                                                                          | 107              |      | 99                |      | 70-130              | 8   |      | 20            |
| Ethylbenzene                                                                                                     | 103              |      | 95                |      | 70-130              | 8   |      | 20            |
| Chloromethane                                                                                                    | 114              |      | 104               |      | 70-130              | 9   |      | 20            |
| Bromomethane                                                                                                     | 108              |      | 117               |      | 70-130              | 8   |      | 20            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU250.P2

Lab Number: L2439397

Report Date: 07/19/24

| Parameter                                                                                                        | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1948098-3 WG1948098-4 |                  |      |                   |      |                     |     |      |               |
| Vinyl chloride                                                                                                   | 111              |      | 108               |      | 70-130              | 3   |      | 20            |
| Chloroethane                                                                                                     | 82               |      | 83                |      | 70-130              | 1   |      | 20            |
| 1,1-Dichloroethene                                                                                               | 108              |      | 99                |      | 70-130              | 9   |      | 20            |
| trans-1,2-Dichloroethene                                                                                         | 105              |      | 98                |      | 70-130              | 7   |      | 20            |
| Trichloroethene                                                                                                  | 108              |      | 101               |      | 70-130              | 7   |      | 20            |
| 1,2-Dichlorobenzene                                                                                              | 102              |      | 98                |      | 70-130              | 4   |      | 20            |
| 1,3-Dichlorobenzene                                                                                              | 106              |      | 100               |      | 70-130              | 6   |      | 20            |
| 1,4-Dichlorobenzene                                                                                              | 103              |      | 97                |      | 70-130              | 6   |      | 20            |
| Methyl tert butyl ether                                                                                          | 114              |      | 111               |      | 70-130              | 3   |      | 20            |
| p/m-Xylene                                                                                                       | 104              |      | 97                |      | 70-130              | 7   |      | 20            |
| o-Xylene                                                                                                         | 102              |      | 96                |      | 70-130              | 6   |      | 20            |
| cis-1,2-Dichloroethene                                                                                           | 101              |      | 95                |      | 70-130              | 6   |      | 20            |
| Dibromomethane                                                                                                   | 103              |      | 100               |      | 70-130              | 3   |      | 20            |
| 1,2,3-Trichloropropane                                                                                           | 102              |      | 98                |      | 70-130              | 4   |      | 20            |
| Styrene                                                                                                          | 108              |      | 102               |      | 70-130              | 6   |      | 20            |
| Dichlorodifluoromethane                                                                                          | 117              |      | 106               |      | 70-130              | 10  |      | 20            |
| Acetone                                                                                                          | 106              |      | 103               |      | 70-130              | 3   |      | 20            |
| Carbon disulfide                                                                                                 | 104              |      | 94                |      | 70-130              | 10  |      | 20            |
| Methyl ethyl ketone                                                                                              | 95               |      | 97                |      | 70-130              | 2   |      | 20            |
| Methyl isobutyl ketone                                                                                           | 99               |      | 99                |      | 70-130              | 0   |      | 20            |
| 2-Hexanone                                                                                                       | 102              |      | 99                |      | 70-130              | 3   |      | 20            |
| Bromochloromethane                                                                                               | 105              |      | 101               |      | 70-130              | 4   |      | 20            |
| Tetrahydrofuran                                                                                                  | 120              |      | 120               |      | 70-130              | 0   |      | 20            |



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU250.P2

Lab Number: L2439397

Report Date: 07/19/24

| Parameter                                                                                                        | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1948098-3 WG1948098-4 |                  |      |                   |      |                     |     |      |               |
| 2,2-Dichloropropane                                                                                              | 111              |      | 102               |      | 70-130              | 8   |      | 20            |
| 1,2-Dibromoethane                                                                                                | 105              |      | 102               |      | 70-130              | 3   |      | 20            |
| 1,3-Dichloropropane                                                                                              | 102              |      | 98                |      | 70-130              | 4   |      | 20            |
| 1,1,1,2-Tetrachloroethane                                                                                        | 105              |      | 100               |      | 70-130              | 5   |      | 20            |
| Bromobenzene                                                                                                     | 98               |      | 93                |      | 70-130              | 5   |      | 20            |
| n-Butylbenzene                                                                                                   | 113              |      | 103               |      | 70-130              | 9   |      | 20            |
| sec-Butylbenzene                                                                                                 | 106              |      | 96                |      | 70-130              | 10  |      | 20            |
| tert-Butylbenzene                                                                                                | 102              |      | 95                |      | 70-130              | 7   |      | 20            |
| o-Chlorotoluene                                                                                                  | 104              |      | 107               |      | 70-130              | 3   |      | 20            |
| p-Chlorotoluene                                                                                                  | 105              |      | 97                |      | 70-130              | 8   |      | 20            |
| 1,2-Dibromo-3-chloropropane                                                                                      | 97               |      | 98                |      | 70-130              | 1   |      | 20            |
| Hexachlorobutadiene                                                                                              | 105              |      | 99                |      | 70-130              | 6   |      | 20            |
| Isopropylbenzene                                                                                                 | 103              |      | 94                |      | 70-130              | 9   |      | 20            |
| p-Isopropyltoluene                                                                                               | 105              |      | 97                |      | 70-130              | 8   |      | 20            |
| Naphthalene                                                                                                      | 98               |      | 95                |      | 70-130              | 3   |      | 20            |
| n-Propylbenzene                                                                                                  | 106              |      | 97                |      | 70-130              | 9   |      | 20            |
| 1,2,3-Trichlorobenzene                                                                                           | 104              |      | 102               |      | 70-130              | 2   |      | 20            |
| 1,2,4-Trichlorobenzene                                                                                           | 108              |      | 103               |      | 70-130              | 5   |      | 20            |
| 1,3,5-Trimethylbenzene                                                                                           | 103              |      | 95                |      | 70-130              | 8   |      | 20            |
| 1,2,4-Trimethylbenzene                                                                                           | 101              |      | 93                |      | 70-130              | 8   |      | 20            |
| Diethyl ether                                                                                                    | 117              |      | 113               |      | 70-130              | 3   |      | 20            |
| Diisopropyl Ether                                                                                                | 105              |      | 99                |      | 70-130              | 6   |      | 20            |
| Ethyl-Tert-Butyl-Ether                                                                                           | 103              |      | 100               |      | 70-130              | 3   |      | 20            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Lab Number: L2439397

Project Number: TRU250.P2

Report Date: 07/19/24

| Parameter                                                                                                        | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1948098-3 WG1948098-4 |                  |      |                   |      |                     |     |      |               |
| Tertiary-Amyl Methyl Ether                                                                                       | 98               |      | 95                |      | 70-130              | 3   |      | 20            |
| 1,4-Dioxane                                                                                                      | 90               |      | 91                |      | 70-130              | 1   |      | 20            |

| Surrogate             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|-----------------------|------------------|------|-------------------|------|------------------------|
| 1,2-Dichloroethane-d4 | 113              |      | 112               |      | 70-130                 |
| Toluene-d8            | 101              |      | 99                |      | 70-130                 |
| 4-Bromofluorobenzene  | 96               |      | 93                |      | 70-130                 |
| Dibromofluoromethane  | 105              |      | 106               |      | 70-130                 |

# SEMIVOLATILES

Project Name: TRURO DPW

Lab Number: L2439397

Project Number: TRU250.P2

Report Date: 07/19/24

## SAMPLE RESULTS

Lab ID: L2439397-01

Date Collected: 07/11/24 10:00

Client ID: WC-TP5

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 141,8270E

Extraction Date: 07/14/24 08:47

Analytical Date: 07/16/24 09:07

Analyst: SZ

Percent Solids: 96%

| Parameter                                   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Semivolatile Organics - Westborough Lab |        |           |       |     |     |                 |
| Acenaphthene                                | 920    |           | ug/kg | 140 | --  | 1               |
| 1,2,4-Trichlorobenzene                      | ND     |           | ug/kg | 170 | --  | 1               |
| Hexachlorobenzene                           | ND     |           | ug/kg | 71  | --  | 1               |
| Bis(2-chloroethyl)ether                     | 160    |           | ug/kg | 71  | --  | 1               |
| 2-Chloronaphthalene                         | ND     |           | ug/kg | 170 | --  | 1               |
| 1,2-Dichlorobenzene                         | ND     |           | ug/kg | 170 | --  | 1               |
| 1,3-Dichlorobenzene                         | ND     |           | ug/kg | 170 | --  | 1               |
| 1,4-Dichlorobenzene                         | ND     |           | ug/kg | 71  | --  | 1               |
| 3,3'-Dichlorobenzidine                      | ND     |           | ug/kg | 170 | --  | 1               |
| 2,4-Dinitrotoluene                          | ND     |           | ug/kg | 71  | --  | 1               |
| 2,6-Dinitrotoluene                          | ND     |           | ug/kg | 170 | --  | 1               |
| Azobenzene                                  | ND     |           | ug/kg | 170 | --  | 1               |
| Fluoranthene                                | 800    |           | ug/kg | 100 | --  | 1               |
| 4-Bromophenyl phenyl ether                  | ND     |           | ug/kg | 170 | --  | 1               |
| Bis(2-chloroisopropyl)ether                 | ND     |           | ug/kg | 71  | --  | 1               |
| Bis(2-chloroethoxy)methane                  | ND     |           | ug/kg | 180 | --  | 1               |
| Hexachlorobutadiene                         | ND     |           | ug/kg | 170 | --  | 1               |
| Hexachloroethane                            | ND     |           | ug/kg | 71  | --  | 1               |
| Isophorone                                  | ND     |           | ug/kg | 150 | --  | 1               |
| Naphthalene                                 | 8100   | E         | ug/kg | 170 | --  | 1               |
| Nitrobenzene                                | ND     |           | ug/kg | 150 | --  | 1               |
| Bis(2-ethylhexyl)phthalate                  | 790    |           | ug/kg | 170 | --  | 1               |
| Butyl benzyl phthalate                      | ND     |           | ug/kg | 170 | --  | 1               |
| Di-n-butylphthalate                         | ND     |           | ug/kg | 170 | --  | 1               |
| Di-n-octylphthalate                         | ND     |           | ug/kg | 170 | --  | 1               |
| Diethyl phthalate                           | ND     |           | ug/kg | 170 | --  | 1               |
| Dimethyl phthalate                          | ND     |           | ug/kg | 71  | --  | 1               |
| Benzo(a)anthracene                          | 380    |           | ug/kg | 100 | --  | 1               |

Project Name: TRURO DPW

Lab Number: L2439397

Project Number: TRU250.P2

Report Date: 07/19/24

## SAMPLE RESULTS

Lab ID: L2439397-01

Date Collected: 07/11/24 10:00

Client ID: WC-TP5

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter                                   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Semivolatile Organics - Westborough Lab |        |           |       |     |     |                 |
| Benzo(a)pyrene                              | 470    |           | ug/kg | 140 | --  | 1               |
| Benzo(b)fluoranthene                        | 550    |           | ug/kg | 100 | --  | 1               |
| Benzo(k)fluoranthene                        | 120    |           | ug/kg | 100 | --  | 1               |
| Chrysene                                    | 380    |           | ug/kg | 100 | --  | 1               |
| Acenaphthylene                              | ND     |           | ug/kg | 140 | --  | 1               |
| Anthracene                                  | 390    |           | ug/kg | 100 | --  | 1               |
| Benzo(ghi)perylene                          | 370    |           | ug/kg | 140 | --  | 1               |
| Fluorene                                    | 640    |           | ug/kg | 170 | --  | 1               |
| Phenanthrene                                | 1500   |           | ug/kg | 100 | --  | 1               |
| Dibenzo(a,h)anthracene                      | ND     |           | ug/kg | 71  | --  | 1               |
| Indeno(1,2,3-cd)pyrene                      | 270    |           | ug/kg | 140 | --  | 1               |
| Pyrene                                      | 810    |           | ug/kg | 100 | --  | 1               |
| Aniline                                     | ND     |           | ug/kg | 200 | --  | 1               |
| 4-Chloroaniline                             | ND     |           | ug/kg | 170 | --  | 1               |
| Dibenzofuran                                | 620    |           | ug/kg | 170 | --  | 1               |
| 2-Methylnaphthalene                         | 4600   |           | ug/kg | 71  | --  | 1               |
| Acetophenone                                | ND     |           | ug/kg | 170 | --  | 1               |
| 2,4,6-Trichlorophenol                       | ND     |           | ug/kg | 71  | --  | 1               |
| 2-Chlorophenol                              | ND     |           | ug/kg | 71  | --  | 1               |
| 2,4-Dichlorophenol                          | ND     |           | ug/kg | 71  | --  | 1               |
| 2,4-Dimethylphenol                          | ND     |           | ug/kg | 71  | --  | 1               |
| 2-Nitrophenol                               | ND     |           | ug/kg | 370 | --  | 1               |
| 4-Nitrophenol                               | ND     |           | ug/kg | 240 | --  | 1               |
| 2,4-Dinitrophenol                           | ND     |           | ug/kg | 810 | --  | 1               |
| Pentachlorophenol                           | ND     |           | ug/kg | 340 | --  | 1               |
| Phenol                                      | 250    |           | ug/kg | 170 | --  | 1               |
| 2-Methylphenol                              | ND     |           | ug/kg | 170 | --  | 1               |
| 3-Methylphenol/4-Methylphenol               | ND     |           | ug/kg | 240 | --  | 1               |
| 2,4,5-Trichlorophenol                       | ND     |           | ug/kg | 170 | --  | 1               |
| Biphenyl                                    | 420    |           | ug/kg | 34  | --  | 1               |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439397  
**Report Date:** 07/19/24

**SAMPLE RESULTS**

**Lab ID:** L2439397-01  
**Client ID:** WC-TP5  
**Sample Location:** TRURO, MA

**Date Collected:** 07/11/24 10:00  
**Date Received:** 07/12/24  
**Field Prep:** Not Specified

**Sample Depth:**

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

MCP Semivolatile Organics - Westborough Lab

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 88         |           | 30-130              |
| Phenol-d6            | 88         |           | 30-130              |
| Nitrobenzene-d5      | 86         |           | 30-130              |
| 2-Fluorobiphenyl     | 72         |           | 30-130              |
| 2,4,6-Tribromophenol | 100        |           | 30-130              |
| 4-Terphenyl-d14      | 72         |           | 30-130              |

**Project Name:** TRURO DPW**Lab Number:** L2439397**Project Number:** TRU250.P2**Report Date:** 07/19/24**SAMPLE RESULTS**

Lab ID: L2439397-01 D

Date Collected: 07/11/24 10:00

Client ID: WC-TP5

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 141,8270E

Extraction Date: 07/14/24 08:47

Analytical Date: 07/18/24 16:01

Analyst: IM

Percent Solids: 96%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

## MCP Semivolatile Organics - Westborough Lab

|             |      |  |       |     |    |   |
|-------------|------|--|-------|-----|----|---|
| Naphthalene | 7000 |  | ug/kg | 850 | -- | 5 |
|-------------|------|--|-------|-----|----|---|

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439397  
**Report Date:** 07/19/24

### Method Blank Analysis Batch Quality Control

**Analytical Method:** 141,8270E  
**Analytical Date:** 07/15/24 12:13  
**Analyst:** SZ

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/14/24 08:47

| Parameter                                                                        | Result | Qualifier | Units | RL  | MDL |
|----------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| MCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG1946726-1 |        |           |       |     |     |
| Acenaphthene                                                                     | ND     |           | ug/kg | 130 | --  |
| 1,2,4-Trichlorobenzene                                                           | ND     |           | ug/kg | 160 | --  |
| Hexachlorobenzene                                                                | ND     |           | ug/kg | 69  | --  |
| Bis(2-chloroethyl)ether                                                          | ND     |           | ug/kg | 69  | --  |
| 2-Chloronaphthalene                                                              | ND     |           | ug/kg | 160 | --  |
| 1,2-Dichlorobenzene                                                              | ND     |           | ug/kg | 160 | --  |
| 1,3-Dichlorobenzene                                                              | ND     |           | ug/kg | 160 | --  |
| 1,4-Dichlorobenzene                                                              | ND     |           | ug/kg | 69  | --  |
| 3,3'-Dichlorobenzidine                                                           | ND     |           | ug/kg | 160 | --  |
| 2,4-Dinitrotoluene                                                               | ND     |           | ug/kg | 69  | --  |
| 2,6-Dinitrotoluene                                                               | ND     |           | ug/kg | 160 | --  |
| Azobenzene                                                                       | ND     |           | ug/kg | 160 | --  |
| Fluoranthene                                                                     | ND     |           | ug/kg | 99  | --  |
| 4-Bromophenyl phenyl ether                                                       | ND     |           | ug/kg | 160 | --  |
| Bis(2-chloroisopropyl)ether                                                      | ND     |           | ug/kg | 69  | --  |
| Bis(2-chloroethoxy)methane                                                       | ND     |           | ug/kg | 180 | --  |
| Hexachlorobutadiene                                                              | ND     |           | ug/kg | 160 | --  |
| Hexachloroethane                                                                 | ND     |           | ug/kg | 69  | --  |
| Isophorone                                                                       | ND     |           | ug/kg | 150 | --  |
| Naphthalene                                                                      | ND     |           | ug/kg | 160 | --  |
| Nitrobenzene                                                                     | ND     |           | ug/kg | 150 | --  |
| Bis(2-ethylhexyl)phthalate                                                       | ND     |           | ug/kg | 160 | --  |
| Butyl benzyl phthalate                                                           | ND     |           | ug/kg | 160 | --  |
| Di-n-butylphthalate                                                              | ND     |           | ug/kg | 160 | --  |
| Di-n-octylphthalate                                                              | ND     |           | ug/kg | 160 | --  |
| Diethyl phthalate                                                                | ND     |           | ug/kg | 160 | --  |
| Dimethyl phthalate                                                               | ND     |           | ug/kg | 69  | --  |
| Benzo(a)anthracene                                                               | ND     |           | ug/kg | 99  | --  |
| Benzo(a)pyrene                                                                   | ND     |           | ug/kg | 130 | --  |



**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439397  
**Report Date:** 07/19/24

### Method Blank Analysis Batch Quality Control

**Analytical Method:** 141,8270E  
**Analytical Date:** 07/15/24 12:13  
**Analyst:** SZ

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/14/24 08:47

| Parameter                                                                        | Result | Qualifier | Units | RL  | MDL |
|----------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| MCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG1946726-1 |        |           |       |     |     |
| Benzo(b)fluoranthene                                                             | ND     |           | ug/kg | 99  | --  |
| Benzo(k)fluoranthene                                                             | ND     |           | ug/kg | 99  | --  |
| Chrysene                                                                         | ND     |           | ug/kg | 99  | --  |
| Acenaphthylene                                                                   | ND     |           | ug/kg | 130 | --  |
| Anthracene                                                                       | ND     |           | ug/kg | 99  | --  |
| Benzo(ghi)perylene                                                               | ND     |           | ug/kg | 130 | --  |
| Fluorene                                                                         | ND     |           | ug/kg | 160 | --  |
| Phenanthrene                                                                     | ND     |           | ug/kg | 99  | --  |
| Dibenzo(a,h)anthracene                                                           | ND     |           | ug/kg | 69  | --  |
| Indeno(1,2,3-cd)pyrene                                                           | ND     |           | ug/kg | 130 | --  |
| Pyrene                                                                           | ND     |           | ug/kg | 99  | --  |
| Aniline                                                                          | ND     |           | ug/kg | 200 | --  |
| 4-Chloroaniline                                                                  | ND     |           | ug/kg | 160 | --  |
| Dibenzofuran                                                                     | ND     |           | ug/kg | 160 | --  |
| 2-Methylnaphthalene                                                              | ND     |           | ug/kg | 69  | --  |
| Acetophenone                                                                     | ND     |           | ug/kg | 160 | --  |
| 2,4,6-Trichlorophenol                                                            | ND     |           | ug/kg | 69  | --  |
| 2-Chlorophenol                                                                   | ND     |           | ug/kg | 69  | --  |
| 2,4-Dichlorophenol                                                               | ND     |           | ug/kg | 69  | --  |
| 2,4-Dimethylphenol                                                               | ND     |           | ug/kg | 69  | --  |
| 2-Nitrophenol                                                                    | ND     |           | ug/kg | 360 | --  |
| 4-Nitrophenol                                                                    | ND     |           | ug/kg | 230 | --  |
| 2,4-Dinitrophenol                                                                | ND     |           | ug/kg | 790 | --  |
| Pentachlorophenol                                                                | ND     |           | ug/kg | 330 | --  |
| Phenol                                                                           | ND     |           | ug/kg | 160 | --  |
| 2-Methylphenol                                                                   | ND     |           | ug/kg | 160 | --  |
| 3-Methylphenol/4-Methylphenol                                                    | ND     |           | ug/kg | 240 | --  |
| 2,4,5-Trichlorophenol                                                            | ND     |           | ug/kg | 160 | --  |
| Biphenyl                                                                         | ND     |           | ug/kg | 33  | --  |

**Project Name:** TRURO DPW**Project Number:** TRU250.P2**Lab Number:** L2439397**Report Date:** 07/19/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 141,8270E  
 Analytical Date: 07/15/24 12:13  
 Analyst: SZ

Extraction Method: EPA 3546  
 Extraction Date: 07/14/24 08:47

| Parameter                                                                        | Result | Qualifier | Units | RL | MDL |
|----------------------------------------------------------------------------------|--------|-----------|-------|----|-----|
| MCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG1946726-1 |        |           |       |    |     |

| Surrogate            | %Recovery | Qualifier | Acceptance<br>Criteria |
|----------------------|-----------|-----------|------------------------|
| 2-Fluorophenol       | 80        |           | 30-130                 |
| Phenol-d6            | 80        |           | 30-130                 |
| Nitrobenzene-d5      | 96        |           | 30-130                 |
| 2-Fluorobiphenyl     | 97        |           | 30-130                 |
| 2,4,6-Tribromophenol | 87        |           | 30-130                 |
| 4-Terphenyl-d14      | 108       |           | 30-130                 |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU250.P2

Lab Number: L2439397

Report Date: 07/19/24

| Parameter                                                                                           | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG1946726-2 WG1946726-3 |                  |      |                   |      |                     |     |      |               |
| Acenaphthene                                                                                        | 71               |      | 85                |      | 40-140              | 18  |      | 30            |
| 1,2,4-Trichlorobenzene                                                                              | 74               |      | 86                |      | 40-140              | 15  |      | 30            |
| Hexachlorobenzene                                                                                   | 78               |      | 94                |      | 40-140              | 19  |      | 30            |
| Bis(2-chloroethyl)ether                                                                             | 62               |      | 69                |      | 40-140              | 11  |      | 30            |
| 2-Chloronaphthalene                                                                                 | 78               |      | 90                |      | 40-140              | 14  |      | 30            |
| 1,2-Dichlorobenzene                                                                                 | 65               |      | 76                |      | 40-140              | 16  |      | 30            |
| 1,3-Dichlorobenzene                                                                                 | 64               |      | 72                |      | 40-140              | 12  |      | 30            |
| 1,4-Dichlorobenzene                                                                                 | 65               |      | 72                |      | 40-140              | 10  |      | 30            |
| 3,3'-Dichlorobenzidine                                                                              | 62               |      | 73                |      | 40-140              | 16  |      | 30            |
| 2,4-Dinitrotoluene                                                                                  | 86               |      | 98                |      | 40-140              | 13  |      | 30            |
| 2,6-Dinitrotoluene                                                                                  | 89               |      | 101               |      | 40-140              | 13  |      | 30            |
| Azobenzene                                                                                          | 80               |      | 95                |      | 40-140              | 17  |      | 30            |
| Fluoranthene                                                                                        | 89               |      | 100               |      | 40-140              | 12  |      | 30            |
| 4-Bromophenyl phenyl ether                                                                          | 82               |      | 98                |      | 40-140              | 18  |      | 30            |
| Bis(2-chloroisopropyl)ether                                                                         | 67               |      | 77                |      | 40-140              | 14  |      | 30            |
| Bis(2-chloroethoxy)methane                                                                          | 67               |      | 78                |      | 40-140              | 15  |      | 30            |
| Hexachlorobutadiene                                                                                 | 87               |      | 104               |      | 40-140              | 18  |      | 30            |
| Hexachloroethane                                                                                    | 69               |      | 80                |      | 40-140              | 15  |      | 30            |
| Isophorone                                                                                          | 71               |      | 84                |      | 40-140              | 17  |      | 30            |
| Naphthalene                                                                                         | 70               |      | 80                |      | 40-140              | 13  |      | 30            |
| Nitrobenzene                                                                                        | 76               |      | 90                |      | 40-140              | 17  |      | 30            |
| Bis(2-ethylhexyl)phthalate                                                                          | 69               |      | 79                |      | 40-140              | 14  |      | 30            |
| Butyl benzyl phthalate                                                                              | 84               |      | 93                |      | 40-140              | 10  |      | 30            |

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** TRURO DPW

**Project Number:** TRU250.P2

**Lab Number:** L2439397

**Report Date:** 07/19/24

| Parameter                                                                                           | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG1946726-2 WG1946726-3 |                  |      |                   |      |                     |     |      |               |
| Di-n-butylphthalate                                                                                 | 82               |      | 92                |      | 40-140              | 11  |      | 30            |
| Di-n-octylphthalate                                                                                 | 67               |      | 76                |      | 40-140              | 13  |      | 30            |
| Diethyl phthalate                                                                                   | 77               |      | 91                |      | 40-140              | 17  |      | 30            |
| Dimethyl phthalate                                                                                  | 83               |      | 96                |      | 40-140              | 15  |      | 30            |
| Benzo(a)anthracene                                                                                  | 74               |      | 86                |      | 40-140              | 15  |      | 30            |
| Benzo(a)pyrene                                                                                      | 74               |      | 84                |      | 40-140              | 13  |      | 30            |
| Benzo(b)fluoranthene                                                                                | 75               |      | 82                |      | 40-140              | 9   |      | 30            |
| Benzo(k)fluoranthene                                                                                | 69               |      | 87                |      | 40-140              | 23  |      | 30            |
| Chrysene                                                                                            | 75               |      | 85                |      | 40-140              | 13  |      | 30            |
| Acenaphthylene                                                                                      | 78               |      | 88                |      | 40-140              | 12  |      | 30            |
| Anthracene                                                                                          | 80               |      | 89                |      | 40-140              | 11  |      | 30            |
| Benzo(ghi)perylene                                                                                  | 75               |      | 86                |      | 40-140              | 14  |      | 30            |
| Fluorene                                                                                            | 74               |      | 87                |      | 40-140              | 16  |      | 30            |
| Phenanthrene                                                                                        | 80               |      | 88                |      | 40-140              | 10  |      | 30            |
| Dibenzo(a,h)anthracene                                                                              | 74               |      | 85                |      | 40-140              | 14  |      | 30            |
| Indeno(1,2,3-cd)pyrene                                                                              | 73               |      | 86                |      | 40-140              | 16  |      | 30            |
| Pyrene                                                                                              | 88               |      | 101               |      | 40-140              | 14  |      | 30            |
| Aniline                                                                                             | 47               |      | 52                |      | 40-140              | 10  |      | 30            |
| 4-Chloroaniline                                                                                     | 75               |      | 85                |      | 40-140              | 13  |      | 30            |
| Dibenzofuran                                                                                        | 77               |      | 89                |      | 40-140              | 14  |      | 30            |
| 2-Methylnaphthalene                                                                                 | 72               |      | 84                |      | 40-140              | 15  |      | 30            |
| Acetophenone                                                                                        | 63               |      | 73                |      | 40-140              | 15  |      | 30            |
| 2,4,6-Trichlorophenol                                                                               | 93               |      | 106               |      | 30-130              | 13  |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Lab Number: L2439397

Project Number: TRU250.P2

Report Date: 07/19/24

| Parameter                                                                                           | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG1946726-2 WG1946726-3 |                  |      |                   |      |                     |     |      |               |
| 2-Chlorophenol                                                                                      | 67               |      | 79                |      | 30-130              | 16  |      | 30            |
| 2,4-Dichlorophenol                                                                                  | 77               |      | 92                |      | 30-130              | 18  |      | 30            |
| 2,4-Dimethylphenol                                                                                  | 64               |      | 76                |      | 30-130              | 17  |      | 30            |
| 2-Nitrophenol                                                                                       | 74               |      | 88                |      | 30-130              | 17  |      | 30            |
| 4-Nitrophenol                                                                                       | 82               |      | 94                |      | 30-130              | 14  |      | 30            |
| 2,4-Dinitrophenol                                                                                   | 73               |      | 86                |      | 30-130              | 16  |      | 30            |
| Pentachlorophenol                                                                                   | 66               |      | 77                |      | 30-130              | 15  |      | 30            |
| Phenol                                                                                              | 71               |      | 80                |      | 30-130              | 12  |      | 30            |
| 2-Methylphenol                                                                                      | 68               |      | 81                |      | 30-130              | 17  |      | 30            |
| 3-Methylphenol/4-Methylphenol                                                                       | 68               |      | 83                |      | 30-130              | 20  |      | 30            |
| 2,4,5-Trichlorophenol                                                                               | 93               |      | 110               |      | 30-130              | 17  |      | 30            |
| Biphenyl                                                                                            | 69               |      | 79                |      | 40-140              | 14  |      | 30            |

| Surrogate            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|----------------------|------------------|------|-------------------|------|------------------------|
| 2-Fluorophenol       | 63               |      | 76                |      | 30-130                 |
| Phenol-d6            | 73               |      | 82                |      | 30-130                 |
| Nitrobenzene-d5      | 78               |      | 93                |      | 30-130                 |
| 2-Fluorobiphenyl     | 81               |      | 93                |      | 30-130                 |
| 2,4,6-Tribromophenol | 74               |      | 88                |      | 30-130                 |
| 4-Terphenyl-d14      | 87               |      | 100               |      | 30-130                 |

# **PETROLEUM HYDROCARBONS**

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439397  
**Report Date:** 07/19/24

**SAMPLE RESULTS**

Lab ID: L2439397-01 D  
 Client ID: WC-TP5  
 Sample Location: TRURO, MA

Date Collected: 07/11/24 10:00  
 Date Received: 07/12/24  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 1,8015D(M)  
 Analytical Date: 07/16/24 13:45  
 Analyst: CRE  
 Percent Solids: 96%

Extraction Method: EPA 3546  
 Extraction Date: 07/14/24 12:23

| Parameter                                            | Result     | Qualifier | Units     | RL                  | MDL | Dilution Factor |
|------------------------------------------------------|------------|-----------|-----------|---------------------|-----|-----------------|
| Petroleum Hydrocarbon Quantitation - Westborough Lab |            |           |           |                     |     |                 |
| TPH (C10-C36)                                        | 1720000    |           | ug/kg     | 332000              | --  | 10              |
| Surrogate                                            | % Recovery |           | Qualifier | Acceptance Criteria |     |                 |
| o-Terphenyl                                          | 77         |           |           | 40-140              |     |                 |

Project Name: TRURO DPW

Project Number: TRU250.P2

Lab Number: L2439397

Report Date: 07/19/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8015D(M)  
 Analytical Date: 07/15/24 09:03  
 Analyst: CRE

Extraction Method: EPA 3546  
 Extraction Date: 07/14/24 12:23

| Parameter                                                                                 | Result | Qualifier | Units | RL    | MDL |
|-------------------------------------------------------------------------------------------|--------|-----------|-------|-------|-----|
| Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01 Batch: WG1946769-1 |        |           |       |       |     |
| TPH (C10-C36)                                                                             | ND     |           | ug/kg | 32000 | --  |

| Surrogate   | %Recovery | Qualifier | Acceptance<br>Criteria |
|-------------|-----------|-----------|------------------------|
| o-Terphenyl | 62        |           | 40-140                 |



**Lab Control Sample Analysis****Batch Quality Control****Project Name:** TRURO DPW**Lab Number:** L2439397**Project Number:** TRU250.P2**Report Date:** 07/19/24

| <b>Parameter</b>                                                                                 | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>%Recovery<br/>Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD<br/>Limits</b> |
|--------------------------------------------------------------------------------------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
| Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01 Batch: WG1946769-2 |                          |             |                           |             |                             |            |             |                       |
| TPH (C10-C36)                                                                                    | 68                       |             | -                         |             | 40-140                      | -          |             | 40                    |

| <b>Surrogate</b> | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>Acceptance<br/>Criteria</b> |
|------------------|--------------------------|-------------|---------------------------|-------------|--------------------------------|
| o-Terphenyl      | 62                       |             |                           |             | 40-140                         |

Lab Duplicate Analysis  
Batch Quality Control

Project Name: TRURO DPW  
Project Number: TRU250.P2

Lab Number: L2439397  
Report Date: 07/19/24

| Parameter                                                                                                                                       | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1946769-3 QC Sample: L2439397-01 Client ID: WC-TP5 |               |                  |       |     |      |            |
| TPH (C10-C36)                                                                                                                                   | 1720000       | 2270000          | ug/kg | 28  |      | 40         |

| Surrogate   | %Recovery | Qualifier | %Recovery | Qualifier | Acceptance Criteria |
|-------------|-----------|-----------|-----------|-----------|---------------------|
| o-Terphenyl | 77        |           | 87        |           | 40-140              |



# PCBS

**Project Name:** TRURO DPW**Lab Number:** L2439397**Project Number:** TRU250.P2**Report Date:** 07/19/24**SAMPLE RESULTS**

Lab ID: L2439397-01 D

Date Collected: 07/11/24 10:00

Client ID: WC-TP5

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 97,8082A

Extraction Date: 07/14/24 20:19

Analytical Date: 07/15/24 18:51

Cleanup Method: EPA 3665A

Analyst: EMR

Cleanup Date: 07/15/24

Percent Solids: 96%

Cleanup Method: EPA 3660B

Cleanup Date: 07/15/24

| Parameter                                       | Result | Qualifier | Units | RL  | MDL | Dilution Factor | Column |
|-------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|--------|
| MCP Polychlorinated Biphenyls - Westborough Lab |        |           |       |     |     |                 |        |
| Aroclor 1016                                    | ND     |           | ug/kg | 251 | --  | 5               | A      |
| Aroclor 1221                                    | ND     |           | ug/kg | 251 | --  | 5               | A      |
| Aroclor 1232                                    | ND     |           | ug/kg | 251 | --  | 5               | A      |
| Aroclor 1242                                    | ND     |           | ug/kg | 251 | --  | 5               | A      |
| Aroclor 1248                                    | ND     |           | ug/kg | 251 | --  | 5               | A      |
| Aroclor 1254                                    | ND     |           | ug/kg | 251 | --  | 5               | A      |
| Aroclor 1260                                    | ND     |           | ug/kg | 251 | --  | 5               | A      |
| Aroclor 1262                                    | ND     |           | ug/kg | 251 | --  | 5               | A      |
| Aroclor 1268                                    | ND     |           | ug/kg | 251 | --  | 5               | A      |
| PCBs, Total                                     | ND     |           | ug/kg | 251 | --  | 5               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 74         |           | 30-150              | A      |
| Decachlorobiphenyl           | 55         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 63         |           | 30-150              | B      |
| Decachlorobiphenyl           | 56         |           | 30-150              | B      |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439397  
**Report Date:** 07/19/24

### Method Blank Analysis Batch Quality Control

**Analytical Method:** 97,8082A  
**Analytical Date:** 07/15/24 17:40  
**Analyst:** EMR

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/14/24 20:19  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 07/15/24  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 07/15/24

| Parameter                                                                            | Result | Qualifier | Units | RL   | MDL | Column |
|--------------------------------------------------------------------------------------|--------|-----------|-------|------|-----|--------|
| MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01 Batch: WG1946836-1 |        |           |       |      |     |        |
| Aroclor 1016                                                                         | ND     |           | ug/kg | 49.0 | --  | A      |
| Aroclor 1221                                                                         | ND     |           | ug/kg | 49.0 | --  | A      |
| Aroclor 1232                                                                         | ND     |           | ug/kg | 49.0 | --  | A      |
| Aroclor 1242                                                                         | ND     |           | ug/kg | 49.0 | --  | A      |
| Aroclor 1248                                                                         | ND     |           | ug/kg | 49.0 | --  | A      |
| Aroclor 1254                                                                         | ND     |           | ug/kg | 49.0 | --  | A      |
| Aroclor 1260                                                                         | ND     |           | ug/kg | 49.0 | --  | A      |
| Aroclor 1262                                                                         | ND     |           | ug/kg | 49.0 | --  | A      |
| Aroclor 1268                                                                         | ND     |           | ug/kg | 49.0 | --  | A      |
| PCBs, Total                                                                          | ND     |           | ug/kg | 49.0 | --  | A      |

| Surrogate                    | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 72        |           | 30-150                 | A      |
| Decachlorobiphenyl           | 81        |           | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 80        |           | 30-150                 | B      |
| Decachlorobiphenyl           | 91        |           | 30-150                 | B      |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU250.P2

Lab Number: L2439397

Report Date: 07/19/24

| Parameter                                                                                               | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|---------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01 Batch: WG1946836-2 WG1946836-3 |                  |      |                   |      |                     |     |      |               |        |
| Aroclor 1016                                                                                            | 81               |      | 89                |      | 40-140              | 9   |      | 30            | A      |
| Aroclor 1260                                                                                            | 80               |      | 88                |      | 40-140              | 10  |      | 30            | A      |

| Surrogate                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria | Column |
|------------------------------|------------------|------|-------------------|------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 71               |      | 77                |      | 30-150                 | A      |
| Decachlorobiphenyl           | 85               |      | 89                |      | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 76               |      | 84                |      | 30-150                 | B      |
| Decachlorobiphenyl           | 92               |      | 97                |      | 30-150                 | B      |

# PESTICIDES

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439397  
**Report Date:** 07/19/24

**SAMPLE RESULTS**

**Lab ID:** L2439397-01  
**Client ID:** WC-TP5  
**Sample Location:** TRURO, MA

**Date Collected:** 07/11/24 10:00  
**Date Received:** 07/12/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 97,8081B  
**Analytical Date:** 07/16/24 00:42  
**Analyst:** EJL  
**Percent Solids:** 96%

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/14/24 20:16  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 07/15/24  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 07/15/24

| Parameter                                       | Result | Qualifier | Units | RL    | MDL | Dilution Factor | Column |
|-------------------------------------------------|--------|-----------|-------|-------|-----|-----------------|--------|
| MCP Organochlorine Pesticides - Westborough Lab |        |           |       |       |     |                 |        |
| Delta-BHC                                       | ND     |           | ug/kg | 1.62  | --  | 1               | A      |
| Lindane                                         | ND     |           | ug/kg | 0.540 | --  | 1               | A      |
| Alpha-BHC                                       | ND     |           | ug/kg | 0.675 | --  | 1               | A      |
| Beta-BHC                                        | ND     |           | ug/kg | 1.62  | --  | 1               | A      |
| Heptachlor                                      | ND     |           | ug/kg | 0.810 | --  | 1               | A      |
| Aldrin                                          | ND     |           | ug/kg | 1.62  | --  | 1               | A      |
| Heptachlor epoxide                              | ND     |           | ug/kg | 3.04  | --  | 1               | A      |
| Endrin                                          | ND     |           | ug/kg | 0.675 | --  | 1               | A      |
| Endrin ketone                                   | ND     |           | ug/kg | 1.62  | --  | 1               | A      |
| Dieldrin                                        | ND     |           | ug/kg | 1.01  | --  | 1               | A      |
| 4,4'-DDE                                        | 7.53   |           | ug/kg | 1.62  | --  | 1               | B      |
| 4,4'-DDD                                        | ND     |           | ug/kg | 1.62  | --  | 1               | A      |
| 4,4'-DDT                                        | 11.6   |           | ug/kg | 3.04  | --  | 1               | A      |
| Endosulfan I                                    | ND     |           | ug/kg | 1.62  | --  | 1               | A      |
| Endosulfan II                                   | ND     |           | ug/kg | 1.62  | --  | 1               | A      |
| Endosulfan sulfate                              | ND     |           | ug/kg | 0.675 | --  | 1               | A      |
| Methoxychlor                                    | ND     |           | ug/kg | 3.04  | --  | 1               | A      |
| Chlordane                                       | ND     |           | ug/kg | 13.5  | --  | 1               | A      |
| Hexachlorobenzene                               | ND     |           | ug/kg | 1.62  | --  | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 72         |           | 30-150              | A      |
| Decachlorobiphenyl           | 49         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 82         |           | 30-150              | B      |
| Decachlorobiphenyl           | 68         |           | 30-150              | B      |



**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439397  
**Report Date:** 07/19/24

**SAMPLE RESULTS**

**Lab ID:** L2439397-01  
**Client ID:** WC-TP5  
**Sample Location:** TRURO, MA

**Date Collected:** 07/11/24 10:00  
**Date Received:** 07/12/24  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil  
**Analytical Method:** 97,8151A  
**Analytical Date:** 07/15/24 19:32  
**Analyst:** EJJ  
**Percent Solids:** 96%  
**Methylation Date:** 07/15/24 02:30

**Extraction Method:** EPA 8151A  
**Extraction Date:** 07/13/24 16:52

| Parameter                                    | Result | Qualifier | Units | RL   | MDL | Dilution Factor | Column |
|----------------------------------------------|--------|-----------|-------|------|-----|-----------------|--------|
| MCP Chlorinated Herbicides - Westborough Lab |        |           |       |      |     |                 |        |
| MCPP                                         | ND     |           | ug/kg | 3400 | --  | 1               | A      |
| MCPA                                         | ND     |           | ug/kg | 3400 | --  | 1               | A      |
| Dalapon                                      | ND     |           | ug/kg | 34   | --  | 1               | A      |
| Dicamba                                      | ND     |           | ug/kg | 34   | --  | 1               | A      |
| Dichloroprop                                 | ND     |           | ug/kg | 34   | --  | 1               | A      |
| 2,4-D                                        | ND     |           | ug/kg | 34   | --  | 1               | A      |
| 2,4-DB                                       | ND     |           | ug/kg | 34   | --  | 1               | A      |
| 2,4,5-T                                      | ND     |           | ug/kg | 34   | --  | 1               | A      |
| 2,4,5-TP (Silvex)                            | ND     |           | ug/kg | 34   | --  | 1               | A      |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA      | 96         |           | 30-150              | A      |
| DCAA      | 81         |           | 30-150              | B      |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439397  
**Report Date:** 07/19/24

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 97,8151A  
**Analytical Date:** 07/15/24 14:37  
**Analyst:** MMG

**Extraction Method:** EPA 8151A  
**Extraction Date:** 07/13/24 16:52

**Methylation Date:** 07/15/24 02:30

| Parameter                                                                         | Result | Qualifier | Units | RL   | MDL | Column |
|-----------------------------------------------------------------------------------|--------|-----------|-------|------|-----|--------|
| MCP Chlorinated Herbicides - Westborough Lab for sample(s): 01 Batch: WG1946674-1 |        |           |       |      |     |        |
| MCPP                                                                              | ND     |           | ug/kg | 3300 | --  | A      |
| MCPA                                                                              | ND     |           | ug/kg | 3300 | --  | A      |
| Dalapon                                                                           | ND     |           | ug/kg | 33   | --  | A      |
| Dicamba                                                                           | ND     |           | ug/kg | 33   | --  | A      |
| Dichloroprop                                                                      | ND     |           | ug/kg | 33   | --  | A      |
| 2,4-D                                                                             | ND     |           | ug/kg | 33   | --  | A      |
| 2,4-DB                                                                            | ND     |           | ug/kg | 33   | --  | A      |
| 2,4,5-T                                                                           | ND     |           | ug/kg | 33   | --  | A      |
| 2,4,5-TP (Silvex)                                                                 | ND     |           | ug/kg | 33   | --  | A      |

| Surrogate | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|-----------|-----------|-----------|------------------------|--------|
| DCAA      | 103       |           | 30-150                 | A      |
| DCAA      | 84        |           | 30-150                 | B      |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439397  
**Report Date:** 07/19/24

### Method Blank Analysis Batch Quality Control

**Analytical Method:** 97,8081B  
**Analytical Date:** 07/17/24 13:02  
**Analyst:** EJJ

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/14/24 20:16  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 07/17/24  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 07/17/24

| Parameter                                                                            | Result | Qualifier | Units | RL    | MDL | Column |
|--------------------------------------------------------------------------------------|--------|-----------|-------|-------|-----|--------|
| MCP Organochlorine Pesticides - Westborough Lab for sample(s): 01 Batch: WG1946835-1 |        |           |       |       |     |        |
| Delta-BHC                                                                            | ND     |           | ug/kg | 1.58  | --  | A      |
| Lindane                                                                              | ND     |           | ug/kg | 0.526 | --  | A      |
| Alpha-BHC                                                                            | ND     |           | ug/kg | 0.658 | --  | A      |
| Beta-BHC                                                                             | ND     |           | ug/kg | 1.58  | --  | A      |
| Heptachlor                                                                           | ND     |           | ug/kg | 0.789 | --  | A      |
| Aldrin                                                                               | ND     |           | ug/kg | 1.58  | --  | A      |
| Heptachlor epoxide                                                                   | ND     |           | ug/kg | 2.96  | --  | A      |
| Endrin                                                                               | ND     |           | ug/kg | 0.658 | --  | A      |
| Endrin ketone                                                                        | ND     |           | ug/kg | 1.58  | --  | A      |
| Dieldrin                                                                             | ND     |           | ug/kg | 0.987 | --  | A      |
| 4,4'-DDE                                                                             | ND     |           | ug/kg | 1.58  | --  | A      |
| 4,4'-DDD                                                                             | ND     |           | ug/kg | 1.58  | --  | A      |
| 4,4'-DDT                                                                             | ND     |           | ug/kg | 2.96  | --  | A      |
| Endosulfan I                                                                         | ND     |           | ug/kg | 1.58  | --  | A      |
| Endosulfan II                                                                        | ND     |           | ug/kg | 1.58  | --  | A      |
| Endosulfan sulfate                                                                   | ND     |           | ug/kg | 0.658 | --  | A      |
| Methoxychlor                                                                         | ND     |           | ug/kg | 2.96  | --  | A      |
| Chlordane                                                                            | ND     |           | ug/kg | 13.2  | --  | A      |
| Hexachlorobenzene                                                                    | ND     |           | ug/kg | 1.58  | --  | A      |

| Surrogate                    | %Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|-----------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 57        |           | 30-150              | A      |
| Decachlorobiphenyl           | 58        |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 60        |           | 30-150              | B      |
| Decachlorobiphenyl           | 70        |           | 30-150              | B      |



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU250.P2

Lab Number: L2439397

Report Date: 07/19/24

| Parameter                                                                                            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| MCP Chlorinated Herbicides - Westborough Lab Associated sample(s): 01 Batch: WG1946674-2 WG1946674-3 |                  |      |                   |      |                     |     |      |               |        |
| MCP                                                                                                  | 83               |      | 85                |      | 40-140              | 2   |      | 30            | A      |
| MCPA                                                                                                 | 87               |      | 91                |      | 40-140              | 4   |      | 30            | A      |
| Dalapon                                                                                              | 70               |      | 87                |      | 40-140              | 22  |      | 30            | A      |
| Dicamba                                                                                              | 97               |      | 104               |      | 40-140              | 7   |      | 30            | A      |
| Dichloroprop                                                                                         | 100              |      | 108               |      | 40-140              | 8   |      | 30            | A      |
| 2,4-D                                                                                                | 99               |      | 110               |      | 40-140              | 11  |      | 30            | A      |
| 2,4-DB                                                                                               | 90               |      | 94                |      | 40-140              | 4   |      | 30            | A      |
| 2,4,5-T                                                                                              | 106              |      | 117               |      | 40-140              | 10  |      | 30            | A      |
| 2,4,5-TP (Silvex)                                                                                    | 100              |      | 109               |      | 40-140              | 9   |      | 30            | A      |

| Surrogate | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria | Column |
|-----------|------------------|------|-------------------|------|------------------------|--------|
| DCAA      | 98               |      | 103               |      | 30-150                 | A      |
| DCAA      | 91               |      | 96                |      | 30-150                 | B      |

# **Lab Control Sample Analysis** Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU250.P2

Lab Number: L2439397

Report Date: 07/19/24

| Parameter                                                                                               | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|---------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01 Batch: WG1946835-2 WG1946835-3 |                  |      |                   |      |                     |     |      |               |        |
| Delta-BHC                                                                                               | 108              |      | 103               |      | 40-140              | 5   |      | 30            | A      |
| Lindane                                                                                                 | 104              |      | 97                |      | 40-140              | 7   |      | 30            | A      |
| Alpha-BHC                                                                                               | 107              |      | 101               |      | 40-140              | 6   |      | 30            | A      |
| Beta-BHC                                                                                                | 121              |      | 117               |      | 40-140              | 3   |      | 30            | A      |
| Heptachlor                                                                                              | 105              |      | 100               |      | 40-140              | 5   |      | 30            | A      |
| Aldrin                                                                                                  | 103              |      | 98                |      | 40-140              | 5   |      | 30            | A      |
| Heptachlor epoxide                                                                                      | 93               |      | 91                |      | 40-140              | 2   |      | 30            | A      |
| Endrin                                                                                                  | 103              |      | 101               |      | 40-140              | 2   |      | 30            | A      |
| Endrin ketone                                                                                           | 86               |      | 83                |      | 40-140              | 4   |      | 30            | A      |
| Dieldrin                                                                                                | 110              |      | 108               |      | 40-140              | 2   |      | 30            | A      |
| 4,4'-DDE                                                                                                | 105              |      | 103               |      | 40-140              | 2   |      | 30            | A      |
| 4,4'-DDD                                                                                                | 111              |      | 111               |      | 40-140              | 0   |      | 30            | A      |
| 4,4'-DDT                                                                                                | 99               |      | 98                |      | 40-140              | 1   |      | 30            | A      |
| Endosulfan I                                                                                            | 101              |      | 99                |      | 40-140              | 2   |      | 30            | A      |
| Endosulfan II                                                                                           | 101              |      | 100               |      | 40-140              | 1   |      | 30            | A      |
| Endosulfan sulfate                                                                                      | 81               |      | 78                |      | 40-140              | 4   |      | 30            | A      |
| Methoxychlor                                                                                            | 83               |      | 80                |      | 40-140              | 4   |      | 30            | A      |
| Hexachlorobenzene                                                                                       | 85               |      | 86                |      | 40-140              | 1   |      | 30            | A      |

# **Lab Control Sample Analysis** Batch Quality Control

Project Name: TRURO DPW

Lab Number: L2439397

Project Number: TRU250.P2

Report Date: 07/19/24

| Parameter | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
|-----------|------------------|------|-------------------|------|---------------------|-----|------|---------------|

MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01 Batch: WG1946835-2 WG1946835-3

| Surrogate                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria | Column |
|------------------------------|------------------|------|-------------------|------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 81               |      | 79                |      | 30-150                 | A      |
| Decachlorobiphenyl           | 52               |      | 49                |      | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 85               |      | 84                |      | 30-150                 | B      |
| Decachlorobiphenyl           | 66               |      | 65                |      | 30-150                 | B      |

## METALS

**Project Name:** TRURO DPW**Lab Number:** L2439397**Project Number:** TRU250.P2**Report Date:** 07/19/24**SAMPLE RESULTS**

Lab ID: L2439397-01

Date Collected: 07/11/24 10:00

Client ID: WC-TP5

Date Received: 07/12/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 96%

| Parameter                        | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Prep<br>Method | Analytical<br>Method | Analyst |
|----------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------|----------------------|---------|
| MCP Total Metals - Mansfield Lab |        |           |       |       |     |                    |                  |                  |                |                      |         |
| Antimony, Total                  | ND     |           | mg/kg | 3.95  | --  | 2                  | 07/13/24 13:10   | 07/14/24 17:54   | EPA 3050B      | 97,6010D             | TAA     |
| Arsenic, Total                   | 7.08   |           | mg/kg | 0.791 | --  | 2                  | 07/13/24 13:10   | 07/14/24 17:54   | EPA 3050B      | 97,6010D             | TAA     |
| Barium, Total                    | 17.4   |           | mg/kg | 0.791 | --  | 2                  | 07/13/24 13:10   | 07/14/24 17:54   | EPA 3050B      | 97,6010D             | TAA     |
| Beryllium, Total                 | ND     |           | mg/kg | 0.395 | --  | 2                  | 07/13/24 13:10   | 07/14/24 17:54   | EPA 3050B      | 97,6010D             | TAA     |
| Cadmium, Total                   | ND     |           | mg/kg | 0.791 | --  | 2                  | 07/13/24 13:10   | 07/14/24 17:54   | EPA 3050B      | 97,6010D             | TAA     |
| Chromium, Total                  | 9.89   |           | mg/kg | 0.791 | --  | 2                  | 07/13/24 13:10   | 07/14/24 17:54   | EPA 3050B      | 97,6010D             | TAA     |
| Lead, Total                      | 4.22   |           | mg/kg | 3.95  | --  | 2                  | 07/13/24 13:10   | 07/14/24 17:54   | EPA 3050B      | 97,6010D             | TAA     |
| Mercury, Total                   | ND     |           | mg/kg | 0.069 | --  | 1                  | 07/13/24 14:40   | 07/18/24 09:55   | EPA 7471B      | 97,7471B             | MJR     |
| Nickel, Total                    | 8.58   |           | mg/kg | 1.98  | --  | 2                  | 07/13/24 13:10   | 07/14/24 17:54   | EPA 3050B      | 97,6010D             | TAA     |
| Selenium, Total                  | ND     |           | mg/kg | 3.95  | --  | 2                  | 07/13/24 13:10   | 07/14/24 17:54   | EPA 3050B      | 97,6010D             | TAA     |
| Silver, Total                    | ND     |           | mg/kg | 0.791 | --  | 2                  | 07/13/24 13:10   | 07/14/24 17:54   | EPA 3050B      | 97,6010D             | TAA     |
| Thallium, Total                  | ND     |           | mg/kg | 3.95  | --  | 2                  | 07/13/24 13:10   | 07/14/24 17:54   | EPA 3050B      | 97,6010D             | TAA     |
| Vanadium, Total                  | 13.2   |           | mg/kg | 0.791 | --  | 2                  | 07/13/24 13:10   | 07/14/24 17:54   | EPA 3050B      | 97,6010D             | TAA     |
| Zinc, Total                      | 19.4   |           | mg/kg | 3.95  | --  | 2                  | 07/13/24 13:10   | 07/14/24 17:54   | EPA 3050B      | 97,6010D             | TAA     |





Project Name: TRURO DPW

Lab Number: L2439397

Project Number: TRU250.P2

Report Date: 07/19/24

## Method Blank Analysis Batch Quality Control

| Parameter                                                             | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-----------------------------------------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| MCP Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1946587-1 |        |           |       |       |     |                    |                  |                  |                      |         |
| Antimony, Total                                                       | ND     |           | mg/kg | 4.00  | --  | 2                  | 07/13/24 13:10   | 07/14/24 17:35   | 97,6010D             | TAA     |
| Arsenic, Total                                                        | ND     |           | mg/kg | 0.800 | --  | 2                  | 07/13/24 13:10   | 07/14/24 17:35   | 97,6010D             | TAA     |
| Barium, Total                                                         | ND     |           | mg/kg | 0.800 | --  | 2                  | 07/13/24 13:10   | 07/14/24 17:35   | 97,6010D             | TAA     |
| Beryllium, Total                                                      | ND     |           | mg/kg | 0.400 | --  | 2                  | 07/13/24 13:10   | 07/14/24 17:35   | 97,6010D             | TAA     |
| Cadmium, Total                                                        | ND     |           | mg/kg | 0.800 | --  | 2                  | 07/13/24 13:10   | 07/14/24 17:35   | 97,6010D             | TAA     |
| Chromium, Total                                                       | ND     |           | mg/kg | 0.800 | --  | 2                  | 07/13/24 13:10   | 07/14/24 17:35   | 97,6010D             | TAA     |
| Lead, Total                                                           | ND     |           | mg/kg | 4.00  | --  | 2                  | 07/13/24 13:10   | 07/14/24 17:35   | 97,6010D             | TAA     |
| Nickel, Total                                                         | ND     |           | mg/kg | 2.00  | --  | 2                  | 07/13/24 13:10   | 07/14/24 17:35   | 97,6010D             | TAA     |
| Selenium, Total                                                       | ND     |           | mg/kg | 4.00  | --  | 2                  | 07/13/24 13:10   | 07/14/24 17:35   | 97,6010D             | TAA     |
| Silver, Total                                                         | ND     |           | mg/kg | 0.800 | --  | 2                  | 07/13/24 13:10   | 07/14/24 17:35   | 97,6010D             | TAA     |
| Thallium, Total                                                       | ND     |           | mg/kg | 4.00  | --  | 2                  | 07/13/24 13:10   | 07/14/24 17:35   | 97,6010D             | TAA     |
| Vanadium, Total                                                       | ND     |           | mg/kg | 0.800 | --  | 2                  | 07/13/24 13:10   | 07/14/24 17:35   | 97,6010D             | TAA     |
| Zinc, Total                                                           | ND     |           | mg/kg | 4.00  | --  | 2                  | 07/13/24 13:10   | 07/14/24 17:35   | 97,6010D             | TAA     |

### Prep Information

Digestion Method: EPA 3050B

| Parameter                                                             | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-----------------------------------------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| MCP Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1946589-1 |        |           |       |       |     |                    |                  |                  |                      |         |
| Mercury, Total                                                        | ND     |           | mg/kg | 0.083 | --  | 1                  | 07/13/24 14:40   | 07/16/24 16:36   | 97,7471B             | MJR     |

### Prep Information

Digestion Method: EPA 7471B



# **Lab Control Sample Analysis** Batch Quality Control

Project Name: TRURO DPW

Lab Number: L2439397

Project Number: TRU250.P2

Report Date: 07/19/24

| Parameter                                                                                                         | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD Limits |
|-------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|------------|
| MCP Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1946587-2 WG1946587-3 SRM Lot Number: D123-540 |                  |      |                   |      |                     |     |      |            |
| Antimony, Total                                                                                                   | 156              |      | 154               |      | 2-201               | 1   |      | 30         |
| Arsenic, Total                                                                                                    | 97               |      | 97                |      | 82-118              | 0   |      | 30         |
| Barium, Total                                                                                                     | 94               |      | 84                |      | 82-118              | 11  |      | 30         |
| Beryllium, Total                                                                                                  | 98               |      | 93                |      | 83-117              | 5   |      | 30         |
| Cadmium, Total                                                                                                    | 105              |      | 102               |      | 83-118              | 3   |      | 30         |
| Chromium, Total                                                                                                   | 103              |      | 100               |      | 81-118              | 3   |      | 30         |
| Lead, Total                                                                                                       | 98               |      | 98                |      | 82-119              | 0   |      | 30         |
| Nickel, Total                                                                                                     | 100              |      | 99                |      | 82-118              | 1   |      | 30         |
| Selenium, Total                                                                                                   | 96               |      | 98                |      | 81-119              | 2   |      | 30         |
| Silver, Total                                                                                                     | 99               |      | 98                |      | 79-120              | 1   |      | 30         |
| Thallium, Total                                                                                                   | 109              |      | 105               |      | 81-120              | 4   |      | 30         |
| Vanadium, Total                                                                                                   | 99               |      | 97                |      | 78-122              | 2   |      | 30         |
| Zinc, Total                                                                                                       | 99               |      | 99                |      | 80-120              | 0   |      | 30         |
| MCP Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1946589-2 WG1946589-3 SRM Lot Number: D123-540 |                  |      |                   |      |                     |     |      |            |
| Mercury, Total                                                                                                    | 89               |      | 87                |      | 67-132              | 2   |      | 30         |

# **INORGANICS & MISCELLANEOUS**

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439397  
**Report Date:** 07/19/24

### SAMPLE RESULTS

**Lab ID:** L2439397-01  
**Client ID:** WC-TP5  
**Sample Location:** TRURO, MA

**Date Collected:** 07/11/24 10:00  
**Date Received:** 07/12/24  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

### Test Material Information

**Source of Material:** Unknown  
**Description of Material:** Non-Metallic - Damp Soil  
**Particle Size:** Medium  
**Preliminary Burning Time (sec):** 120

| Parameter                                | Result | Date Analyzed  | Analytical Method | Analyst |
|------------------------------------------|--------|----------------|-------------------|---------|
| Ignitability of Solids - Westborough Lab |        |                |                   |         |
| Ignitability                             | NI     | 07/18/24 16:56 | 1,1030            | REM     |



Project Name: TRURO DPW

Project Number: TRU250.P2

Lab Number: L2439397

Report Date: 07/19/24

## SAMPLE RESULTS

Lab ID: L2439397-01

Client ID: WC-TP5

Sample Location: TRURO, MA

Date Collected: 07/11/24 10:00

Date Received: 07/12/24

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter                           | Result | Qualifier | Units    | RL    | MDL | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|----------|-------|-----|-----------------|----------------|----------------|-------------------|---------|
| General Chemistry - Westborough Lab |        |           |          |       |     |                 |                |                |                   |         |
| Specific Conductance @ 25 C         | 23     |           | umhos/cm | 10    | --  | 1               | -              | 07/15/24 18:51 | 1,9050A           | AAS     |
| Solids, Total                       | 95.8   |           | %        | 0.100 | NA  | 1               | -              | 07/13/24 12:19 | 121,2540G         | ROI     |
| pH (H)                              | 7.53   |           | SU       | -     | NA  | 1               | -              | 07/15/24 18:51 | 1,9045D           | AAS     |
| Cyanide, Reactive                   | ND     |           | mg/kg    | 10    | --  | 1               | 07/18/24 17:40 | 07/18/24 19:45 | 125,7.3           | TLH     |
| Sulfide, Reactive                   | ND     |           | mg/kg    | 10    | --  | 1               | 07/18/24 17:40 | 07/18/24 20:18 | 125,7.3           | TLH     |



Project Name: TRURO DPW

Lab Number: L2439397

Project Number: TRU250.P2

Report Date: 07/19/24

**Method Blank Analysis**  
**Batch Quality Control**

| Parameter                                                                | Result | Qualifier | Units | RL | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|--------------------------------------------------------------------------|--------|-----------|-------|----|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1948673-1 |        |           |       |    |     |                    |                  |                  |                      |         |
| Sulfide, Reactive                                                        | ND     |           | mg/kg | 10 | --  | 1                  | 07/18/24 17:40   | 07/18/24 20:07   | 125,7.3              | TLH     |
| General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1948676-1 |        |           |       |    |     |                    |                  |                  |                      |         |
| Cyanide, Reactive                                                        | ND     |           | mg/kg | 10 | --  | 1                  | 07/18/24 17:40   | 07/18/24 19:55   | 125,7.3              | TLH     |



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU250.P2

Lab Number: L2439397

Report Date: 07/19/24

| Parameter                                                                       | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD Limits |
|---------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|------------|
| General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1947243-1 |                  |      |                   |      |                     |     |      |            |
| pH                                                                              | 101              |      | -                 |      | 99-101              | -   |      |            |
| General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1947246-1 |                  |      |                   |      |                     |     |      |            |
| Specific Conductance                                                            | 101              |      | -                 |      | 99-101              | -   |      |            |
| General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1948673-2 |                  |      |                   |      |                     |     |      |            |
| Sulfide, Reactive                                                               | 72               |      | -                 |      | 60-125              | -   |      | 40         |
| General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1948676-2 |                  |      |                   |      |                     |     |      |            |
| Cyanide, Reactive                                                               | 92               |      | -                 |      | 30-125              | -   |      | 40         |

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

Serial\_No:07192412:35  
**Lab Number:** L2439397  
**Report Date:** 07/19/24

**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

**Cooler Information**

|               |                     |
|---------------|---------------------|
| <b>Cooler</b> | <b>Custody Seal</b> |
| A             | Absent              |

**Container Information**

| <b>Container ID</b> | <b>Container Type</b>                  | <b>Cooler</b> | <b>Initial pH</b> | <b>Final pH</b> | <b>Temp deg C</b> | <b>Pres</b> | <b>Seal</b> | <b>Frozen Date/Time</b> | <b>Analysis(*)</b>                                                                                                                                                                                                                                                                               |
|---------------------|----------------------------------------|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L2439397-01A        | Vial water preserved                   | A             | NA                |                 | 3.0               | Y           | Absent      | 12-JUL-24 21:19         | MCP-8260HLW-21(14)                                                                                                                                                                                                                                                                               |
| L2439397-01B        | Vial water preserved                   | A             | NA                |                 | 3.0               | Y           | Absent      | 12-JUL-24 21:19         | MCP-8260HLW-21(14)                                                                                                                                                                                                                                                                               |
| L2439397-01C        | Vial MeOH preserved                    | A             | NA                |                 | 3.0               | Y           | Absent      |                         | MCP-8260HLW-21(14)                                                                                                                                                                                                                                                                               |
| L2439397-01D        | Plastic 2oz unpreserved for TS         | A             | NA                |                 | 3.0               | Y           | Absent      |                         | TS(7)                                                                                                                                                                                                                                                                                            |
| L2439397-01E        | Plastic 2oz unpreserved for TS         | A             | NA                |                 | 3.0               | Y           | Absent      |                         | TS(7)                                                                                                                                                                                                                                                                                            |
| L2439397-01F        | Metals Only-Glass 60mL/2oz unpreserved | A             | NA                |                 | 3.0               | Y           | Absent      |                         | MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-CD-6010T-10(180),MCP-7471T-10(28),MCP-TL-6010T-10(180),MCP-SB-6010T-10(180),MCP-AG-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180) |
| L2439397-01G        | Glass 60mL/2oz unpreserved             | A             | NA                |                 | 3.0               | Y           | Absent      |                         | IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),PH-9045(1),MCP-8270-21(14),REACTCN(14),TPH-DRO-D(14),COND-9050(28)                                                                                                                                                    |
| L2439397-01H        | Glass 60mL/2oz unpreserved             | A             | NA                |                 | 3.0               | Y           | Absent      |                         | IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),PH-9045(1),MCP-8270-21(14),REACTCN(14),TPH-DRO-D(14),COND-9050(28)                                                                                                                                                    |
| L2439397-01I        | Glass 250ml/8oz unpreserved            | A             | NA                |                 | 3.0               | Y           | Absent      |                         | IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),PH-9045(1),MCP-8270-21(14),REACTCN(14),TPH-DRO-D(14),COND-9050(28)                                                                                                                                                    |
| L2439397-01J        | Glass 250ml/8oz unpreserved            | A             | NA                |                 | 3.0               | Y           | Absent      |                         | IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),PH-9045(1),MCP-8270-21(14),REACTCN(14),TPH-DRO-D(14),COND-9050(28)                                                                                                                                                    |



**Project Name:** TRURO DPW**Lab Number:** L2439397**Project Number:** TRU250.P2**Report Date:** 07/19/24

## 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.)<br><br>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: Data Usability Report*

**Project Name:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439397  
**Report Date:** 07/19/24

## 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, Dibenz(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. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

**Report Format:** Data Usability Report



**Project Name:** TRURO DPW**Lab Number:** L2439397**Project Number:** TRU250.P2**Report Date:** 07/19/24**Data Qualifiers**

- ND** - Not detected at the reporting limit (RL) for the sample.
- 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:** TRURO DPW  
**Project Number:** TRU250.P2

**Lab Number:** L2439397  
**Report Date:** 07/19/24

## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010; WSC-CAM-IIIA and IIID, January 2024; WSC-CAM-IIIB and VA, February 2024; and WSC-CAM-VB and VC, April 2024.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.
- 141 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA and IIB, November 2021.

## LIMITATION OF LIABILITIES

Alpha Analytical 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 Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical 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 Alpha Analytical.

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.



**Alpha Analytical, Inc.**Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 21

Published Date: 04/17/2024

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**Certification Information****The following analytes are not included in our Primary NELAP Scope of Accreditation:****Westborough Facility****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, NO<sub>2</sub>, NO<sub>3</sub>.**Mansfield Facility****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.

**Nonpotable Water:** **EPA RSK-175 Dissolved Gases****Biological Tissue Matrix:** EPA 3050B**The following analytes are included in our Massachusetts DEP Scope of Accreditation****Westborough Facility:****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:****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**

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



# Method Blank Summary

## Form 4

### Volatiles

|               |                       |                |                  |
|---------------|-----------------------|----------------|------------------|
| Client        | : HRP Associates, Inc | Lab Number     | : L2439397       |
| Project Name  | : TRURO DPW           | Project Number | : TRU250.P2      |
| Lab Sample ID | : WG1948098-5         | Lab File ID    | : V23240716A05   |
| Instrument ID | : VOA123              |                |                  |
| Matrix        | : SOIL                | Analysis Date  | : 07/16/24 08:29 |

| Client Sample No. | Lab Sample ID | Analysis Date  |
|-------------------|---------------|----------------|
| WG1948098-3LCS    | WG1948098-3   | 07/16/24 06:45 |
| WG1948098-4LCSD   | WG1948098-4   | 07/16/24 07:11 |
| WC-TP5            | L2439397-01   | 07/16/24 11:05 |

# Calibration Verification Summary

## Form 7

### Volatiles

Client : HRP Associates, Inc  
 Project Name : TRURO DPW  
 Instrument ID : VOA123  
 Lab File ID : V23240716A01  
 Sample No : WG1948098-2  
 Channel :

Lab Number : L2439397  
 Project Number : TRU250.P2  
 Calibration Date : 07/16/24 06:45  
 Init. Calib. Date(s) : 06/13/24 06/14/24  
 Init. Calib. Times : 22:10 02:29

| Compound                 | Ave. RRF | RRF    | Min RRF | %D     | Max %D | Area% | Dev(min) |
|--------------------------|----------|--------|---------|--------|--------|-------|----------|
| Fluorobenzene            | 1        | 1      | -       | 0      | 20     | 72    | 0        |
| Dichlorodifluoromethane  | 0.276    | 0.322  | -       | -16.7  | 20     | 83    | 0        |
| Chloromethane            | 0.373    | 0.426  | -       | -14.2  | 20     | 85    | 0        |
| Vinyl chloride           | 0.326    | 0.362  | -       | -11    | 20     | 79    | 0        |
| Bromomethane             | 0.149    | 0.161  | -       | -8.1   | 20     | 80    | 0        |
| Chloroethane             | 0.185    | 0.152  | -       | 17.8   | 20     | 60    | 0        |
| Trichlorofluoromethane   | 0.349    | 0.375  | -       | -7.4   | 20     | 76    | 0        |
| Ethyl ether              | 0.128    | 0.149  | -       | -16.4  | 20     | 87    | 0        |
| 1,1-Dichloroethene       | 0.245    | 0.263  | -       | -7.3   | 20     | 76    | 0        |
| Carbon disulfide         | 0.879    | 0.913  | -       | -3.9   | 20     | 77    | 0        |
| Freon-113                | 0.252    | 0.291  | -       | -15.5  | 20     | 80    | 0        |
| Acrolein                 | 0.032    | 0.053  | -       | -65.6* | 20     | 121   | 0        |
| Methylene chloride       | 40       | 44.295 | -       | -10.7  | 20     | 79    | 0        |
| Acetone                  | 40       | 42.495 | -       | -6.2   | 20     | 79    | 0        |
| trans-1,2-Dichloroethene | 0.284    | 0.299  | -       | -5.3   | 20     | 76    | 0        |
| Methyl acetate           | 0.159    | 0.165  | -       | -3.8   | 20     | 80    | 0        |
| Methyl tert-butyl ether  | 0.686    | 0.78   | -       | -13.7  | 20     | 85    | 0        |
| tert-Butyl alcohol       | 0.027    | 0.026  | -       | 3.7    | 20     | 73    | 0        |
| Diisopropyl ether        | 1.079    | 1.136  | -       | -5.3   | 20     | 77    | 0        |
| 1,1-Dichloroethane       | 0.554    | 0.598  | -       | -7.9   | 20     | 79    | 0        |
| Halothane                | 0.22     | 0.235  | -       | -6.8   | 20     | 77    | 0        |
| Acrylonitrile            | 0.075    | 0.086  | -       | -14.7  | 20     | 84    | 0        |
| Ethyl tert-butyl ether   | 0.982    | 1.014  | -       | -3.3   | 20     | 76    | 0        |
| Vinyl acetate            | 0.474    | 0.674  | -       | -42.2* | 20     | 112   | 0        |
| cis-1,2-Dichloroethene   | 0.32     | 0.325  | -       | -1.6   | 20     | 75    | 0        |
| 2,2-Dichloropropane      | 0.404    | 0.447  | -       | -10.6  | 20     | 80    | 0        |
| Bromochloromethane       | 0.154    | 0.161  | -       | -4.5   | 20     | 77    | 0        |
| Cyclohexane              | 0.554    | 0.603  | -       | -8.8   | 20     | 77    | 0        |
| Chloroform               | 0.491    | 0.522  | -       | -6.3   | 20     | 78    | 0        |
| Ethyl acetate            | 0.236    | 0.251  | -       | -6.4   | 20     | 80    | 0        |
| Carbon tetrachloride     | 0.391    | 0.435  | -       | -11.3  | 20     | 79    | 0        |
| Tetrahydrofuran          | 40       | 48.16  | -       | -20.4* | 20     | 90    | 0        |
| Dibromofluoromethane     | 0.254    | 0.266  | -       | -4.7   | 20     | 75    | 0        |
| 1,1,1-Trichloroethane    | 0.408    | 0.474  | -       | -16.2  | 20     | 81    | 0        |
| 2-Butanone               | 0.103    | 0.097  | -       | 5.8    | 20     | 72    | 0        |
| 1,1-Dichloropropene      | 0.339    | 0.387  | -       | -14.2  | 20     | 78    | 0        |
| Benzene                  | 1.082    | 1.131  | -       | -4.5   | 20     | 76    | 0        |
| tert-Amyl methyl ether   | 0.732    | 0.721  | -       | 1.5    | 20     | 73    | 0        |
| 1,2-Dichloroethane-d4    | 0.23     | 0.26   | -       | -13    | 20     | 82    | 0        |
| 1,2-Dichloroethane       | 0.356    | 0.397  | -       | -11.5  | 20     | 83    | 0        |
| Methyl cyclohexane       | 0.468    | 0.491  | -       | -4.9   | 20     | 74    | 0        |
| Trichloroethene          | 0.303    | 0.327  | -       | -7.9   | 20     | 76    | 0        |
| Dibromomethane           | 0.164    | 0.168  | -       | -2.4   | 20     | 77    | 0        |

\* Value outside of QC limits.





# Calibration Verification Summary

## Form 7

### Volatiles

Client : HRP Associates, Inc  
 Project Name : TRURO DPW  
 Instrument ID : VOA123  
 Lab File ID : V23240716A01  
 Sample No : WG1948098-2  
 Channel :

Lab Number : L2439397  
 Project Number : TRU250.P2  
 Calibration Date : 07/16/24 06:45  
 Init. Calib. Date(s) : 06/13/24 06/14/24  
 Init. Calib. Times : 22:10 02:29

| Compound                   | Ave. RRF | RRF      | Min RRF | %D    | Max %D | Area% | Dev(min) |
|----------------------------|----------|----------|---------|-------|--------|-------|----------|
| 1,2-Dichloropropane        | 0.321    | 0.327    | -       | -1.9  | 20     | 75    | 0        |
| 2-Chloroethyl vinyl ether  | 0.164    | 0.167    | -       | -1.8  | 20     | 75    | 0        |
| Bromodichloromethane       | 0.387    | 0.41     | -       | -5.9  | 20     | 78    | 0        |
| 1,4-Dioxane                | 0.00212  | 0.00189* | -       | 10.8  | 20     | 59    | 0        |
| cis-1,3-Dichloropropene    | 0.442    | 0.462    | -       | -4.5  | 20     | 75    | 0        |
| Chlorobenzene-d5           | 1        | 1        | -       | 0     | 20     | 73    | 0        |
| Toluene-d8                 | 1.251    | 1.264    | -       | -1    | 20     | 74    | 0        |
| Toluene                    | 40       | 42.802   | -       | -7    | 20     | 74    | 0        |
| 4-Methyl-2-pentanone       | 0.111    | 0.111    | -       | 0     | 20     | 73    | 0        |
| Tetrachloroethene          | 0.386    | 0.431    | -       | -11.7 | 20     | 78    | 0        |
| trans-1,3-Dichloropropene  | 0.484    | 0.507    | -       | -4.8  | 20     | 76    | 0        |
| Ethyl methacrylate         | 0.317    | 0.367    | -       | -15.8 | 20     | 80    | 0        |
| 1,1,2-Trichloroethane      | 0.244    | 0.247    | -       | -1.2  | 20     | 76    | 0        |
| Chlorodibromomethane       | 0.394    | 0.412    | -       | -4.6  | 20     | 77    | 0        |
| 1,3-Dichloropropane        | 0.478    | 0.486    | -       | -1.7  | 20     | 76    | 0        |
| 1,2-Dibromoethane          | 0.288    | 0.302    | -       | -4.9  | 20     | 76    | 0        |
| 2-Hexanone                 | 0.173    | 0.176    | -       | -1.7  | 20     | 71    | 0        |
| Chlorobenzene              | 1.035    | 1.072    | -       | -3.6  | 20     | 76    | 0        |
| Ethylbenzene               | 1.732    | 1.783    | -       | -2.9  | 20     | 76    | 0        |
| 1,1,1,2-Tetrachloroethane  | 0.387    | 0.408    | -       | -5.4  | 20     | 76    | 0        |
| p/m Xylene                 | 0.676    | 0.704    | -       | -4.1  | 20     | 76    | 0        |
| o Xylene                   | 0.656    | 0.673    | -       | -2.6  | 20     | 75    | 0        |
| Styrene                    | 1.041    | 1.123    | -       | -7.9  | 20     | 76    | 0        |
| 1,4-Dichlorobenzene-d4     | 1        | 1        | -       | 0     | 20     | 74    | 0        |
| Bromoform                  | 0.447    | 0.462    | -       | -3.4  | 20     | 78    | 0        |
| Isopropylbenzene           | 3.286    | 3.383    | -       | -3    | 20     | 76    | 0        |
| 4-Bromofluorobenzene       | 0.891    | 0.852    | -       | 4.4   | 20     | 72    | 0        |
| Bromobenzene               | 0.885    | 0.867    | -       | 2     | 20     | 76    | 0        |
| n-Propylbenzene            | 3.768    | 3.992    | -       | -5.9  | 20     | 79    | .01      |
| 1,4-Dichlorobutane         | 1.043    | 1.181    | -       | -13.2 | 20     | 89    | 0        |
| 1,1,2,2-Tetrachloroethane  | 0.661    | 0.672    | -       | -1.7  | 20     | 82    | 0        |
| 4-Ethyltoluene             | 3.203    | 3.345    | -       | -4.4  | 20     | 79    | 0        |
| 2-Chlorotoluene            | 2.28     | 2.384    | -       | -4.6  | 20     | 78    | 0        |
| 1,3,5-Trimethylbenzene     | 2.803    | 2.882    | -       | -2.8  | 20     | 77    | 0        |
| 1,2,3-Trichloropropane     | 0.496    | 0.506    | -       | -2    | 20     | 80    | 0        |
| trans-1,4-Dichloro-2-buten | 0.204    | 0.242    | -       | -18.6 | 20     | 91    | 0        |
| 4-Chlorotoluene            | 2.289    | 2.396    | -       | -4.7  | 20     | 79    | 0        |
| tert-Butylbenzene          | 2.463    | 2.513    | -       | -2    | 20     | 76    | 0        |
| 1,2,4-Trimethylbenzene     | 2.813    | 2.85     | -       | -1.3  | 20     | 77    | 0        |
| sec-Butylbenzene           | 3.546    | 3.757    | -       | -6    | 20     | 78    | 0        |
| p-Isopropyltoluene         | 3.134    | 3.298    | -       | -5.2  | 20     | 77    | 0        |
| 1,3-Dichlorobenzene        | 1.616    | 1.706    | -       | -5.6  | 20     | 80    | 0        |
| 1,4-Dichlorobenzene        | 1.653    | 1.703    | -       | -3    | 20     | 80    | 0        |

\* Value outside of QC limits.



# Calibration Verification Summary

## Form 7

### Volatiles

Client : HRP Associates, Inc  
 Project Name : TRURO DPW  
 Instrument ID : VOA123  
 Lab File ID : V23240716A01  
 Sample No : WG1948098-2  
 Channel :

Lab Number : L2439397  
 Project Number : TRU250.P2  
 Calibration Date : 07/16/24 06:45  
 Init. Calib. Date(s) : 06/13/24 06/14/24  
 Init. Calib. Times : 22:10 02:29

| Compound                   | Ave. RRF | RRF   | Min RRF | %D    | Max %D | Area% | Dev(min) |
|----------------------------|----------|-------|---------|-------|--------|-------|----------|
| p-Diethylbenzene           | 1.829    | 1.965 | -       | -7.4  | 20     | 80    | 0        |
| n-Butylbenzene             | 2.547    | 2.878 | -       | -13   | 20     | 82    | 0        |
| 1,2-Dichlorobenzene        | 1.533    | 1.571 | -       | -2.5  | 20     | 77    | 0        |
| 1,2,4,5-Tetramethylbenzene | 2.942    | 3.032 | -       | -3.1  | 20     | 77    | 0        |
| 1,2-Dibromo-3-chloropropan | 0.115    | 0.112 | -       | 2.6   | 20     | 73    | .01      |
| 1,3,5-Trichlorobenzene     | 1.176    | 1.306 | -       | -11.1 | 20     | 82    | .01      |
| Hexachlorobutadiene        | 0.581    | 0.608 | -       | -4.6  | 20     | 77    | .01      |
| 1,2,4-Trichlorobenzene     | 1.046    | 1.126 | -       | -7.6  | 20     | 81    | .01      |
| Naphthalene                | 2.251    | 2.199 | -       | 2.3   | 20     | 75    | .01      |
| 1,2,3-Trichlorobenzene     | 0.935    | 0.973 | -       | -4.1  | 20     | 79    | 0        |

\* Value outside of QC limits.



# Performance Evaluation Mixture Summary

## Form 15

### Pesticides

Client : HRP Associates, Inc  
 Project Name : TRURO DPW  
 Instrument ID : PEST18  
 PEM Standard : R1853397-1  
 Column 1 : RTX-5

Lab Number : L2439397  
 Project Number : TRU250.P2  
 Analysis Date : 07/15/24 18:31  
 Column 2 : RTX-CLPPesticides2

| Parameter       | Signal 1        | Signal 2        |
|-----------------|-----------------|-----------------|
| 4,4'-DDE        | 878132.50785    | 417594.12485    |
| Endrin          | 1110856755.2112 | 532726155.91697 |
| 4,4'-DDD        | 3201687.7703    | 1121458.78437   |
| 4,4'-DDT        | 2065543161.8589 | 993020947.45201 |
| Endrin Aldehyde | 517415.12186    | 779315.23093    |
| Endrin Ketone   | 2991435.81194   | 2378011.53688   |

| Parameter | %Breakdown 1 | %Breakdown 2 |
|-----------|--------------|--------------|
| Endrin    | 0.315        | 0.589        |
| DDT       | 0.197        | 0.155        |

# Performance Evaluation Mixture Summary

## Form 15

### Pesticides

|               |                       |                |                      |
|---------------|-----------------------|----------------|----------------------|
| Client        | : HRP Associates, Inc | Lab Number     | : L2439397           |
| Project Name  | : TRURO DPW           | Project Number | : TRU250.P2          |
| Instrument ID | : PEST18              | Analysis Date  | : 07/17/24 09:42     |
| PEM Standard  | : R1853850-1          |                |                      |
| Column 1      | : RTX-5               | Column 2       | : RTX-CLPPesticides2 |

| Parameter       | Signal 1        | Signal 2       |
|-----------------|-----------------|----------------|
| 4,4'-DDE        | 2111227.4568    | 973927.2108    |
| Endrin          | 1236461330.3196 | 579017837.4658 |
| 4,4'-DDD        | 4107982.6504    | 2048737.2883   |
| 4,4'-DDT        | 2223232670.344  | 1049116818.797 |
| Endrin Aldehyde | 0               | 0              |
| Endrin Ketone   | 16444203.6512   | 6600861.26272  |

| Parameter | %Breakdown 1 | %Breakdown 2 |
|-----------|--------------|--------------|
| Endrin    | 1.31         | 1.13         |
| DDT       | 0.279        | 0.287        |



## ANALYTICAL REPORT

|                 |                                                              |
|-----------------|--------------------------------------------------------------|
| Lab Number:     | L2441230                                                     |
| Client:         | HRP Associates, Inc<br>13 Court Street<br>Plymouth, MA 02360 |
| ATTN:           | Bryan Massa                                                  |
| Phone:          | (781) 210-9840                                               |
| Project Name:   | TRURO DPW                                                    |
| Project Number: | TRU2501.P2                                                   |
| Report Date:    | 07/31/24                                                     |

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

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Eight Walkup Drive, Westborough, MA 01581-1019  
508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



Project Name: TRURO DPW

Project Number: TRU2501.P2

Lab Number: L2441230

Report Date: 07/31/24

| Alpha<br>Sample ID | Client ID     | Matrix | Sample<br>Location | Collection<br>Date/Time | Receive Date |
|--------------------|---------------|--------|--------------------|-------------------------|--------------|
| L2441230-01        | SB-1 (2-4)    | SOIL   | TRURO, MA          | 07/19/24 09:15          | 07/23/24     |
| L2441230-02        | SB-2 (4-6)    | SOIL   | TRURO, MA          | 07/19/24 09:40          | 07/23/24     |
| L2441230-03        | SB-6 (2-4)    | SOIL   | TRURO, MA          | 07/19/24 10:15          | 07/23/24     |
| L2441230-04        | SB-7 (2-4)    | SOIL   | TRURO, MA          | 07/19/24 12:30          | 07/23/24     |
| L2441230-05        | SB-8 (8-10)   | SOIL   | TRURO, MA          | 07/19/24 12:05          | 07/23/24     |
| L2441230-06        | SB-9 (6-8)    | SOIL   | TRURO, MA          | 07/19/24 11:45          | 07/23/24     |
| L2441230-07        | SB-10 (4-6)   | SOIL   | TRURO, MA          | 07/19/24 12:15          | 07/23/24     |
| L2441230-08        | SB-11 (10-12) | SOIL   | TRURO, MA          | 07/19/24 11:20          | 07/23/24     |
| L2441230-09        | SB-12 (16-18) | SOIL   | TRURO, MA          | 07/19/24 13:00          | 07/23/24     |
| L2441230-10        | SB-14 (4-6)   | SOIL   | TRURO, MA          | 07/19/24 09:50          | 07/23/24     |
| L2441230-11        | SB-13 (4-6)   | SOIL   | TRURO, MA          | 07/19/24 10:45          | 07/23/24     |
| L2441230-12        | SB-15 (2-4)   | SOIL   | TRURO, MA          | 07/19/24 10:05          | 07/23/24     |

Project Name: TRURO DPW

Lab Number: L2441230

Project Number: TRU2501.P2

Report Date: 07/31/24

**MADEP MCP Response Action Analytical Report Certification**

**This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.**

|                                                                                                              |                                                                                                                                                                                                                             |     |
|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| <b>An affirmative response to questions A through F is required for "Presumptive Certainty" status</b>       |                                                                                                                                                                                                                             |     |
| A                                                                                                            | Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times? | YES |
| B                                                                                                            | Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?                                                                                                        | YES |
| C                                                                                                            | Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?                                        | YES |
| D                                                                                                            | Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"                      | YES |
| E a.                                                                                                         | VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).                                                 | YES |
| E b.                                                                                                         | APH and TO-15 Methods only: Was the complete analyte list reported for each method?                                                                                                                                         | N/A |
| F                                                                                                            | Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?                                   | YES |
| <b>A response to questions G, H and I is required for "Presumptive Certainty" status</b>                     |                                                                                                                                                                                                                             |     |
| G                                                                                                            | Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?                                                                                                                   | YES |
| H                                                                                                            | Were all QC performance standards specified in the CAM protocol(s) achieved?                                                                                                                                                | NO  |
| I                                                                                                            | Were results reported for the complete analyte list specified in the selected CAM protocol(s)?                                                                                                                              | NO  |
| <b>For any questions answered "No", please refer to the case narrative section on the following page(s).</b> |                                                                                                                                                                                                                             |     |

**Please note that sample matrix information is located in the Sample Results section of this report.**



**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

### 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 Alpha 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, Alpha'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 Alpha Project Manager and made arrangements for Alpha 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.

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**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

### Case Narrative (continued)

#### MCP Related Narratives

##### Sample Receipt

L2441230-11 and -12: Samples identified as "SB-13 (4-6)" and "SB-15 (2-4)", respectively, were received, but not listed on the Chain of Custody. At the client's request, these sample were not analyzed.

In reference to question H:

A Matrix Spike was not submitted for the analysis of Total Metals.

##### Volatile Organics

In reference to question H:

The WG1951918-5 Method Blank, associated with L2441230-01 through -10, has a concentration above the reporting limit for bromomethane. Since the associated sample concentrations are non-detect for this target analyte, no corrective action is required.

L2441230-01 through -10: Initial Calibration did not meet:

Lowest Calibration Standard Minimum Response Factor: trichloroethene (0.1911), 1,4-dioxane (0.0026)

Average Response Factor: 1,4-dioxane

Verification: carbon disulfide (66%)

L2441230-01 through -10: The associated continuing calibration standard is outside the acceptance criteria for several compounds; however, it is within overall method allowances. Associated results are considered to be biased high if the %D is negative and biased low if the %D is positive. A copy of the continuing calibration standard is included as an addendum to this report.

##### EPH

In reference to question I:

L2441230-01 and -02 and -05 through -10: All samples were analyzed for a subset of MCP analytes per client request.

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

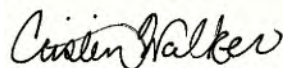
**Case Narrative (continued)**

Total Metals

L2441230-01 through -10: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

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:

 Cristin Walker

Title: Technical Director/Representative

Date: 07/31/24

## QC OUTLIER SUMMARY REPORT

**Project Name:** TRURO DPW

**Project Number:** TRU2501.P2

**Lab Number:** L2441230

**Report Date:** 07/31/24

| Method                                                  | Client ID (Native ID) | Lab ID      | Parameter              | QC Type   | Recovery/RPD (%) | QC Limits (%) | Associated Samples | Data Quality Assessment |
|---------------------------------------------------------|-----------------------|-------------|------------------------|-----------|------------------|---------------|--------------------|-------------------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |                       |             |                        |           |                  |               |                    |                         |
| 8260D                                                   | Batch QC              | WG1951918-3 | Trichlorofluoromethane | LCS       | 140              | 70-130        | 01-10              | potential high bias     |
| 8260D                                                   | Batch QC              | WG1951918-3 | Bromomethane           | LCS       | 132              | 70-130        | 01-10              | potential high bias     |
| 8260D                                                   | Batch QC              | WG1951918-3 | Chloroethane           | LCS       | 146              | 70-130        | 01-10              | potential high bias     |
| 8260D                                                   | Batch QC              | WG1951918-3 | 1,1-Dichloroethene     | LCS       | 135              | 70-130        | 01-10              | potential high bias     |
| 8260D                                                   | Batch QC              | WG1951918-3 | Diethyl ether          | LCS       | 145              | 70-130        | 01-10              | potential high bias     |
| 8260D                                                   | Batch QC              | WG1951918-4 | Methylene chloride     | LCSD      | 24               | 20            | 01-10              | non-directional bias    |
| 8260D                                                   | Batch QC              | WG1951918-4 | Dibromochloromethane   | LCSD      | 32               | 20            | 01-10              | non-directional bias    |
| 8260D                                                   | Batch QC              | WG1951918-4 | Tetrachloroethene      | LCSD      | 27               | 20            | 01-10              | non-directional bias    |
| 8260D                                                   | Batch QC              | WG1951918-4 | Tetrachloroethene      | LCSD      | 131              | 70-130        | 01-10              | potential high bias     |
| 8260D                                                   | Batch QC              | WG1951918-4 | Trichlorofluoromethane | LCSD      | 27               | 20            | 01-10              | non-directional bias    |
| 8260D                                                   | Batch QC              | WG1951918-4 | Toluene                | LCSD      | 26               | 20            | 01-10              | non-directional bias    |
| 8260D                                                   | Batch QC              | WG1951918-4 | Chloromethane          | LCSD      | 23               | 20            | 01-10              | non-directional bias    |
| 8260D                                                   | Batch QC              | WG1951918-4 | Bromomethane           | LCSD      | 22               | 20            | 01-10              | non-directional bias    |
| 8260D                                                   | Batch QC              | WG1951918-4 | Vinyl chloride         | LCSD      | 24               | 20            | 01-10              | non-directional bias    |
| 8260D                                                   | Batch QC              | WG1951918-4 | Chloroethane           | LCSD      | 32               | 20            | 01-10              | non-directional bias    |
| 8260D                                                   | Batch QC              | WG1951918-4 | 1,1-Dichloroethene     | LCSD      | 30               | 20            | 01-10              | non-directional bias    |
| 8260D                                                   | Batch QC              | WG1951918-4 | Acetone                | LCSD      | 31               | 20            | 01-10              | non-directional bias    |
| 8260D                                                   | Batch QC              | WG1951918-4 | Carbon disulfide       | LCSD      | 28               | 20            | 01-10              | non-directional bias    |
| 8260D                                                   | Batch QC              | WG1951918-4 | 1,2-Dibromoethane      | LCSD      | 24               | 20            | 01-10              | non-directional bias    |
| 8260D                                                   | Batch QC              | WG1951918-4 | Hexachlorobutadiene    | LCSD      | 21               | 20            | 01-10              | non-directional bias    |
| 8260D                                                   | Batch QC              | WG1951918-4 | 1,2,4-Trichlorobenzene | LCSD      | 22               | 20            | 01-10              | non-directional bias    |
| 8260D                                                   | Batch QC              | WG1951918-4 | Diethyl ether          | LCSD      | 27               | 20            | 01-10              | non-directional bias    |
| Volatile Petroleum Hydrocarbons - Westborough Lab       |                       |             |                        |           |                  |               |                    |                         |
| VPH-18-2.1                                              | SB-1 (2-4)            | L2441230-01 | 2,5-Dibromotoluene-PID | Surrogate | 259              | 70-130        | -                  | potential high bias     |
| VPH-18-2.1                                              | SB-1 (2-4)            | L2441230-01 | 2,5-Dibromotoluene-FID | Surrogate | 232              | 70-130        | -                  | potential high bias     |
| VPH-18-2.1                                              | SB-2 (4-6)            | L2441230-02 | 2,5-Dibromotoluene-PID | Surrogate | 150              | 70-130        | -                  | potential high bias     |
| VPH-18-2.1                                              | SB-2 (4-6)            | L2441230-02 | 2,5-Dibromotoluene-FID | Surrogate | 134              | 70-130        | -                  | potential high bias     |
| VPH-18-2.1                                              | SB-6 (2-4)            | L2441230-03 | 2,5-Dibromotoluene-PID | Surrogate | 141              | 70-130        | -                  | potential high bias     |

## QC OUTLIER SUMMARY REPORT

**Project Name:** TRURO DPW**Project Number:** TRU2501.P2**Lab Number:** L2441230**Report Date:** 07/31/24

| Method     | Client ID (Native ID) | Lab ID      | Parameter              | QC Type   | Recovery/RPD (%) | QC Limits (%) | Associated Samples | Data Quality Assessment |
|------------|-----------------------|-------------|------------------------|-----------|------------------|---------------|--------------------|-------------------------|
| VPH-18-2.1 | SB-7 (2-4)            | L2441230-04 | 2,5-Dibromotoluene-PID | Surrogate | 135              | 70-130        | -                  | potential high bias     |
| VPH-18-2.1 | SB-14 (4-6)           | L2441230-10 | 2,5-Dibromotoluene-PID | Surrogate | 132              | 70-130        | -                  | potential high bias     |
| VPH-18-2.1 | Batch QC              | WG1951831-2 | Pentane                | LCS       | 60               | 70-130        | 01-10              | potential low bias      |
| VPH-18-2.1 | Batch QC              | WG1951831-3 | Pentane                | LCSD      | 59               | 70-130        | 01-10              | potential low bias      |

# ORGANICS

# VOLATILES

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

**SAMPLE RESULTS**

**Lab ID:** L2441230-01  
**Client ID:** SB-1 (2-4)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 09:15  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil  
**Analytical Method:** 141,8260D  
**Analytical Date:** 07/25/24 10:48  
**Analyst:** AJK  
**Percent Solids:** 98%

| Parameter                                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |     |                 |
| Methylene chloride                                      | ND     |           | ug/kg | 5.4  | --  | 1               |
| 1,1-Dichloroethane                                      | ND     |           | ug/kg | 1.1  | --  | 1               |
| Chloroform                                              | ND     |           | ug/kg | 1.6  | --  | 1               |
| Carbon tetrachloride                                    | ND     |           | ug/kg | 1.1  | --  | 1               |
| 1,2-Dichloropropane                                     | ND     |           | ug/kg | 1.1  | --  | 1               |
| Dibromochloromethane                                    | ND     |           | ug/kg | 1.1  | --  | 1               |
| 1,1,2-Trichloroethane                                   | ND     |           | ug/kg | 1.1  | --  | 1               |
| Tetrachloroethene                                       | ND     |           | ug/kg | 0.54 | --  | 1               |
| Chlorobenzene                                           | ND     |           | ug/kg | 0.54 | --  | 1               |
| Trichlorofluoromethane                                  | ND     |           | ug/kg | 4.3  | --  | 1               |
| 1,2-Dichloroethane                                      | ND     |           | ug/kg | 1.1  | --  | 1               |
| 1,1,1-Trichloroethane                                   | ND     |           | ug/kg | 0.54 | --  | 1               |
| Bromodichloromethane                                    | ND     |           | ug/kg | 0.54 | --  | 1               |
| trans-1,3-Dichloropropene                               | ND     |           | ug/kg | 1.1  | --  | 1               |
| cis-1,3-Dichloropropene                                 | ND     |           | ug/kg | 0.54 | --  | 1               |
| 1,3-Dichloropropene, Total                              | ND     |           | ug/kg | 0.54 | --  | 1               |
| 1,1-Dichloropropene                                     | ND     |           | ug/kg | 0.54 | --  | 1               |
| Bromoform                                               | ND     |           | ug/kg | 4.3  | --  | 1               |
| 1,1,2,2-Tetrachloroethane                               | ND     |           | ug/kg | 0.54 | --  | 1               |
| Benzene                                                 | ND     |           | ug/kg | 0.54 | --  | 1               |
| Toluene                                                 | ND     |           | ug/kg | 1.1  | --  | 1               |
| Ethylbenzene                                            | ND     |           | ug/kg | 1.1  | --  | 1               |
| Chloromethane                                           | ND     |           | ug/kg | 4.3  | --  | 1               |
| Bromomethane                                            | ND     |           | ug/kg | 2.2  | --  | 1               |
| Vinyl chloride                                          | ND     |           | ug/kg | 1.1  | --  | 1               |
| Chloroethane                                            | ND     |           | ug/kg | 2.2  | --  | 1               |
| 1,1-Dichloroethene                                      | ND     |           | ug/kg | 1.1  | --  | 1               |
| trans-1,2-Dichloroethene                                | ND     |           | ug/kg | 1.6  | --  | 1               |

Project Name: TRURO DPW

Lab Number: L2441230

Project Number: TRU2501.P2

Report Date: 07/31/24

## SAMPLE RESULTS

Lab ID: L2441230-01

Date Collected: 07/19/24 09:15

Client ID: SB-1 (2-4)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter                                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |     |                 |
| Trichloroethene                                         | ND     |           | ug/kg | 0.54 | --  | 1               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 2.2  | --  | 1               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 2.2  | --  | 1               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 2.2  | --  | 1               |
| Methyl tert butyl ether                                 | ND     |           | ug/kg | 2.2  | --  | 1               |
| p/m-Xylene                                              | ND     |           | ug/kg | 2.2  | --  | 1               |
| o-Xylene                                                | ND     |           | ug/kg | 1.1  | --  | 1               |
| Xylenes, Total                                          | ND     |           | ug/kg | 1.1  | --  | 1               |
| cis-1,2-Dichloroethene                                  | ND     |           | ug/kg | 1.1  | --  | 1               |
| 1,2-Dichloroethene, Total                               | ND     |           | ug/kg | 1.1  | --  | 1               |
| Dibromomethane                                          | ND     |           | ug/kg | 2.2  | --  | 1               |
| 1,2,3-Trichloropropane                                  | ND     |           | ug/kg | 2.2  | --  | 1               |
| Styrene                                                 | ND     |           | ug/kg | 1.1  | --  | 1               |
| Dichlorodifluoromethane                                 | ND     |           | ug/kg | 11   | --  | 1               |
| Acetone                                                 | ND     |           | ug/kg | 27   | --  | 1               |
| Carbon disulfide                                        | ND     |           | ug/kg | 11   | --  | 1               |
| Methyl ethyl ketone                                     | ND     |           | ug/kg | 11   | --  | 1               |
| Methyl isobutyl ketone                                  | ND     |           | ug/kg | 11   | --  | 1               |
| 2-Hexanone                                              | ND     |           | ug/kg | 11   | --  | 1               |
| Bromochloromethane                                      | ND     |           | ug/kg | 2.2  | --  | 1               |
| Tetrahydrofuran                                         | ND     |           | ug/kg | 4.3  | --  | 1               |
| 2,2-Dichloropropane                                     | ND     |           | ug/kg | 2.2  | --  | 1               |
| 1,2-Dibromoethane                                       | ND     |           | ug/kg | 1.1  | --  | 1               |
| 1,3-Dichloropropane                                     | ND     |           | ug/kg | 2.2  | --  | 1               |
| 1,1,1,2-Tetrachloroethane                               | ND     |           | ug/kg | 0.54 | --  | 1               |
| Bromobenzene                                            | ND     |           | ug/kg | 2.2  | --  | 1               |
| n-Butylbenzene                                          | ND     |           | ug/kg | 1.1  | --  | 1               |
| sec-Butylbenzene                                        | ND     |           | ug/kg | 1.1  | --  | 1               |
| tert-Butylbenzene                                       | ND     |           | ug/kg | 2.2  | --  | 1               |
| o-Chlorotoluene                                         | ND     |           | ug/kg | 2.2  | --  | 1               |
| p-Chlorotoluene                                         | ND     |           | ug/kg | 2.2  | --  | 1               |
| 1,2-Dibromo-3-chloropropane                             | ND     |           | ug/kg | 3.2  | --  | 1               |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 4.3  | --  | 1               |
| Isopropylbenzene                                        | ND     |           | ug/kg | 1.1  | --  | 1               |
| p-Isopropyltoluene                                      | ND     |           | ug/kg | 1.1  | --  | 1               |
| Naphthalene                                             | ND     |           | ug/kg | 4.3  | --  | 1               |
| n-Propylbenzene                                         | ND     |           | ug/kg | 1.1  | --  | 1               |



**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

**SAMPLE RESULTS**

**Lab ID:** L2441230-01  
**Client ID:** SB-1 (2-4)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 09:15  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

Sample Depth:

| Parameter                                               | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |     |                 |
| 1,2,3-Trichlorobenzene                                  | ND     |           | ug/kg | 2.2 | --  | 1               |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 2.2 | --  | 1               |
| 1,3,5-Trimethylbenzene                                  | ND     |           | ug/kg | 2.2 | --  | 1               |
| 1,2,4-Trimethylbenzene                                  | ND     |           | ug/kg | 2.2 | --  | 1               |
| Diethyl ether                                           | ND     |           | ug/kg | 2.2 | --  | 1               |
| Diisopropyl Ether                                       | ND     |           | ug/kg | 2.2 | --  | 1               |
| Ethyl-Tert-Butyl-Ether                                  | ND     |           | ug/kg | 2.2 | --  | 1               |
| Tertiary-Amyl Methyl Ether                              | ND     |           | ug/kg | 2.2 | --  | 1               |
| 1,4-Dioxane                                             | ND     |           | ug/kg | 86  | --  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 114        |           | 70-130              |
| Toluene-d8            | 83         |           | 70-130              |
| 4-Bromofluorobenzene  | 93         |           | 70-130              |
| Dibromofluoromethane  | 104        |           | 70-130              |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

**SAMPLE RESULTS**

**Lab ID:** L2441230-02  
**Client ID:** SB-2 (4-6)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 09:40  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil  
**Analytical Method:** 141,8260D  
**Analytical Date:** 07/25/24 11:16  
**Analyst:** AJK  
**Percent Solids:** 97%

| Parameter                                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |     |                 |
| Methylene chloride                                      | ND     |           | ug/kg | 5.3  | --  | 1               |
| 1,1-Dichloroethane                                      | ND     |           | ug/kg | 1.0  | --  | 1               |
| Chloroform                                              | ND     |           | ug/kg | 1.6  | --  | 1               |
| Carbon tetrachloride                                    | ND     |           | ug/kg | 1.0  | --  | 1               |
| 1,2-Dichloropropane                                     | ND     |           | ug/kg | 1.0  | --  | 1               |
| Dibromochloromethane                                    | ND     |           | ug/kg | 1.0  | --  | 1               |
| 1,1,2-Trichloroethane                                   | ND     |           | ug/kg | 1.0  | --  | 1               |
| Tetrachloroethene                                       | ND     |           | ug/kg | 0.53 | --  | 1               |
| Chlorobenzene                                           | ND     |           | ug/kg | 0.53 | --  | 1               |
| Trichlorofluoromethane                                  | ND     |           | ug/kg | 4.2  | --  | 1               |
| 1,2-Dichloroethane                                      | ND     |           | ug/kg | 1.0  | --  | 1               |
| 1,1,1-Trichloroethane                                   | ND     |           | ug/kg | 0.53 | --  | 1               |
| Bromodichloromethane                                    | ND     |           | ug/kg | 0.53 | --  | 1               |
| trans-1,3-Dichloropropene                               | ND     |           | ug/kg | 1.0  | --  | 1               |
| cis-1,3-Dichloropropene                                 | ND     |           | ug/kg | 0.53 | --  | 1               |
| 1,3-Dichloropropene, Total                              | ND     |           | ug/kg | 0.53 | --  | 1               |
| 1,1-Dichloropropene                                     | ND     |           | ug/kg | 0.53 | --  | 1               |
| Bromoform                                               | ND     |           | ug/kg | 4.2  | --  | 1               |
| 1,1,2,2-Tetrachloroethane                               | ND     |           | ug/kg | 0.53 | --  | 1               |
| Benzene                                                 | ND     |           | ug/kg | 0.53 | --  | 1               |
| Toluene                                                 | ND     |           | ug/kg | 1.0  | --  | 1               |
| Ethylbenzene                                            | ND     |           | ug/kg | 1.0  | --  | 1               |
| Chloromethane                                           | ND     |           | ug/kg | 4.2  | --  | 1               |
| Bromomethane                                            | ND     |           | ug/kg | 2.1  | --  | 1               |
| Vinyl chloride                                          | ND     |           | ug/kg | 1.0  | --  | 1               |
| Chloroethane                                            | ND     |           | ug/kg | 2.1  | --  | 1               |
| 1,1-Dichloroethene                                      | ND     |           | ug/kg | 1.0  | --  | 1               |
| trans-1,2-Dichloroethene                                | ND     |           | ug/kg | 1.6  | --  | 1               |

Project Name: TRURO DPW

Lab Number: L2441230

Project Number: TRU2501.P2

Report Date: 07/31/24

## SAMPLE RESULTS

Lab ID: L2441230-02

Date Collected: 07/19/24 09:40

Client ID: SB-2 (4-6)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter                                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |     |                 |
| Trichloroethene                                         | ND     |           | ug/kg | 0.53 | --  | 1               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 2.1  | --  | 1               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 2.1  | --  | 1               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 2.1  | --  | 1               |
| Methyl tert butyl ether                                 | ND     |           | ug/kg | 2.1  | --  | 1               |
| p/m-Xylene                                              | ND     |           | ug/kg | 2.1  | --  | 1               |
| o-Xylene                                                | ND     |           | ug/kg | 1.0  | --  | 1               |
| Xylenes, Total                                          | ND     |           | ug/kg | 1.0  | --  | 1               |
| cis-1,2-Dichloroethene                                  | ND     |           | ug/kg | 1.0  | --  | 1               |
| 1,2-Dichloroethene, Total                               | ND     |           | ug/kg | 1.0  | --  | 1               |
| Dibromomethane                                          | ND     |           | ug/kg | 2.1  | --  | 1               |
| 1,2,3-Trichloropropane                                  | ND     |           | ug/kg | 2.1  | --  | 1               |
| Styrene                                                 | ND     |           | ug/kg | 1.0  | --  | 1               |
| Dichlorodifluoromethane                                 | ND     |           | ug/kg | 10   | --  | 1               |
| Acetone                                                 | ND     |           | ug/kg | 26   | --  | 1               |
| Carbon disulfide                                        | ND     |           | ug/kg | 10   | --  | 1               |
| Methyl ethyl ketone                                     | ND     |           | ug/kg | 10   | --  | 1               |
| Methyl isobutyl ketone                                  | ND     |           | ug/kg | 10   | --  | 1               |
| 2-Hexanone                                              | ND     |           | ug/kg | 10   | --  | 1               |
| Bromochloromethane                                      | ND     |           | ug/kg | 2.1  | --  | 1               |
| Tetrahydrofuran                                         | ND     |           | ug/kg | 4.2  | --  | 1               |
| 2,2-Dichloropropane                                     | ND     |           | ug/kg | 2.1  | --  | 1               |
| 1,2-Dibromoethane                                       | ND     |           | ug/kg | 1.0  | --  | 1               |
| 1,3-Dichloropropane                                     | ND     |           | ug/kg | 2.1  | --  | 1               |
| 1,1,1,2-Tetrachloroethane                               | ND     |           | ug/kg | 0.53 | --  | 1               |
| Bromobenzene                                            | ND     |           | ug/kg | 2.1  | --  | 1               |
| n-Butylbenzene                                          | ND     |           | ug/kg | 1.0  | --  | 1               |
| sec-Butylbenzene                                        | ND     |           | ug/kg | 1.0  | --  | 1               |
| tert-Butylbenzene                                       | ND     |           | ug/kg | 2.1  | --  | 1               |
| o-Chlorotoluene                                         | ND     |           | ug/kg | 2.1  | --  | 1               |
| p-Chlorotoluene                                         | ND     |           | ug/kg | 2.1  | --  | 1               |
| 1,2-Dibromo-3-chloropropane                             | ND     |           | ug/kg | 3.2  | --  | 1               |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 4.2  | --  | 1               |
| Isopropylbenzene                                        | ND     |           | ug/kg | 1.0  | --  | 1               |
| p-Isopropyltoluene                                      | ND     |           | ug/kg | 1.0  | --  | 1               |
| Naphthalene                                             | ND     |           | ug/kg | 4.2  | --  | 1               |
| n-Propylbenzene                                         | ND     |           | ug/kg | 1.0  | --  | 1               |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

**SAMPLE RESULTS**

**Lab ID:** L2441230-02  
**Client ID:** SB-2 (4-6)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 09:40  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

Sample Depth:

| Parameter                                               | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |     |                 |
| 1,2,3-Trichlorobenzene                                  | ND     |           | ug/kg | 2.1 | --  | 1               |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 2.1 | --  | 1               |
| 1,3,5-Trimethylbenzene                                  | ND     |           | ug/kg | 2.1 | --  | 1               |
| 1,2,4-Trimethylbenzene                                  | ND     |           | ug/kg | 2.1 | --  | 1               |
| Diethyl ether                                           | ND     |           | ug/kg | 2.1 | --  | 1               |
| Diisopropyl Ether                                       | ND     |           | ug/kg | 2.1 | --  | 1               |
| Ethyl-Tert-Butyl-Ether                                  | ND     |           | ug/kg | 2.1 | --  | 1               |
| Tertiary-Amyl Methyl Ether                              | ND     |           | ug/kg | 2.1 | --  | 1               |
| 1,4-Dioxane                                             | ND     |           | ug/kg | 84  | --  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 114        |           | 70-130              |
| Toluene-d8            | 104        |           | 70-130              |
| 4-Bromofluorobenzene  | 108        |           | 70-130              |
| Dibromofluoromethane  | 107        |           | 70-130              |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

**SAMPLE RESULTS**

**Lab ID:** L2441230-03  
**Client ID:** SB-6 (2-4)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 10:15  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil  
**Analytical Method:** 141,8260D  
**Analytical Date:** 07/25/24 11:43  
**Analyst:** AJK  
**Percent Solids:** 99%

| Parameter                                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |     |                 |
| Methylene chloride                                      | ND     |           | ug/kg | 5.4  | --  | 1               |
| 1,1-Dichloroethane                                      | ND     |           | ug/kg | 1.1  | --  | 1               |
| Chloroform                                              | ND     |           | ug/kg | 1.6  | --  | 1               |
| Carbon tetrachloride                                    | ND     |           | ug/kg | 1.1  | --  | 1               |
| 1,2-Dichloropropane                                     | ND     |           | ug/kg | 1.1  | --  | 1               |
| Dibromochloromethane                                    | ND     |           | ug/kg | 1.1  | --  | 1               |
| 1,1,2-Trichloroethane                                   | ND     |           | ug/kg | 1.1  | --  | 1               |
| Tetrachloroethene                                       | ND     |           | ug/kg | 0.54 | --  | 1               |
| Chlorobenzene                                           | ND     |           | ug/kg | 0.54 | --  | 1               |
| Trichlorofluoromethane                                  | ND     |           | ug/kg | 4.3  | --  | 1               |
| 1,2-Dichloroethane                                      | ND     |           | ug/kg | 1.1  | --  | 1               |
| 1,1,1-Trichloroethane                                   | ND     |           | ug/kg | 0.54 | --  | 1               |
| Bromodichloromethane                                    | ND     |           | ug/kg | 0.54 | --  | 1               |
| trans-1,3-Dichloropropene                               | ND     |           | ug/kg | 1.1  | --  | 1               |
| cis-1,3-Dichloropropene                                 | ND     |           | ug/kg | 0.54 | --  | 1               |
| 1,3-Dichloropropene, Total                              | ND     |           | ug/kg | 0.54 | --  | 1               |
| 1,1-Dichloropropene                                     | ND     |           | ug/kg | 0.54 | --  | 1               |
| Bromoform                                               | ND     |           | ug/kg | 4.3  | --  | 1               |
| 1,1,2,2-Tetrachloroethane                               | ND     |           | ug/kg | 0.54 | --  | 1               |
| Benzene                                                 | ND     |           | ug/kg | 0.54 | --  | 1               |
| Toluene                                                 | ND     |           | ug/kg | 1.1  | --  | 1               |
| Ethylbenzene                                            | ND     |           | ug/kg | 1.1  | --  | 1               |
| Chloromethane                                           | ND     |           | ug/kg | 4.3  | --  | 1               |
| Bromomethane                                            | ND     |           | ug/kg | 2.1  | --  | 1               |
| Vinyl chloride                                          | ND     |           | ug/kg | 1.1  | --  | 1               |
| Chloroethane                                            | ND     |           | ug/kg | 2.1  | --  | 1               |
| 1,1-Dichloroethene                                      | ND     |           | ug/kg | 1.1  | --  | 1               |
| trans-1,2-Dichloroethene                                | ND     |           | ug/kg | 1.6  | --  | 1               |

Project Name: TRURO DPW

Lab Number: L2441230

Project Number: TRU2501.P2

Report Date: 07/31/24

## SAMPLE RESULTS

Lab ID: L2441230-03

Date Collected: 07/19/24 10:15

Client ID: SB-6 (2-4)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter                                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |     |                 |
| Trichloroethene                                         | ND     |           | ug/kg | 0.54 | --  | 1               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 2.1  | --  | 1               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 2.1  | --  | 1               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 2.1  | --  | 1               |
| Methyl tert butyl ether                                 | ND     |           | ug/kg | 2.1  | --  | 1               |
| p/m-Xylene                                              | ND     |           | ug/kg | 2.1  | --  | 1               |
| o-Xylene                                                | ND     |           | ug/kg | 1.1  | --  | 1               |
| Xylenes, Total                                          | ND     |           | ug/kg | 1.1  | --  | 1               |
| cis-1,2-Dichloroethene                                  | ND     |           | ug/kg | 1.1  | --  | 1               |
| 1,2-Dichloroethene, Total                               | ND     |           | ug/kg | 1.1  | --  | 1               |
| Dibromomethane                                          | ND     |           | ug/kg | 2.1  | --  | 1               |
| 1,2,3-Trichloropropane                                  | ND     |           | ug/kg | 2.1  | --  | 1               |
| Styrene                                                 | ND     |           | ug/kg | 1.1  | --  | 1               |
| Dichlorodifluoromethane                                 | ND     |           | ug/kg | 11   | --  | 1               |
| Acetone                                                 | ND     |           | ug/kg | 27   | --  | 1               |
| Carbon disulfide                                        | ND     |           | ug/kg | 11   | --  | 1               |
| Methyl ethyl ketone                                     | ND     |           | ug/kg | 11   | --  | 1               |
| Methyl isobutyl ketone                                  | ND     |           | ug/kg | 11   | --  | 1               |
| 2-Hexanone                                              | ND     |           | ug/kg | 11   | --  | 1               |
| Bromochloromethane                                      | ND     |           | ug/kg | 2.1  | --  | 1               |
| Tetrahydrofuran                                         | ND     |           | ug/kg | 4.3  | --  | 1               |
| 2,2-Dichloropropane                                     | ND     |           | ug/kg | 2.1  | --  | 1               |
| 1,2-Dibromoethane                                       | ND     |           | ug/kg | 1.1  | --  | 1               |
| 1,3-Dichloropropane                                     | ND     |           | ug/kg | 2.1  | --  | 1               |
| 1,1,1,2-Tetrachloroethane                               | ND     |           | ug/kg | 0.54 | --  | 1               |
| Bromobenzene                                            | ND     |           | ug/kg | 2.1  | --  | 1               |
| n-Butylbenzene                                          | ND     |           | ug/kg | 1.1  | --  | 1               |
| sec-Butylbenzene                                        | ND     |           | ug/kg | 1.1  | --  | 1               |
| tert-Butylbenzene                                       | ND     |           | ug/kg | 2.1  | --  | 1               |
| o-Chlorotoluene                                         | ND     |           | ug/kg | 2.1  | --  | 1               |
| p-Chlorotoluene                                         | ND     |           | ug/kg | 2.1  | --  | 1               |
| 1,2-Dibromo-3-chloropropane                             | ND     |           | ug/kg | 3.2  | --  | 1               |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 4.3  | --  | 1               |
| Isopropylbenzene                                        | ND     |           | ug/kg | 1.1  | --  | 1               |
| p-Isopropyltoluene                                      | ND     |           | ug/kg | 1.1  | --  | 1               |
| Naphthalene                                             | ND     |           | ug/kg | 4.3  | --  | 1               |
| n-Propylbenzene                                         | ND     |           | ug/kg | 1.1  | --  | 1               |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

**SAMPLE RESULTS**

**Lab ID:** L2441230-03  
**Client ID:** SB-6 (2-4)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 10:15  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

Sample Depth:

| Parameter                                               | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |     |                 |
| 1,2,3-Trichlorobenzene                                  | ND     |           | ug/kg | 2.1 | --  | 1               |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 2.1 | --  | 1               |
| 1,3,5-Trimethylbenzene                                  | ND     |           | ug/kg | 2.1 | --  | 1               |
| 1,2,4-Trimethylbenzene                                  | ND     |           | ug/kg | 2.1 | --  | 1               |
| Diethyl ether                                           | ND     |           | ug/kg | 2.1 | --  | 1               |
| Diisopropyl Ether                                       | ND     |           | ug/kg | 2.1 | --  | 1               |
| Ethyl-Tert-Butyl-Ether                                  | ND     |           | ug/kg | 2.1 | --  | 1               |
| Tertiary-Amyl Methyl Ether                              | ND     |           | ug/kg | 2.1 | --  | 1               |
| 1,4-Dioxane                                             | ND     |           | ug/kg | 86  | --  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 118        |           | 70-130              |
| Toluene-d8            | 85         |           | 70-130              |
| 4-Bromofluorobenzene  | 82         |           | 70-130              |
| Dibromofluoromethane  | 105        |           | 70-130              |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

**SAMPLE RESULTS**

**Lab ID:** L2441230-04  
**Client ID:** SB-7 (2-4)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 12:30  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil  
**Analytical Method:** 141,8260D  
**Analytical Date:** 07/25/24 12:10  
**Analyst:** AJK  
**Percent Solids:** 98%

| Parameter                                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |     |                 |
| Methylene chloride                                      | ND     |           | ug/kg | 5.8  | --  | 1               |
| 1,1-Dichloroethane                                      | ND     |           | ug/kg | 1.2  | --  | 1               |
| Chloroform                                              | ND     |           | ug/kg | 1.8  | --  | 1               |
| Carbon tetrachloride                                    | ND     |           | ug/kg | 1.2  | --  | 1               |
| 1,2-Dichloropropane                                     | ND     |           | ug/kg | 1.2  | --  | 1               |
| Dibromochloromethane                                    | ND     |           | ug/kg | 1.2  | --  | 1               |
| 1,1,2-Trichloroethane                                   | ND     |           | ug/kg | 1.2  | --  | 1               |
| Tetrachloroethene                                       | ND     |           | ug/kg | 0.58 | --  | 1               |
| Chlorobenzene                                           | ND     |           | ug/kg | 0.58 | --  | 1               |
| Trichlorofluoromethane                                  | ND     |           | ug/kg | 4.7  | --  | 1               |
| 1,2-Dichloroethane                                      | ND     |           | ug/kg | 1.2  | --  | 1               |
| 1,1,1-Trichloroethane                                   | ND     |           | ug/kg | 0.58 | --  | 1               |
| Bromodichloromethane                                    | ND     |           | ug/kg | 0.58 | --  | 1               |
| trans-1,3-Dichloropropene                               | ND     |           | ug/kg | 1.2  | --  | 1               |
| cis-1,3-Dichloropropene                                 | ND     |           | ug/kg | 0.58 | --  | 1               |
| 1,3-Dichloropropene, Total                              | ND     |           | ug/kg | 0.58 | --  | 1               |
| 1,1-Dichloropropene                                     | ND     |           | ug/kg | 0.58 | --  | 1               |
| Bromoform                                               | ND     |           | ug/kg | 4.7  | --  | 1               |
| 1,1,2,2-Tetrachloroethane                               | ND     |           | ug/kg | 0.58 | --  | 1               |
| Benzene                                                 | ND     |           | ug/kg | 0.58 | --  | 1               |
| Toluene                                                 | ND     |           | ug/kg | 1.2  | --  | 1               |
| Ethylbenzene                                            | ND     |           | ug/kg | 1.2  | --  | 1               |
| Chloromethane                                           | ND     |           | ug/kg | 4.7  | --  | 1               |
| Bromomethane                                            | ND     |           | ug/kg | 2.3  | --  | 1               |
| Vinyl chloride                                          | ND     |           | ug/kg | 1.2  | --  | 1               |
| Chloroethane                                            | ND     |           | ug/kg | 2.3  | --  | 1               |
| 1,1-Dichloroethene                                      | ND     |           | ug/kg | 1.2  | --  | 1               |
| trans-1,2-Dichloroethene                                | ND     |           | ug/kg | 1.8  | --  | 1               |



Project Name: TRURO DPW

Lab Number: L2441230

Project Number: TRU2501.P2

Report Date: 07/31/24

## SAMPLE RESULTS

Lab ID: L2441230-04

Date Collected: 07/19/24 12:30

Client ID: SB-7 (2-4)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter                                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |     |                 |
| Trichloroethene                                         | ND     |           | ug/kg | 0.58 | --  | 1               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 2.3  | --  | 1               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 2.3  | --  | 1               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 2.3  | --  | 1               |
| Methyl tert butyl ether                                 | ND     |           | ug/kg | 2.3  | --  | 1               |
| p/m-Xylene                                              | ND     |           | ug/kg | 2.3  | --  | 1               |
| o-Xylene                                                | ND     |           | ug/kg | 1.2  | --  | 1               |
| Xylenes, Total                                          | ND     |           | ug/kg | 1.2  | --  | 1               |
| cis-1,2-Dichloroethene                                  | ND     |           | ug/kg | 1.2  | --  | 1               |
| 1,2-Dichloroethene, Total                               | ND     |           | ug/kg | 1.2  | --  | 1               |
| Dibromomethane                                          | ND     |           | ug/kg | 2.3  | --  | 1               |
| 1,2,3-Trichloropropane                                  | ND     |           | ug/kg | 2.3  | --  | 1               |
| Styrene                                                 | ND     |           | ug/kg | 1.2  | --  | 1               |
| Dichlorodifluoromethane                                 | ND     |           | ug/kg | 12   | --  | 1               |
| Acetone                                                 | ND     |           | ug/kg | 29   | --  | 1               |
| Carbon disulfide                                        | ND     |           | ug/kg | 12   | --  | 1               |
| Methyl ethyl ketone                                     | ND     |           | ug/kg | 12   | --  | 1               |
| Methyl isobutyl ketone                                  | ND     |           | ug/kg | 12   | --  | 1               |
| 2-Hexanone                                              | ND     |           | ug/kg | 12   | --  | 1               |
| Bromochloromethane                                      | ND     |           | ug/kg | 2.3  | --  | 1               |
| Tetrahydrofuran                                         | ND     |           | ug/kg | 4.7  | --  | 1               |
| 2,2-Dichloropropane                                     | ND     |           | ug/kg | 2.3  | --  | 1               |
| 1,2-Dibromoethane                                       | ND     |           | ug/kg | 1.2  | --  | 1               |
| 1,3-Dichloropropane                                     | ND     |           | ug/kg | 2.3  | --  | 1               |
| 1,1,1,2-Tetrachloroethane                               | ND     |           | ug/kg | 0.58 | --  | 1               |
| Bromobenzene                                            | ND     |           | ug/kg | 2.3  | --  | 1               |
| n-Butylbenzene                                          | ND     |           | ug/kg | 1.2  | --  | 1               |
| sec-Butylbenzene                                        | ND     |           | ug/kg | 1.2  | --  | 1               |
| tert-Butylbenzene                                       | ND     |           | ug/kg | 2.3  | --  | 1               |
| o-Chlorotoluene                                         | ND     |           | ug/kg | 2.3  | --  | 1               |
| p-Chlorotoluene                                         | ND     |           | ug/kg | 2.3  | --  | 1               |
| 1,2-Dibromo-3-chloropropane                             | ND     |           | ug/kg | 3.5  | --  | 1               |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 4.7  | --  | 1               |
| Isopropylbenzene                                        | ND     |           | ug/kg | 1.2  | --  | 1               |
| p-Isopropyltoluene                                      | ND     |           | ug/kg | 1.2  | --  | 1               |
| Naphthalene                                             | ND     |           | ug/kg | 4.7  | --  | 1               |
| n-Propylbenzene                                         | ND     |           | ug/kg | 1.2  | --  | 1               |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

**SAMPLE RESULTS**

**Lab ID:** L2441230-04  
**Client ID:** SB-7 (2-4)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 12:30  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

Sample Depth:

| Parameter                                               | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |     |                 |
| 1,2,3-Trichlorobenzene                                  | ND     |           | ug/kg | 2.3 | --  | 1               |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 2.3 | --  | 1               |
| 1,3,5-Trimethylbenzene                                  | ND     |           | ug/kg | 2.3 | --  | 1               |
| 1,2,4-Trimethylbenzene                                  | ND     |           | ug/kg | 2.3 | --  | 1               |
| Diethyl ether                                           | ND     |           | ug/kg | 2.3 | --  | 1               |
| Diisopropyl Ether                                       | ND     |           | ug/kg | 2.3 | --  | 1               |
| Ethyl-Tert-Butyl-Ether                                  | ND     |           | ug/kg | 2.3 | --  | 1               |
| Tertiary-Amyl Methyl Ether                              | ND     |           | ug/kg | 2.3 | --  | 1               |
| 1,4-Dioxane                                             | ND     |           | ug/kg | 94  | --  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 119        |           | 70-130              |
| Toluene-d8            | 101        |           | 70-130              |
| 4-Bromofluorobenzene  | 109        |           | 70-130              |
| Dibromofluoromethane  | 107        |           | 70-130              |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

**SAMPLE RESULTS**

**Lab ID:** L2441230-05  
**Client ID:** SB-8 (8-10)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 12:05  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil  
**Analytical Method:** 141,8260D  
**Analytical Date:** 07/25/24 12:37  
**Analyst:** AJK  
**Percent Solids:** 97%

| Parameter                                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |     |                 |
| Methylene chloride                                      | ND     |           | ug/kg | 5.9  | --  | 1               |
| 1,1-Dichloroethane                                      | ND     |           | ug/kg | 1.2  | --  | 1               |
| Chloroform                                              | ND     |           | ug/kg | 1.8  | --  | 1               |
| Carbon tetrachloride                                    | ND     |           | ug/kg | 1.2  | --  | 1               |
| 1,2-Dichloropropane                                     | ND     |           | ug/kg | 1.2  | --  | 1               |
| Dibromochloromethane                                    | ND     |           | ug/kg | 1.2  | --  | 1               |
| 1,1,2-Trichloroethane                                   | ND     |           | ug/kg | 1.2  | --  | 1               |
| Tetrachloroethene                                       | ND     |           | ug/kg | 0.59 | --  | 1               |
| Chlorobenzene                                           | ND     |           | ug/kg | 0.59 | --  | 1               |
| Trichlorofluoromethane                                  | ND     |           | ug/kg | 4.7  | --  | 1               |
| 1,2-Dichloroethane                                      | ND     |           | ug/kg | 1.2  | --  | 1               |
| 1,1,1-Trichloroethane                                   | ND     |           | ug/kg | 0.59 | --  | 1               |
| Bromodichloromethane                                    | ND     |           | ug/kg | 0.59 | --  | 1               |
| trans-1,3-Dichloropropene                               | ND     |           | ug/kg | 1.2  | --  | 1               |
| cis-1,3-Dichloropropene                                 | ND     |           | ug/kg | 0.59 | --  | 1               |
| 1,3-Dichloropropene, Total                              | ND     |           | ug/kg | 0.59 | --  | 1               |
| 1,1-Dichloropropene                                     | ND     |           | ug/kg | 0.59 | --  | 1               |
| Bromoform                                               | ND     |           | ug/kg | 4.7  | --  | 1               |
| 1,1,2,2-Tetrachloroethane                               | ND     |           | ug/kg | 0.59 | --  | 1               |
| Benzene                                                 | ND     |           | ug/kg | 0.59 | --  | 1               |
| Toluene                                                 | ND     |           | ug/kg | 1.2  | --  | 1               |
| Ethylbenzene                                            | ND     |           | ug/kg | 1.2  | --  | 1               |
| Chloromethane                                           | ND     |           | ug/kg | 4.7  | --  | 1               |
| Bromomethane                                            | ND     |           | ug/kg | 2.4  | --  | 1               |
| Vinyl chloride                                          | ND     |           | ug/kg | 1.2  | --  | 1               |
| Chloroethane                                            | ND     |           | ug/kg | 2.4  | --  | 1               |
| 1,1-Dichloroethene                                      | ND     |           | ug/kg | 1.2  | --  | 1               |
| trans-1,2-Dichloroethene                                | ND     |           | ug/kg | 1.8  | --  | 1               |

Project Name: TRURO DPW

Lab Number: L2441230

Project Number: TRU2501.P2

Report Date: 07/31/24

## SAMPLE RESULTS

Lab ID: L2441230-05

Date Collected: 07/19/24 12:05

Client ID: SB-8 (8-10)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter                                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |     |                 |
| Trichloroethene                                         | ND     |           | ug/kg | 0.59 | --  | 1               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 2.4  | --  | 1               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 2.4  | --  | 1               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 2.4  | --  | 1               |
| Methyl tert butyl ether                                 | ND     |           | ug/kg | 2.4  | --  | 1               |
| p/m-Xylene                                              | ND     |           | ug/kg | 2.4  | --  | 1               |
| o-Xylene                                                | ND     |           | ug/kg | 1.2  | --  | 1               |
| Xylenes, Total                                          | ND     |           | ug/kg | 1.2  | --  | 1               |
| cis-1,2-Dichloroethene                                  | ND     |           | ug/kg | 1.2  | --  | 1               |
| 1,2-Dichloroethene, Total                               | ND     |           | ug/kg | 1.2  | --  | 1               |
| Dibromomethane                                          | ND     |           | ug/kg | 2.4  | --  | 1               |
| 1,2,3-Trichloropropane                                  | ND     |           | ug/kg | 2.4  | --  | 1               |
| Styrene                                                 | ND     |           | ug/kg | 1.2  | --  | 1               |
| Dichlorodifluoromethane                                 | ND     |           | ug/kg | 12   | --  | 1               |
| Acetone                                                 | ND     |           | ug/kg | 30   | --  | 1               |
| Carbon disulfide                                        | ND     |           | ug/kg | 12   | --  | 1               |
| Methyl ethyl ketone                                     | ND     |           | ug/kg | 12   | --  | 1               |
| Methyl isobutyl ketone                                  | ND     |           | ug/kg | 12   | --  | 1               |
| 2-Hexanone                                              | ND     |           | ug/kg | 12   | --  | 1               |
| Bromochloromethane                                      | ND     |           | ug/kg | 2.4  | --  | 1               |
| Tetrahydrofuran                                         | ND     |           | ug/kg | 4.7  | --  | 1               |
| 2,2-Dichloropropane                                     | ND     |           | ug/kg | 2.4  | --  | 1               |
| 1,2-Dibromoethane                                       | ND     |           | ug/kg | 1.2  | --  | 1               |
| 1,3-Dichloropropane                                     | ND     |           | ug/kg | 2.4  | --  | 1               |
| 1,1,1,2-Tetrachloroethane                               | ND     |           | ug/kg | 0.59 | --  | 1               |
| Bromobenzene                                            | ND     |           | ug/kg | 2.4  | --  | 1               |
| n-Butylbenzene                                          | ND     |           | ug/kg | 1.2  | --  | 1               |
| sec-Butylbenzene                                        | ND     |           | ug/kg | 1.2  | --  | 1               |
| tert-Butylbenzene                                       | ND     |           | ug/kg | 2.4  | --  | 1               |
| o-Chlorotoluene                                         | ND     |           | ug/kg | 2.4  | --  | 1               |
| p-Chlorotoluene                                         | ND     |           | ug/kg | 2.4  | --  | 1               |
| 1,2-Dibromo-3-chloropropane                             | ND     |           | ug/kg | 3.6  | --  | 1               |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 4.7  | --  | 1               |
| Isopropylbenzene                                        | ND     |           | ug/kg | 1.2  | --  | 1               |
| p-Isopropyltoluene                                      | ND     |           | ug/kg | 1.2  | --  | 1               |
| Naphthalene                                             | ND     |           | ug/kg | 4.7  | --  | 1               |
| n-Propylbenzene                                         | ND     |           | ug/kg | 1.2  | --  | 1               |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

**SAMPLE RESULTS**

**Lab ID:** L2441230-05  
**Client ID:** SB-8 (8-10)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 12:05  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

Sample Depth:

| Parameter                                               | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |     |                 |
| 1,2,3-Trichlorobenzene                                  | ND     |           | ug/kg | 2.4 | --  | 1               |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 2.4 | --  | 1               |
| 1,3,5-Trimethylbenzene                                  | ND     |           | ug/kg | 2.4 | --  | 1               |
| 1,2,4-Trimethylbenzene                                  | ND     |           | ug/kg | 2.4 | --  | 1               |
| Diethyl ether                                           | ND     |           | ug/kg | 2.4 | --  | 1               |
| Diisopropyl Ether                                       | ND     |           | ug/kg | 2.4 | --  | 1               |
| Ethyl-Tert-Butyl-Ether                                  | ND     |           | ug/kg | 2.4 | --  | 1               |
| Tertiary-Amyl Methyl Ether                              | ND     |           | ug/kg | 2.4 | --  | 1               |
| 1,4-Dioxane                                             | ND     |           | ug/kg | 95  | --  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 120        |           | 70-130              |
| Toluene-d8            | 101        |           | 70-130              |
| 4-Bromofluorobenzene  | 96         |           | 70-130              |
| Dibromofluoromethane  | 105        |           | 70-130              |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

**SAMPLE RESULTS**

**Lab ID:** L2441230-06  
**Client ID:** SB-9 (6-8)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 11:45  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil  
**Analytical Method:** 141,8260D  
**Analytical Date:** 07/25/24 13:04  
**Analyst:** AJK  
**Percent Solids:** 97%

| Parameter                                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |     |                 |
| Methylene chloride                                      | ND     |           | ug/kg | 6.0  | --  | 1               |
| 1,1-Dichloroethane                                      | ND     |           | ug/kg | 1.2  | --  | 1               |
| Chloroform                                              | ND     |           | ug/kg | 1.8  | --  | 1               |
| Carbon tetrachloride                                    | ND     |           | ug/kg | 1.2  | --  | 1               |
| 1,2-Dichloropropane                                     | ND     |           | ug/kg | 1.2  | --  | 1               |
| Dibromochloromethane                                    | ND     |           | ug/kg | 1.2  | --  | 1               |
| 1,1,2-Trichloroethane                                   | ND     |           | ug/kg | 1.2  | --  | 1               |
| Tetrachloroethene                                       | ND     |           | ug/kg | 0.60 | --  | 1               |
| Chlorobenzene                                           | ND     |           | ug/kg | 0.60 | --  | 1               |
| Trichlorofluoromethane                                  | ND     |           | ug/kg | 4.8  | --  | 1               |
| 1,2-Dichloroethane                                      | ND     |           | ug/kg | 1.2  | --  | 1               |
| 1,1,1-Trichloroethane                                   | ND     |           | ug/kg | 0.60 | --  | 1               |
| Bromodichloromethane                                    | ND     |           | ug/kg | 0.60 | --  | 1               |
| trans-1,3-Dichloropropene                               | ND     |           | ug/kg | 1.2  | --  | 1               |
| cis-1,3-Dichloropropene                                 | ND     |           | ug/kg | 0.60 | --  | 1               |
| 1,3-Dichloropropene, Total                              | ND     |           | ug/kg | 0.60 | --  | 1               |
| 1,1-Dichloropropene                                     | ND     |           | ug/kg | 0.60 | --  | 1               |
| Bromoform                                               | ND     |           | ug/kg | 4.8  | --  | 1               |
| 1,1,2,2-Tetrachloroethane                               | ND     |           | ug/kg | 0.60 | --  | 1               |
| Benzene                                                 | ND     |           | ug/kg | 0.60 | --  | 1               |
| Toluene                                                 | ND     |           | ug/kg | 1.2  | --  | 1               |
| Ethylbenzene                                            | ND     |           | ug/kg | 1.2  | --  | 1               |
| Chloromethane                                           | ND     |           | ug/kg | 4.8  | --  | 1               |
| Bromomethane                                            | ND     |           | ug/kg | 2.4  | --  | 1               |
| Vinyl chloride                                          | ND     |           | ug/kg | 1.2  | --  | 1               |
| Chloroethane                                            | ND     |           | ug/kg | 2.4  | --  | 1               |
| 1,1-Dichloroethene                                      | ND     |           | ug/kg | 1.2  | --  | 1               |
| trans-1,2-Dichloroethene                                | ND     |           | ug/kg | 1.8  | --  | 1               |

Project Name: TRURO DPW

Lab Number: L2441230

Project Number: TRU2501.P2

Report Date: 07/31/24

## SAMPLE RESULTS

Lab ID: L2441230-06

Date Collected: 07/19/24 11:45

Client ID: SB-9 (6-8)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter                                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |     |                 |
| Trichloroethene                                         | ND     |           | ug/kg | 0.60 | --  | 1               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 2.4  | --  | 1               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 2.4  | --  | 1               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 2.4  | --  | 1               |
| Methyl tert butyl ether                                 | ND     |           | ug/kg | 2.4  | --  | 1               |
| p/m-Xylene                                              | ND     |           | ug/kg | 2.4  | --  | 1               |
| o-Xylene                                                | ND     |           | ug/kg | 1.2  | --  | 1               |
| Xylenes, Total                                          | ND     |           | ug/kg | 1.2  | --  | 1               |
| cis-1,2-Dichloroethene                                  | ND     |           | ug/kg | 1.2  | --  | 1               |
| 1,2-Dichloroethene, Total                               | ND     |           | ug/kg | 1.2  | --  | 1               |
| Dibromomethane                                          | ND     |           | ug/kg | 2.4  | --  | 1               |
| 1,2,3-Trichloropropane                                  | ND     |           | ug/kg | 2.4  | --  | 1               |
| Styrene                                                 | ND     |           | ug/kg | 1.2  | --  | 1               |
| Dichlorodifluoromethane                                 | ND     |           | ug/kg | 12   | --  | 1               |
| Acetone                                                 | ND     |           | ug/kg | 30   | --  | 1               |
| Carbon disulfide                                        | ND     |           | ug/kg | 12   | --  | 1               |
| Methyl ethyl ketone                                     | ND     |           | ug/kg | 12   | --  | 1               |
| Methyl isobutyl ketone                                  | ND     |           | ug/kg | 12   | --  | 1               |
| 2-Hexanone                                              | ND     |           | ug/kg | 12   | --  | 1               |
| Bromochloromethane                                      | ND     |           | ug/kg | 2.4  | --  | 1               |
| Tetrahydrofuran                                         | ND     |           | ug/kg | 4.8  | --  | 1               |
| 2,2-Dichloropropane                                     | ND     |           | ug/kg | 2.4  | --  | 1               |
| 1,2-Dibromoethane                                       | ND     |           | ug/kg | 1.2  | --  | 1               |
| 1,3-Dichloropropane                                     | ND     |           | ug/kg | 2.4  | --  | 1               |
| 1,1,1,2-Tetrachloroethane                               | ND     |           | ug/kg | 0.60 | --  | 1               |
| Bromobenzene                                            | ND     |           | ug/kg | 2.4  | --  | 1               |
| n-Butylbenzene                                          | ND     |           | ug/kg | 1.2  | --  | 1               |
| sec-Butylbenzene                                        | ND     |           | ug/kg | 1.2  | --  | 1               |
| tert-Butylbenzene                                       | ND     |           | ug/kg | 2.4  | --  | 1               |
| o-Chlorotoluene                                         | ND     |           | ug/kg | 2.4  | --  | 1               |
| p-Chlorotoluene                                         | ND     |           | ug/kg | 2.4  | --  | 1               |
| 1,2-Dibromo-3-chloropropane                             | ND     |           | ug/kg | 3.6  | --  | 1               |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 4.8  | --  | 1               |
| Isopropylbenzene                                        | ND     |           | ug/kg | 1.2  | --  | 1               |
| p-Isopropyltoluene                                      | ND     |           | ug/kg | 1.2  | --  | 1               |
| Naphthalene                                             | ND     |           | ug/kg | 4.8  | --  | 1               |
| n-Propylbenzene                                         | ND     |           | ug/kg | 1.2  | --  | 1               |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

**SAMPLE RESULTS**

**Lab ID:** L2441230-06  
**Client ID:** SB-9 (6-8)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 11:45  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

Sample Depth:

| Parameter                                               | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |     |                 |
| 1,2,3-Trichlorobenzene                                  | ND     |           | ug/kg | 2.4 | --  | 1               |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 2.4 | --  | 1               |
| 1,3,5-Trimethylbenzene                                  | ND     |           | ug/kg | 2.4 | --  | 1               |
| 1,2,4-Trimethylbenzene                                  | ND     |           | ug/kg | 2.4 | --  | 1               |
| Diethyl ether                                           | ND     |           | ug/kg | 2.4 | --  | 1               |
| Diisopropyl Ether                                       | ND     |           | ug/kg | 2.4 | --  | 1               |
| Ethyl-Tert-Butyl-Ether                                  | ND     |           | ug/kg | 2.4 | --  | 1               |
| Tertiary-Amyl Methyl Ether                              | ND     |           | ug/kg | 2.4 | --  | 1               |
| 1,4-Dioxane                                             | ND     |           | ug/kg | 97  | --  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 122        |           | 70-130              |
| Toluene-d8            | 102        |           | 70-130              |
| 4-Bromofluorobenzene  | 108        |           | 70-130              |
| Dibromofluoromethane  | 106        |           | 70-130              |



Project Name: TRURO DPW

Lab Number: L2441230

Project Number: TRU2501.P2

Report Date: 07/31/24

## SAMPLE RESULTS

Lab ID: L2441230-07

Date Collected: 07/19/24 12:15

Client ID: SB-10 (4-6)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 141,8260D

Analytical Date: 07/25/24 13:31

Analyst: AJK

Percent Solids: 99%

| Parameter                                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |     |                 |
| Methylene chloride                                      | ND     |           | ug/kg | 5.8  | --  | 1               |
| 1,1-Dichloroethane                                      | ND     |           | ug/kg | 1.2  | --  | 1               |
| Chloroform                                              | ND     |           | ug/kg | 1.8  | --  | 1               |
| Carbon tetrachloride                                    | ND     |           | ug/kg | 1.2  | --  | 1               |
| 1,2-Dichloropropane                                     | ND     |           | ug/kg | 1.2  | --  | 1               |
| Dibromochloromethane                                    | ND     |           | ug/kg | 1.2  | --  | 1               |
| 1,1,2-Trichloroethane                                   | ND     |           | ug/kg | 1.2  | --  | 1               |
| Tetrachloroethene                                       | ND     |           | ug/kg | 0.58 | --  | 1               |
| Chlorobenzene                                           | ND     |           | ug/kg | 0.58 | --  | 1               |
| Trichlorofluoromethane                                  | ND     |           | ug/kg | 4.7  | --  | 1               |
| 1,2-Dichloroethane                                      | ND     |           | ug/kg | 1.2  | --  | 1               |
| 1,1,1-Trichloroethane                                   | ND     |           | ug/kg | 0.58 | --  | 1               |
| Bromodichloromethane                                    | ND     |           | ug/kg | 0.58 | --  | 1               |
| trans-1,3-Dichloropropene                               | ND     |           | ug/kg | 1.2  | --  | 1               |
| cis-1,3-Dichloropropene                                 | ND     |           | ug/kg | 0.58 | --  | 1               |
| 1,3-Dichloropropene, Total                              | ND     |           | ug/kg | 0.58 | --  | 1               |
| 1,1-Dichloropropene                                     | ND     |           | ug/kg | 0.58 | --  | 1               |
| Bromoform                                               | ND     |           | ug/kg | 4.7  | --  | 1               |
| 1,1,2,2-Tetrachloroethane                               | ND     |           | ug/kg | 0.58 | --  | 1               |
| Benzene                                                 | ND     |           | ug/kg | 0.58 | --  | 1               |
| Toluene                                                 | ND     |           | ug/kg | 1.2  | --  | 1               |
| Ethylbenzene                                            | ND     |           | ug/kg | 1.2  | --  | 1               |
| Chloromethane                                           | ND     |           | ug/kg | 4.7  | --  | 1               |
| Bromomethane                                            | ND     |           | ug/kg | 2.3  | --  | 1               |
| Vinyl chloride                                          | ND     |           | ug/kg | 1.2  | --  | 1               |
| Chloroethane                                            | ND     |           | ug/kg | 2.3  | --  | 1               |
| 1,1-Dichloroethene                                      | ND     |           | ug/kg | 1.2  | --  | 1               |
| trans-1,2-Dichloroethene                                | ND     |           | ug/kg | 1.8  | --  | 1               |

Project Name: TRURO DPW

Lab Number: L2441230

Project Number: TRU2501.P2

Report Date: 07/31/24

## SAMPLE RESULTS

Lab ID: L2441230-07

Date Collected: 07/19/24 12:15

Client ID: SB-10 (4-6)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter                                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |     |                 |
| Trichloroethene                                         | ND     |           | ug/kg | 0.58 | --  | 1               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 2.3  | --  | 1               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 2.3  | --  | 1               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 2.3  | --  | 1               |
| Methyl tert butyl ether                                 | ND     |           | ug/kg | 2.3  | --  | 1               |
| p/m-Xylene                                              | ND     |           | ug/kg | 2.3  | --  | 1               |
| o-Xylene                                                | ND     |           | ug/kg | 1.2  | --  | 1               |
| Xylenes, Total                                          | ND     |           | ug/kg | 1.2  | --  | 1               |
| cis-1,2-Dichloroethene                                  | ND     |           | ug/kg | 1.2  | --  | 1               |
| 1,2-Dichloroethene, Total                               | ND     |           | ug/kg | 1.2  | --  | 1               |
| Dibromomethane                                          | ND     |           | ug/kg | 2.3  | --  | 1               |
| 1,2,3-Trichloropropane                                  | ND     |           | ug/kg | 2.3  | --  | 1               |
| Styrene                                                 | ND     |           | ug/kg | 1.2  | --  | 1               |
| Dichlorodifluoromethane                                 | ND     |           | ug/kg | 12   | --  | 1               |
| Acetone                                                 | ND     |           | ug/kg | 29   | --  | 1               |
| Carbon disulfide                                        | ND     |           | ug/kg | 12   | --  | 1               |
| Methyl ethyl ketone                                     | ND     |           | ug/kg | 12   | --  | 1               |
| Methyl isobutyl ketone                                  | ND     |           | ug/kg | 12   | --  | 1               |
| 2-Hexanone                                              | ND     |           | ug/kg | 12   | --  | 1               |
| Bromochloromethane                                      | ND     |           | ug/kg | 2.3  | --  | 1               |
| Tetrahydrofuran                                         | ND     |           | ug/kg | 4.7  | --  | 1               |
| 2,2-Dichloropropane                                     | ND     |           | ug/kg | 2.3  | --  | 1               |
| 1,2-Dibromoethane                                       | ND     |           | ug/kg | 1.2  | --  | 1               |
| 1,3-Dichloropropane                                     | ND     |           | ug/kg | 2.3  | --  | 1               |
| 1,1,1,2-Tetrachloroethane                               | ND     |           | ug/kg | 0.58 | --  | 1               |
| Bromobenzene                                            | ND     |           | ug/kg | 2.3  | --  | 1               |
| n-Butylbenzene                                          | ND     |           | ug/kg | 1.2  | --  | 1               |
| sec-Butylbenzene                                        | ND     |           | ug/kg | 1.2  | --  | 1               |
| tert-Butylbenzene                                       | ND     |           | ug/kg | 2.3  | --  | 1               |
| o-Chlorotoluene                                         | ND     |           | ug/kg | 2.3  | --  | 1               |
| p-Chlorotoluene                                         | ND     |           | ug/kg | 2.3  | --  | 1               |
| 1,2-Dibromo-3-chloropropane                             | ND     |           | ug/kg | 3.5  | --  | 1               |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 4.7  | --  | 1               |
| Isopropylbenzene                                        | ND     |           | ug/kg | 1.2  | --  | 1               |
| p-Isopropyltoluene                                      | ND     |           | ug/kg | 1.2  | --  | 1               |
| Naphthalene                                             | ND     |           | ug/kg | 4.7  | --  | 1               |
| n-Propylbenzene                                         | ND     |           | ug/kg | 1.2  | --  | 1               |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

**SAMPLE RESULTS**

**Lab ID:** L2441230-07  
**Client ID:** SB-10 (4-6)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 12:15  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

Sample Depth:

| Parameter                                               | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |     |                 |
| 1,2,3-Trichlorobenzene                                  | ND     |           | ug/kg | 2.3 | --  | 1               |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 2.3 | --  | 1               |
| 1,3,5-Trimethylbenzene                                  | ND     |           | ug/kg | 2.3 | --  | 1               |
| 1,2,4-Trimethylbenzene                                  | ND     |           | ug/kg | 2.3 | --  | 1               |
| Diethyl ether                                           | ND     |           | ug/kg | 2.3 | --  | 1               |
| Diisopropyl Ether                                       | ND     |           | ug/kg | 2.3 | --  | 1               |
| Ethyl-Tert-Butyl-Ether                                  | ND     |           | ug/kg | 2.3 | --  | 1               |
| Tertiary-Amyl Methyl Ether                              | ND     |           | ug/kg | 2.3 | --  | 1               |
| 1,4-Dioxane                                             | ND     |           | ug/kg | 94  | --  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 126        |           | 70-130              |
| Toluene-d8            | 103        |           | 70-130              |
| 4-Bromofluorobenzene  | 114        |           | 70-130              |
| Dibromofluoromethane  | 108        |           | 70-130              |

**Project Name:** TRURO DPW**Lab Number:** L2441230**Project Number:** TRU2501.P2**Report Date:** 07/31/24**SAMPLE RESULTS**

Lab ID: L2441230-08

Date Collected: 07/19/24 11:20

Client ID: SB-11 (10-12)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 141,8260D

Analytical Date: 07/25/24 13:58

Analyst: AJK

Percent Solids: 97%

| Parameter                                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |     |                 |
| Methylene chloride                                      | ND     |           | ug/kg | 3.2  | --  | 1               |
| 1,1-Dichloroethane                                      | ND     |           | ug/kg | 0.65 | --  | 1               |
| Chloroform                                              | ND     |           | ug/kg | 0.98 | --  | 1               |
| Carbon tetrachloride                                    | ND     |           | ug/kg | 0.65 | --  | 1               |
| 1,2-Dichloropropane                                     | ND     |           | ug/kg | 0.65 | --  | 1               |
| Dibromochloromethane                                    | ND     |           | ug/kg | 0.65 | --  | 1               |
| 1,1,2-Trichloroethane                                   | ND     |           | ug/kg | 0.65 | --  | 1               |
| Tetrachloroethene                                       | ND     |           | ug/kg | 0.32 | --  | 1               |
| Chlorobenzene                                           | ND     |           | ug/kg | 0.32 | --  | 1               |
| Trichlorofluoromethane                                  | ND     |           | ug/kg | 2.6  | --  | 1               |
| 1,2-Dichloroethane                                      | ND     |           | ug/kg | 0.65 | --  | 1               |
| 1,1,1-Trichloroethane                                   | ND     |           | ug/kg | 0.32 | --  | 1               |
| Bromodichloromethane                                    | ND     |           | ug/kg | 0.32 | --  | 1               |
| trans-1,3-Dichloropropene                               | ND     |           | ug/kg | 0.65 | --  | 1               |
| cis-1,3-Dichloropropene                                 | ND     |           | ug/kg | 0.32 | --  | 1               |
| 1,3-Dichloropropene, Total                              | ND     |           | ug/kg | 0.32 | --  | 1               |
| 1,1-Dichloropropene                                     | ND     |           | ug/kg | 0.32 | --  | 1               |
| Bromoform                                               | ND     |           | ug/kg | 2.6  | --  | 1               |
| 1,1,2,2-Tetrachloroethane                               | ND     |           | ug/kg | 0.32 | --  | 1               |
| Benzene                                                 | ND     |           | ug/kg | 0.32 | --  | 1               |
| Toluene                                                 | ND     |           | ug/kg | 0.65 | --  | 1               |
| Ethylbenzene                                            | ND     |           | ug/kg | 0.65 | --  | 1               |
| Chloromethane                                           | ND     |           | ug/kg | 2.6  | --  | 1               |
| Bromomethane                                            | ND     |           | ug/kg | 1.3  | --  | 1               |
| Vinyl chloride                                          | ND     |           | ug/kg | 0.65 | --  | 1               |
| Chloroethane                                            | ND     |           | ug/kg | 1.3  | --  | 1               |
| 1,1-Dichloroethene                                      | ND     |           | ug/kg | 0.65 | --  | 1               |
| trans-1,2-Dichloroethene                                | ND     |           | ug/kg | 0.98 | --  | 1               |

Project Name: TRURO DPW

Lab Number: L2441230

Project Number: TRU2501.P2

Report Date: 07/31/24

## SAMPLE RESULTS

Lab ID: L2441230-08

Date Collected: 07/19/24 11:20

Client ID: SB-11 (10-12)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter                                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |     |                 |
| Trichloroethene                                         | ND     |           | ug/kg | 0.32 | --  | 1               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 1.3  | --  | 1               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 1.3  | --  | 1               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 1.3  | --  | 1               |
| Methyl tert butyl ether                                 | ND     |           | ug/kg | 1.3  | --  | 1               |
| p/m-Xylene                                              | ND     |           | ug/kg | 1.3  | --  | 1               |
| o-Xylene                                                | ND     |           | ug/kg | 0.65 | --  | 1               |
| Xylenes, Total                                          | ND     |           | ug/kg | 0.65 | --  | 1               |
| cis-1,2-Dichloroethene                                  | ND     |           | ug/kg | 0.65 | --  | 1               |
| 1,2-Dichloroethene, Total                               | ND     |           | ug/kg | 0.65 | --  | 1               |
| Dibromomethane                                          | ND     |           | ug/kg | 1.3  | --  | 1               |
| 1,2,3-Trichloropropane                                  | ND     |           | ug/kg | 1.3  | --  | 1               |
| Styrene                                                 | ND     |           | ug/kg | 0.65 | --  | 1               |
| Dichlorodifluoromethane                                 | ND     |           | ug/kg | 6.5  | --  | 1               |
| Acetone                                                 | ND     |           | ug/kg | 16   | --  | 1               |
| Carbon disulfide                                        | ND     |           | ug/kg | 6.5  | --  | 1               |
| Methyl ethyl ketone                                     | ND     |           | ug/kg | 6.5  | --  | 1               |
| Methyl isobutyl ketone                                  | ND     |           | ug/kg | 6.5  | --  | 1               |
| 2-Hexanone                                              | ND     |           | ug/kg | 6.5  | --  | 1               |
| Bromochloromethane                                      | ND     |           | ug/kg | 1.3  | --  | 1               |
| Tetrahydrofuran                                         | ND     |           | ug/kg | 2.6  | --  | 1               |
| 2,2-Dichloropropane                                     | ND     |           | ug/kg | 1.3  | --  | 1               |
| 1,2-Dibromoethane                                       | ND     |           | ug/kg | 0.65 | --  | 1               |
| 1,3-Dichloropropane                                     | ND     |           | ug/kg | 1.3  | --  | 1               |
| 1,1,1,2-Tetrachloroethane                               | ND     |           | ug/kg | 0.32 | --  | 1               |
| Bromobenzene                                            | ND     |           | ug/kg | 1.3  | --  | 1               |
| n-Butylbenzene                                          | ND     |           | ug/kg | 0.65 | --  | 1               |
| sec-Butylbenzene                                        | ND     |           | ug/kg | 0.65 | --  | 1               |
| tert-Butylbenzene                                       | ND     |           | ug/kg | 1.3  | --  | 1               |
| o-Chlorotoluene                                         | ND     |           | ug/kg | 1.3  | --  | 1               |
| p-Chlorotoluene                                         | ND     |           | ug/kg | 1.3  | --  | 1               |
| 1,2-Dibromo-3-chloropropane                             | ND     |           | ug/kg | 2.0  | --  | 1               |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 2.6  | --  | 1               |
| Isopropylbenzene                                        | ND     |           | ug/kg | 0.65 | --  | 1               |
| p-Isopropyltoluene                                      | ND     |           | ug/kg | 0.65 | --  | 1               |
| Naphthalene                                             | ND     |           | ug/kg | 2.6  | --  | 1               |
| n-Propylbenzene                                         | ND     |           | ug/kg | 0.65 | --  | 1               |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

**SAMPLE RESULTS**

**Lab ID:** L2441230-08  
**Client ID:** SB-11 (10-12)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 11:20  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

Sample Depth:

| Parameter                                               | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |     |                 |
| 1,2,3-Trichlorobenzene                                  | ND     |           | ug/kg | 1.3 | --  | 1               |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 1.3 | --  | 1               |
| 1,3,5-Trimethylbenzene                                  | ND     |           | ug/kg | 1.3 | --  | 1               |
| 1,2,4-Trimethylbenzene                                  | ND     |           | ug/kg | 1.3 | --  | 1               |
| Diethyl ether                                           | ND     |           | ug/kg | 1.3 | --  | 1               |
| Diisopropyl Ether                                       | ND     |           | ug/kg | 1.3 | --  | 1               |
| Ethyl-Tert-Butyl-Ether                                  | ND     |           | ug/kg | 1.3 | --  | 1               |
| Tertiary-Amyl Methyl Ether                              | ND     |           | ug/kg | 1.3 | --  | 1               |
| 1,4-Dioxane                                             | ND     |           | ug/kg | 52  | --  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 122        |           | 70-130              |
| Toluene-d8            | 100        |           | 70-130              |
| 4-Bromofluorobenzene  | 106        |           | 70-130              |
| Dibromofluoromethane  | 104        |           | 70-130              |

**Project Name:** TRURO DPW**Lab Number:** L2441230**Project Number:** TRU2501.P2**Report Date:** 07/31/24**SAMPLE RESULTS**

Lab ID: L2441230-09

Date Collected: 07/19/24 13:00

Client ID: SB-12 (16-18)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 141,8260D

Analytical Date: 07/25/24 14:25

Analyst: AJK

Percent Solids: 97%

| Parameter                                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |     |                 |
| Methylene chloride                                      | ND     |           | ug/kg | 6.0  | --  | 1               |
| 1,1-Dichloroethane                                      | ND     |           | ug/kg | 1.2  | --  | 1               |
| Chloroform                                              | ND     |           | ug/kg | 1.8  | --  | 1               |
| Carbon tetrachloride                                    | ND     |           | ug/kg | 1.2  | --  | 1               |
| 1,2-Dichloropropane                                     | ND     |           | ug/kg | 1.2  | --  | 1               |
| Dibromochloromethane                                    | ND     |           | ug/kg | 1.2  | --  | 1               |
| 1,1,2-Trichloroethane                                   | ND     |           | ug/kg | 1.2  | --  | 1               |
| Tetrachloroethene                                       | ND     |           | ug/kg | 0.60 | --  | 1               |
| Chlorobenzene                                           | ND     |           | ug/kg | 0.60 | --  | 1               |
| Trichlorofluoromethane                                  | ND     |           | ug/kg | 4.8  | --  | 1               |
| 1,2-Dichloroethane                                      | ND     |           | ug/kg | 1.2  | --  | 1               |
| 1,1,1-Trichloroethane                                   | ND     |           | ug/kg | 0.60 | --  | 1               |
| Bromodichloromethane                                    | ND     |           | ug/kg | 0.60 | --  | 1               |
| trans-1,3-Dichloropropene                               | ND     |           | ug/kg | 1.2  | --  | 1               |
| cis-1,3-Dichloropropene                                 | ND     |           | ug/kg | 0.60 | --  | 1               |
| 1,3-Dichloropropene, Total                              | ND     |           | ug/kg | 0.60 | --  | 1               |
| 1,1-Dichloropropene                                     | ND     |           | ug/kg | 0.60 | --  | 1               |
| Bromoform                                               | ND     |           | ug/kg | 4.8  | --  | 1               |
| 1,1,2,2-Tetrachloroethane                               | ND     |           | ug/kg | 0.60 | --  | 1               |
| Benzene                                                 | ND     |           | ug/kg | 0.60 | --  | 1               |
| Toluene                                                 | ND     |           | ug/kg | 1.2  | --  | 1               |
| Ethylbenzene                                            | ND     |           | ug/kg | 1.2  | --  | 1               |
| Chloromethane                                           | ND     |           | ug/kg | 4.8  | --  | 1               |
| Bromomethane                                            | ND     |           | ug/kg | 2.4  | --  | 1               |
| Vinyl chloride                                          | ND     |           | ug/kg | 1.2  | --  | 1               |
| Chloroethane                                            | ND     |           | ug/kg | 2.4  | --  | 1               |
| 1,1-Dichloroethene                                      | ND     |           | ug/kg | 1.2  | --  | 1               |
| trans-1,2-Dichloroethene                                | ND     |           | ug/kg | 1.8  | --  | 1               |

Project Name: TRURO DPW

Lab Number: L2441230

Project Number: TRU2501.P2

Report Date: 07/31/24

## SAMPLE RESULTS

Lab ID: L2441230-09

Date Collected: 07/19/24 13:00

Client ID: SB-12 (16-18)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter                                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |     |                 |
| Trichloroethene                                         | ND     |           | ug/kg | 0.60 | --  | 1               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 2.4  | --  | 1               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 2.4  | --  | 1               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 2.4  | --  | 1               |
| Methyl tert butyl ether                                 | ND     |           | ug/kg | 2.4  | --  | 1               |
| p/m-Xylene                                              | ND     |           | ug/kg | 2.4  | --  | 1               |
| o-Xylene                                                | ND     |           | ug/kg | 1.2  | --  | 1               |
| Xylenes, Total                                          | ND     |           | ug/kg | 1.2  | --  | 1               |
| cis-1,2-Dichloroethene                                  | ND     |           | ug/kg | 1.2  | --  | 1               |
| 1,2-Dichloroethene, Total                               | ND     |           | ug/kg | 1.2  | --  | 1               |
| Dibromomethane                                          | ND     |           | ug/kg | 2.4  | --  | 1               |
| 1,2,3-Trichloropropane                                  | ND     |           | ug/kg | 2.4  | --  | 1               |
| Styrene                                                 | ND     |           | ug/kg | 1.2  | --  | 1               |
| Dichlorodifluoromethane                                 | ND     |           | ug/kg | 12   | --  | 1               |
| Acetone                                                 | ND     |           | ug/kg | 30   | --  | 1               |
| Carbon disulfide                                        | ND     |           | ug/kg | 12   | --  | 1               |
| Methyl ethyl ketone                                     | ND     |           | ug/kg | 12   | --  | 1               |
| Methyl isobutyl ketone                                  | ND     |           | ug/kg | 12   | --  | 1               |
| 2-Hexanone                                              | ND     |           | ug/kg | 12   | --  | 1               |
| Bromochloromethane                                      | ND     |           | ug/kg | 2.4  | --  | 1               |
| Tetrahydrofuran                                         | ND     |           | ug/kg | 4.8  | --  | 1               |
| 2,2-Dichloropropane                                     | ND     |           | ug/kg | 2.4  | --  | 1               |
| 1,2-Dibromoethane                                       | ND     |           | ug/kg | 1.2  | --  | 1               |
| 1,3-Dichloropropane                                     | ND     |           | ug/kg | 2.4  | --  | 1               |
| 1,1,1,2-Tetrachloroethane                               | ND     |           | ug/kg | 0.60 | --  | 1               |
| Bromobenzene                                            | ND     |           | ug/kg | 2.4  | --  | 1               |
| n-Butylbenzene                                          | ND     |           | ug/kg | 1.2  | --  | 1               |
| sec-Butylbenzene                                        | ND     |           | ug/kg | 1.2  | --  | 1               |
| tert-Butylbenzene                                       | ND     |           | ug/kg | 2.4  | --  | 1               |
| o-Chlorotoluene                                         | ND     |           | ug/kg | 2.4  | --  | 1               |
| p-Chlorotoluene                                         | ND     |           | ug/kg | 2.4  | --  | 1               |
| 1,2-Dibromo-3-chloropropane                             | ND     |           | ug/kg | 3.6  | --  | 1               |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 4.8  | --  | 1               |
| Isopropylbenzene                                        | ND     |           | ug/kg | 1.2  | --  | 1               |
| p-Isopropyltoluene                                      | ND     |           | ug/kg | 1.2  | --  | 1               |
| Naphthalene                                             | ND     |           | ug/kg | 4.8  | --  | 1               |
| n-Propylbenzene                                         | ND     |           | ug/kg | 1.2  | --  | 1               |



**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

**SAMPLE RESULTS**

**Lab ID:** L2441230-09  
**Client ID:** SB-12 (16-18)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 13:00  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

Sample Depth:

| Parameter                                               | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |     |                 |
| 1,2,3-Trichlorobenzene                                  | ND     |           | ug/kg | 2.4 | --  | 1               |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 2.4 | --  | 1               |
| 1,3,5-Trimethylbenzene                                  | ND     |           | ug/kg | 2.4 | --  | 1               |
| 1,2,4-Trimethylbenzene                                  | ND     |           | ug/kg | 2.4 | --  | 1               |
| Diethyl ether                                           | ND     |           | ug/kg | 2.4 | --  | 1               |
| Diisopropyl Ether                                       | ND     |           | ug/kg | 2.4 | --  | 1               |
| Ethyl-Tert-Butyl-Ether                                  | ND     |           | ug/kg | 2.4 | --  | 1               |
| Tertiary-Amyl Methyl Ether                              | ND     |           | ug/kg | 2.4 | --  | 1               |
| 1,4-Dioxane                                             | ND     |           | ug/kg | 96  | --  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 124        |           | 70-130              |
| Toluene-d8            | 105        |           | 70-130              |
| 4-Bromofluorobenzene  | 96         |           | 70-130              |
| Dibromofluoromethane  | 105        |           | 70-130              |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

**SAMPLE RESULTS**

**Lab ID:** L2441230-10  
**Client ID:** SB-14 (4-6)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 09:50  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil  
**Analytical Method:** 141,8260D  
**Analytical Date:** 07/25/24 14:52  
**Analyst:** RAW  
**Percent Solids:** 97%

| Parameter                                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |     |                 |
| Methylene chloride                                      | ND     |           | ug/kg | 6.1  | --  | 1               |
| 1,1-Dichloroethane                                      | ND     |           | ug/kg | 1.2  | --  | 1               |
| Chloroform                                              | ND     |           | ug/kg | 1.8  | --  | 1               |
| Carbon tetrachloride                                    | ND     |           | ug/kg | 1.2  | --  | 1               |
| 1,2-Dichloropropane                                     | ND     |           | ug/kg | 1.2  | --  | 1               |
| Dibromochloromethane                                    | ND     |           | ug/kg | 1.2  | --  | 1               |
| 1,1,2-Trichloroethane                                   | ND     |           | ug/kg | 1.2  | --  | 1               |
| Tetrachloroethene                                       | ND     |           | ug/kg | 0.61 | --  | 1               |
| Chlorobenzene                                           | ND     |           | ug/kg | 0.61 | --  | 1               |
| Trichlorofluoromethane                                  | ND     |           | ug/kg | 4.9  | --  | 1               |
| 1,2-Dichloroethane                                      | ND     |           | ug/kg | 1.2  | --  | 1               |
| 1,1,1-Trichloroethane                                   | ND     |           | ug/kg | 0.61 | --  | 1               |
| Bromodichloromethane                                    | ND     |           | ug/kg | 0.61 | --  | 1               |
| trans-1,3-Dichloropropene                               | ND     |           | ug/kg | 1.2  | --  | 1               |
| cis-1,3-Dichloropropene                                 | ND     |           | ug/kg | 0.61 | --  | 1               |
| 1,3-Dichloropropene, Total                              | ND     |           | ug/kg | 0.61 | --  | 1               |
| 1,1-Dichloropropene                                     | ND     |           | ug/kg | 0.61 | --  | 1               |
| Bromoform                                               | ND     |           | ug/kg | 4.9  | --  | 1               |
| 1,1,2,2-Tetrachloroethane                               | ND     |           | ug/kg | 0.61 | --  | 1               |
| Benzene                                                 | ND     |           | ug/kg | 0.61 | --  | 1               |
| Toluene                                                 | ND     |           | ug/kg | 1.2  | --  | 1               |
| Ethylbenzene                                            | ND     |           | ug/kg | 1.2  | --  | 1               |
| Chloromethane                                           | ND     |           | ug/kg | 4.9  | --  | 1               |
| Bromomethane                                            | ND     |           | ug/kg | 2.4  | --  | 1               |
| Vinyl chloride                                          | ND     |           | ug/kg | 1.2  | --  | 1               |
| Chloroethane                                            | ND     |           | ug/kg | 2.4  | --  | 1               |
| 1,1-Dichloroethene                                      | ND     |           | ug/kg | 1.2  | --  | 1               |
| trans-1,2-Dichloroethene                                | ND     |           | ug/kg | 1.8  | --  | 1               |

Project Name: TRURO DPW

Lab Number: L2441230

Project Number: TRU2501.P2

Report Date: 07/31/24

## SAMPLE RESULTS

Lab ID: L2441230-10

Date Collected: 07/19/24 09:50

Client ID: SB-14 (4-6)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter                                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |     |                 |
| Trichloroethene                                         | ND     |           | ug/kg | 0.61 | --  | 1               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 2.4  | --  | 1               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 2.4  | --  | 1               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 2.4  | --  | 1               |
| Methyl tert butyl ether                                 | ND     |           | ug/kg | 2.4  | --  | 1               |
| p/m-Xylene                                              | ND     |           | ug/kg | 2.4  | --  | 1               |
| o-Xylene                                                | ND     |           | ug/kg | 1.2  | --  | 1               |
| Xylenes, Total                                          | ND     |           | ug/kg | 1.2  | --  | 1               |
| cis-1,2-Dichloroethene                                  | ND     |           | ug/kg | 1.2  | --  | 1               |
| 1,2-Dichloroethene, Total                               | ND     |           | ug/kg | 1.2  | --  | 1               |
| Dibromomethane                                          | ND     |           | ug/kg | 2.4  | --  | 1               |
| 1,2,3-Trichloropropane                                  | ND     |           | ug/kg | 2.4  | --  | 1               |
| Styrene                                                 | ND     |           | ug/kg | 1.2  | --  | 1               |
| Dichlorodifluoromethane                                 | ND     |           | ug/kg | 12   | --  | 1               |
| Acetone                                                 | ND     |           | ug/kg | 31   | --  | 1               |
| Carbon disulfide                                        | ND     |           | ug/kg | 12   | --  | 1               |
| Methyl ethyl ketone                                     | ND     |           | ug/kg | 12   | --  | 1               |
| Methyl isobutyl ketone                                  | ND     |           | ug/kg | 12   | --  | 1               |
| 2-Hexanone                                              | ND     |           | ug/kg | 12   | --  | 1               |
| Bromochloromethane                                      | ND     |           | ug/kg | 2.4  | --  | 1               |
| Tetrahydrofuran                                         | ND     |           | ug/kg | 4.9  | --  | 1               |
| 2,2-Dichloropropane                                     | ND     |           | ug/kg | 2.4  | --  | 1               |
| 1,2-Dibromoethane                                       | ND     |           | ug/kg | 1.2  | --  | 1               |
| 1,3-Dichloropropane                                     | ND     |           | ug/kg | 2.4  | --  | 1               |
| 1,1,1,2-Tetrachloroethane                               | ND     |           | ug/kg | 0.61 | --  | 1               |
| Bromobenzene                                            | ND     |           | ug/kg | 2.4  | --  | 1               |
| n-Butylbenzene                                          | ND     |           | ug/kg | 1.2  | --  | 1               |
| sec-Butylbenzene                                        | ND     |           | ug/kg | 1.2  | --  | 1               |
| tert-Butylbenzene                                       | ND     |           | ug/kg | 2.4  | --  | 1               |
| o-Chlorotoluene                                         | ND     |           | ug/kg | 2.4  | --  | 1               |
| p-Chlorotoluene                                         | ND     |           | ug/kg | 2.4  | --  | 1               |
| 1,2-Dibromo-3-chloropropane                             | ND     |           | ug/kg | 3.7  | --  | 1               |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 4.9  | --  | 1               |
| Isopropylbenzene                                        | ND     |           | ug/kg | 1.2  | --  | 1               |
| p-Isopropyltoluene                                      | ND     |           | ug/kg | 1.2  | --  | 1               |
| Naphthalene                                             | ND     |           | ug/kg | 4.9  | --  | 1               |
| n-Propylbenzene                                         | ND     |           | ug/kg | 1.2  | --  | 1               |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

**SAMPLE RESULTS**

**Lab ID:** L2441230-10  
**Client ID:** SB-14 (4-6)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 09:50  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

Sample Depth:

| Parameter                                               | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |     |                 |
| 1,2,3-Trichlorobenzene                                  | ND     |           | ug/kg | 2.4 | --  | 1               |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 2.4 | --  | 1               |
| 1,3,5-Trimethylbenzene                                  | ND     |           | ug/kg | 2.4 | --  | 1               |
| 1,2,4-Trimethylbenzene                                  | ND     |           | ug/kg | 2.4 | --  | 1               |
| Diethyl ether                                           | ND     |           | ug/kg | 2.4 | --  | 1               |
| Diisopropyl Ether                                       | ND     |           | ug/kg | 2.4 | --  | 1               |
| Ethyl-Tert-Butyl-Ether                                  | ND     |           | ug/kg | 2.4 | --  | 1               |
| Tertiary-Amyl Methyl Ether                              | ND     |           | ug/kg | 2.4 | --  | 1               |
| 1,4-Dioxane                                             | ND     |           | ug/kg | 98  | --  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 126        |           | 70-130              |
| Toluene-d8            | 97         |           | 70-130              |
| 4-Bromofluorobenzene  | 100        |           | 70-130              |
| Dibromofluoromethane  | 107        |           | 70-130              |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 141,8260D  
 Analytical Date: 07/25/24 08:59  
 Analyst: AJK

| Parameter                                                                                       | Result | Qualifier | Units | RL   | MDL |
|-------------------------------------------------------------------------------------------------|--------|-----------|-------|------|-----|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-10 Batch: WG1951918-5 |        |           |       |      |     |
| Methylene chloride                                                                              | ND     |           | ug/kg | 5.0  | --  |
| 1,1-Dichloroethane                                                                              | ND     |           | ug/kg | 1.0  | --  |
| Chloroform                                                                                      | ND     |           | ug/kg | 1.5  | --  |
| Carbon tetrachloride                                                                            | ND     |           | ug/kg | 1.0  | --  |
| 1,2-Dichloropropane                                                                             | ND     |           | ug/kg | 1.0  | --  |
| Dibromochloromethane                                                                            | ND     |           | ug/kg | 1.0  | --  |
| 1,1,2-Trichloroethane                                                                           | ND     |           | ug/kg | 1.0  | --  |
| Tetrachloroethene                                                                               | ND     |           | ug/kg | 0.50 | --  |
| Chlorobenzene                                                                                   | ND     |           | ug/kg | 0.50 | --  |
| Trichlorofluoromethane                                                                          | ND     |           | ug/kg | 4.0  | --  |
| 1,2-Dichloroethane                                                                              | ND     |           | ug/kg | 1.0  | --  |
| 1,1,1-Trichloroethane                                                                           | ND     |           | ug/kg | 0.50 | --  |
| Bromodichloromethane                                                                            | ND     |           | ug/kg | 0.50 | --  |
| trans-1,3-Dichloropropene                                                                       | ND     |           | ug/kg | 1.0  | --  |
| cis-1,3-Dichloropropene                                                                         | ND     |           | ug/kg | 0.50 | --  |
| 1,3-Dichloropropene, Total                                                                      | ND     |           | ug/kg | 0.50 | --  |
| 1,1-Dichloropropene                                                                             | ND     |           | ug/kg | 0.50 | --  |
| Bromoform                                                                                       | ND     |           | ug/kg | 4.0  | --  |
| 1,1,1,2-Tetrachloroethane                                                                       | ND     |           | ug/kg | 0.50 | --  |
| Benzene                                                                                         | ND     |           | ug/kg | 0.50 | --  |
| Toluene                                                                                         | ND     |           | ug/kg | 1.0  | --  |
| Ethylbenzene                                                                                    | ND     |           | ug/kg | 1.0  | --  |
| Chloromethane                                                                                   | ND     |           | ug/kg | 4.0  | --  |
| Bromomethane                                                                                    | 3.2    |           | ug/kg | 2.0  | --  |
| Vinyl chloride                                                                                  | ND     |           | ug/kg | 1.0  | --  |
| Chloroethane                                                                                    | ND     |           | ug/kg | 2.0  | --  |
| 1,1-Dichloroethene                                                                              | ND     |           | ug/kg | 1.0  | --  |
| trans-1,2-Dichloroethene                                                                        | ND     |           | ug/kg | 1.5  | --  |
| Trichloroethene                                                                                 | ND     |           | ug/kg | 0.50 | --  |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 141,8260D  
 Analytical Date: 07/25/24 08:59  
 Analyst: AJK

| Parameter                                                                                       | Result | Qualifier | Units | RL   | MDL |
|-------------------------------------------------------------------------------------------------|--------|-----------|-------|------|-----|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-10 Batch: WG1951918-5 |        |           |       |      |     |
| 1,2-Dichlorobenzene                                                                             | ND     |           | ug/kg | 2.0  | --  |
| 1,3-Dichlorobenzene                                                                             | ND     |           | ug/kg | 2.0  | --  |
| 1,4-Dichlorobenzene                                                                             | ND     |           | ug/kg | 2.0  | --  |
| Methyl tert butyl ether                                                                         | ND     |           | ug/kg | 2.0  | --  |
| p/m-Xylene                                                                                      | ND     |           | ug/kg | 2.0  | --  |
| o-Xylene                                                                                        | ND     |           | ug/kg | 1.0  | --  |
| Xylenes, Total                                                                                  | ND     |           | ug/kg | 1.0  | --  |
| cis-1,2-Dichloroethene                                                                          | ND     |           | ug/kg | 1.0  | --  |
| 1,2-Dichloroethene, Total                                                                       | ND     |           | ug/kg | 1.0  | --  |
| Dibromomethane                                                                                  | ND     |           | ug/kg | 2.0  | --  |
| 1,2,3-Trichloropropane                                                                          | ND     |           | ug/kg | 2.0  | --  |
| Styrene                                                                                         | ND     |           | ug/kg | 1.0  | --  |
| Dichlorodifluoromethane                                                                         | ND     |           | ug/kg | 10   | --  |
| Acetone                                                                                         | ND     |           | ug/kg | 25   | --  |
| Carbon disulfide                                                                                | ND     |           | ug/kg | 10   | --  |
| Methyl ethyl ketone                                                                             | ND     |           | ug/kg | 10   | --  |
| Methyl isobutyl ketone                                                                          | ND     |           | ug/kg | 10   | --  |
| 2-Hexanone                                                                                      | ND     |           | ug/kg | 10   | --  |
| Bromochloromethane                                                                              | ND     |           | ug/kg | 2.0  | --  |
| Tetrahydrofuran                                                                                 | ND     |           | ug/kg | 4.0  | --  |
| 2,2-Dichloropropane                                                                             | ND     |           | ug/kg | 2.0  | --  |
| 1,2-Dibromoethane                                                                               | ND     |           | ug/kg | 1.0  | --  |
| 1,3-Dichloropropane                                                                             | ND     |           | ug/kg | 2.0  | --  |
| 1,1,1,2-Tetrachloroethane                                                                       | ND     |           | ug/kg | 0.50 | --  |
| Bromobenzene                                                                                    | ND     |           | ug/kg | 2.0  | --  |
| n-Butylbenzene                                                                                  | ND     |           | ug/kg | 1.0  | --  |
| sec-Butylbenzene                                                                                | ND     |           | ug/kg | 1.0  | --  |
| tert-Butylbenzene                                                                               | ND     |           | ug/kg | 2.0  | --  |
| o-Chlorotoluene                                                                                 | ND     |           | ug/kg | 2.0  | --  |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 141,8260D  
 Analytical Date: 07/25/24 08:59  
 Analyst: AJK

| Parameter                                                                                       | Result | Qualifier | Units | RL  | MDL |
|-------------------------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-10 Batch: WG1951918-5 |        |           |       |     |     |
| p-Chlorotoluene                                                                                 | ND     |           | ug/kg | 2.0 | --  |
| 1,2-Dibromo-3-chloropropane                                                                     | ND     |           | ug/kg | 3.0 | --  |
| Hexachlorobutadiene                                                                             | ND     |           | ug/kg | 4.0 | --  |
| Isopropylbenzene                                                                                | ND     |           | ug/kg | 1.0 | --  |
| p-Isopropyltoluene                                                                              | ND     |           | ug/kg | 1.0 | --  |
| Naphthalene                                                                                     | ND     |           | ug/kg | 4.0 | --  |
| n-Propylbenzene                                                                                 | ND     |           | ug/kg | 1.0 | --  |
| 1,2,3-Trichlorobenzene                                                                          | ND     |           | ug/kg | 2.0 | --  |
| 1,2,4-Trichlorobenzene                                                                          | ND     |           | ug/kg | 2.0 | --  |
| 1,3,5-Trimethylbenzene                                                                          | ND     |           | ug/kg | 2.0 | --  |
| 1,2,4-Trimethylbenzene                                                                          | ND     |           | ug/kg | 2.0 | --  |
| Diethyl ether                                                                                   | ND     |           | ug/kg | 2.0 | --  |
| Diisopropyl Ether                                                                               | ND     |           | ug/kg | 2.0 | --  |
| Ethyl-Tert-Butyl-Ether                                                                          | ND     |           | ug/kg | 2.0 | --  |
| Tertiary-Amyl Methyl Ether                                                                      | ND     |           | ug/kg | 2.0 | --  |
| 1,4-Dioxane                                                                                     | ND     |           | ug/kg | 80  | --  |

| Surrogate             | %Recovery | Qualifier | Acceptance<br>Criteria |
|-----------------------|-----------|-----------|------------------------|
| 1,2-Dichloroethane-d4 | 111       |           | 70-130                 |
| Toluene-d8            | 95        |           | 70-130                 |
| 4-Bromofluorobenzene  | 97        |           | 70-130                 |
| Dibromofluoromethane  | 96        |           | 70-130                 |

# **Lab Control Sample Analysis** **Batch Quality Control**

Project Name: TRURO DPW

Project Number: TRU2501.P2

Lab Number: L2441230

Report Date: 07/31/24

| Parameter                                                                                                          | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-10 Batch: WG1951918-3 WG1951918-4 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride                                                                                                 | 120              |      | 94                |      | 70-130              | 24  | Q    | 20            |
| 1,1-Dichloroethane                                                                                                 | 114              |      | 105               |      | 70-130              | 8   |      | 20            |
| Chloroform                                                                                                         | 111              |      | 106               |      | 70-130              | 5   |      | 20            |
| Carbon tetrachloride                                                                                               | 107              |      | 109               |      | 70-130              | 2   |      | 20            |
| 1,2-Dichloropropane                                                                                                | 113              |      | 102               |      | 70-130              | 10  |      | 20            |
| Dibromochloromethane                                                                                               | 89               |      | 123               |      | 70-130              | 32  | Q    | 20            |
| 1,1,2-Trichloroethane                                                                                              | 99               |      | 120               |      | 70-130              | 19  |      | 20            |
| Tetrachloroethene                                                                                                  | 100              |      | 131               | Q    | 70-130              | 27  | Q    | 20            |
| Chlorobenzene                                                                                                      | 107              |      | 107               |      | 70-130              | 0   |      | 20            |
| Trichlorofluoromethane                                                                                             | 140              | Q    | 107               |      | 70-130              | 27  | Q    | 20            |
| 1,2-Dichloroethane                                                                                                 | 107              |      | 101               |      | 70-130              | 6   |      | 20            |
| 1,1,1-Trichloroethane                                                                                              | 112              |      | 113               |      | 70-130              | 1   |      | 20            |
| Bromodichloromethane                                                                                               | 109              |      | 104               |      | 70-130              | 5   |      | 20            |
| trans-1,3-Dichloropropene                                                                                          | 110              |      | 128               |      | 70-130              | 15  |      | 20            |
| cis-1,3-Dichloropropene                                                                                            | 125              |      | 106               |      | 70-130              | 16  |      | 20            |
| 1,1-Dichloropropene                                                                                                | 114              |      | 107               |      | 70-130              | 6   |      | 20            |
| Bromoform                                                                                                          | 102              |      | 95                |      | 70-130              | 7   |      | 20            |
| 1,1,2,2-Tetrachloroethane                                                                                          | 93               |      | 96                |      | 70-130              | 3   |      | 20            |
| Benzene                                                                                                            | 114              |      | 108               |      | 70-130              | 5   |      | 20            |
| Toluene                                                                                                            | 92               |      | 120               |      | 70-130              | 26  | Q    | 20            |
| Ethylbenzene                                                                                                       | 106              |      | 112               |      | 70-130              | 6   |      | 20            |
| Chloromethane                                                                                                      | 116              |      | 92                |      | 70-130              | 23  | Q    | 20            |
| Bromomethane                                                                                                       | 132              | Q    | 106               |      | 70-130              | 22  | Q    | 20            |



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU2501.P2

Lab Number: L2441230

Report Date: 07/31/24

| Parameter                                                                                                          | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-10 Batch: WG1951918-3 WG1951918-4 |                  |      |                   |      |                     |     |      |               |
| Vinyl chloride                                                                                                     | 125              |      | 98                |      | 70-130              | 24  | Q    | 20            |
| Chloroethane                                                                                                       | 146              | Q    | 106               |      | 70-130              | 32  | Q    | 20            |
| 1,1-Dichloroethene                                                                                                 | 135              | Q    | 100               |      | 70-130              | 30  | Q    | 20            |
| trans-1,2-Dichloroethene                                                                                           | 113              |      | 114               |      | 70-130              | 1   |      | 20            |
| Trichloroethene                                                                                                    | 111              |      | 111               |      | 70-130              | 0   |      | 20            |
| 1,2-Dichlorobenzene                                                                                                | 94               |      | 100               |      | 70-130              | 6   |      | 20            |
| 1,3-Dichlorobenzene                                                                                                | 113              |      | 99                |      | 70-130              | 13  |      | 20            |
| 1,4-Dichlorobenzene                                                                                                | 108              |      | 116               |      | 70-130              | 7   |      | 20            |
| Methyl tert butyl ether                                                                                            | 106              |      | 100               |      | 70-130              | 6   |      | 20            |
| p/m-Xylene                                                                                                         | 93               |      | 113               |      | 70-130              | 19  |      | 20            |
| o-Xylene                                                                                                           | 93               |      | 106               |      | 70-130              | 13  |      | 20            |
| cis-1,2-Dichloroethene                                                                                             | 110              |      | 108               |      | 70-130              | 2   |      | 20            |
| Dibromomethane                                                                                                     | 107              |      | 105               |      | 70-130              | 2   |      | 20            |
| 1,2,3-Trichloropropane                                                                                             | 85               |      | 96                |      | 70-130              | 12  |      | 20            |
| Styrene                                                                                                            | 108              |      | 113               |      | 70-130              | 5   |      | 20            |
| Dichlorodifluoromethane                                                                                            | 113              |      | 100               |      | 70-130              | 12  |      | 20            |
| Acetone                                                                                                            | 127              |      | 93                |      | 70-130              | 31  | Q    | 20            |
| Carbon disulfide                                                                                                   | 128              |      | 97                |      | 70-130              | 28  | Q    | 20            |
| Methyl ethyl ketone                                                                                                | 104              |      | 86                |      | 70-130              | 19  |      | 20            |
| Methyl isobutyl ketone                                                                                             | 88               |      | 105               |      | 70-130              | 18  |      | 20            |
| 2-Hexanone                                                                                                         | 88               |      | 107               |      | 70-130              | 19  |      | 20            |
| Bromochloromethane                                                                                                 | 99               |      | 109               |      | 70-130              | 10  |      | 20            |
| Tetrahydrofuran                                                                                                    | 118              |      | 98                |      | 70-130              | 19  |      | 20            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU2501.P2

Lab Number: L2441230

Report Date: 07/31/24

| Parameter                                                                                                          | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-10 Batch: WG1951918-3 WG1951918-4 |                  |      |                   |      |                     |     |      |               |
| 2,2-Dichloropropane                                                                                                | 123              |      | 114               |      | 70-130              | 8   |      | 20            |
| 1,2-Dibromoethane                                                                                                  | 93               |      | 118               |      | 70-130              | 24  | Q    | 20            |
| 1,3-Dichloropropane                                                                                                | 98               |      | 119               |      | 70-130              | 19  |      | 20            |
| 1,1,1,2-Tetrachloroethane                                                                                          | 106              |      | 109               |      | 70-130              | 3   |      | 20            |
| Bromobenzene                                                                                                       | 90               |      | 92                |      | 70-130              | 2   |      | 20            |
| n-Butylbenzene                                                                                                     | 100              |      | 114               |      | 70-130              | 13  |      | 20            |
| sec-Butylbenzene                                                                                                   | 108              |      | 102               |      | 70-130              | 6   |      | 20            |
| tert-Butylbenzene                                                                                                  | 90               |      | 106               |      | 70-130              | 16  |      | 20            |
| o-Chlorotoluene                                                                                                    | 101              |      | 101               |      | 70-130              | 0   |      | 20            |
| p-Chlorotoluene                                                                                                    | 105              |      | 102               |      | 70-130              | 3   |      | 20            |
| 1,2-Dibromo-3-chloropropane                                                                                        | 83               |      | 94                |      | 70-130              | 12  |      | 20            |
| Hexachlorobutadiene                                                                                                | 98               |      | 79                |      | 70-130              | 21  | Q    | 20            |
| Isopropylbenzene                                                                                                   | 100              |      | 111               |      | 70-130              | 10  |      | 20            |
| p-Isopropyltoluene                                                                                                 | 109              |      | 102               |      | 70-130              | 7   |      | 20            |
| Naphthalene                                                                                                        | 107              |      | 92                |      | 70-130              | 15  |      | 20            |
| n-Propylbenzene                                                                                                    | 101              |      | 104               |      | 70-130              | 3   |      | 20            |
| 1,2,3-Trichlorobenzene                                                                                             | 112              |      | 94                |      | 70-130              | 17  |      | 20            |
| 1,2,4-Trichlorobenzene                                                                                             | 117              |      | 94                |      | 70-130              | 22  | Q    | 20            |
| 1,3,5-Trimethylbenzene                                                                                             | 92               |      | 108               |      | 70-130              | 16  |      | 20            |
| 1,2,4-Trimethylbenzene                                                                                             | 95               |      | 99                |      | 70-130              | 4   |      | 20            |
| Diethyl ether                                                                                                      | 145              | Q    | 110               |      | 70-130              | 27  | Q    | 20            |
| Diisopropyl Ether                                                                                                  | 120              |      | 103               |      | 70-130              | 15  |      | 20            |
| Ethyl-Tert-Butyl-Ether                                                                                             | 113              |      | 103               |      | 70-130              | 9   |      | 20            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Lab Number: L2441230

Project Number: TRU2501.P2

Report Date: 07/31/24

| Parameter                                                                                                          | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-10 Batch: WG1951918-3 WG1951918-4 |                  |      |                   |      |                     |     |      |               |
| Tertiary-Amyl Methyl Ether                                                                                         | 107              |      | 102               |      | 70-130              | 5   |      | 20            |
| 1,4-Dioxane                                                                                                        | 102              |      | 99                |      | 70-130              | 3   |      | 20            |

| Surrogate             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|-----------------------|------------------|------|-------------------|------|------------------------|
| 1,2-Dichloroethane-d4 | 101              |      | 97                |      | 70-130                 |
| Toluene-d8            | 85               |      | 114               |      | 70-130                 |
| 4-Bromofluorobenzene  | 84               |      | 92                |      | 70-130                 |
| Dibromofluoromethane  | 97               |      | 100               |      | 70-130                 |

# SEMIVOLATILES

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

**SAMPLE RESULTS**

**Lab ID:** L2441230-01  
**Client ID:** SB-1 (2-4)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 09:15  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 141,8270E  
**Analytical Date:** 07/29/24 14:22  
**Analyst:** EK  
**Percent Solids:** 98%

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/28/24 04:47

| Parameter                                   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Semivolatile Organics - Westborough Lab |        |           |       |     |     |                 |
| Acenaphthene                                | ND     |           | ug/kg | 130 | --  | 1               |
| 1,2,4-Trichlorobenzene                      | ND     |           | ug/kg | 170 | --  | 1               |
| Hexachlorobenzene                           | ND     |           | ug/kg | 70  | --  | 1               |
| Bis(2-chloroethyl)ether                     | ND     |           | ug/kg | 70  | --  | 1               |
| 2-Chloronaphthalene                         | ND     |           | ug/kg | 170 | --  | 1               |
| 1,2-Dichlorobenzene                         | ND     |           | ug/kg | 170 | --  | 1               |
| 1,3-Dichlorobenzene                         | ND     |           | ug/kg | 170 | --  | 1               |
| 1,4-Dichlorobenzene                         | ND     |           | ug/kg | 70  | --  | 1               |
| 3,3'-Dichlorobenzidine                      | ND     |           | ug/kg | 170 | --  | 1               |
| 2,4-Dinitrotoluene                          | ND     |           | ug/kg | 70  | --  | 1               |
| 2,6-Dinitrotoluene                          | ND     |           | ug/kg | 170 | --  | 1               |
| Azobenzene                                  | ND     |           | ug/kg | 170 | --  | 1               |
| Fluoranthene                                | ND     |           | ug/kg | 100 | --  | 1               |
| 4-Bromophenyl phenyl ether                  | ND     |           | ug/kg | 170 | --  | 1               |
| Bis(2-chloroisopropyl)ether                 | ND     |           | ug/kg | 70  | --  | 1               |
| Bis(2-chloroethoxy)methane                  | ND     |           | ug/kg | 180 | --  | 1               |
| Hexachlorobutadiene                         | ND     |           | ug/kg | 170 | --  | 1               |
| Hexachloroethane                            | ND     |           | ug/kg | 70  | --  | 1               |
| Isophorone                                  | ND     |           | ug/kg | 150 | --  | 1               |
| Naphthalene                                 | ND     |           | ug/kg | 170 | --  | 1               |
| Nitrobenzene                                | ND     |           | ug/kg | 150 | --  | 1               |
| Bis(2-ethylhexyl)phthalate                  | ND     |           | ug/kg | 170 | --  | 1               |
| Butyl benzyl phthalate                      | ND     |           | ug/kg | 170 | --  | 1               |
| Di-n-butylphthalate                         | ND     |           | ug/kg | 170 | --  | 1               |
| Di-n-octylphthalate                         | ND     |           | ug/kg | 170 | --  | 1               |
| Diethyl phthalate                           | ND     |           | ug/kg | 170 | --  | 1               |
| Dimethyl phthalate                          | ND     |           | ug/kg | 70  | --  | 1               |
| Benzo(a)anthracene                          | ND     |           | ug/kg | 100 | --  | 1               |

Project Name: TRURO DPW

Lab Number: L2441230

Project Number: TRU2501.P2

Report Date: 07/31/24

## SAMPLE RESULTS

Lab ID: L2441230-01

Date Collected: 07/19/24 09:15

Client ID: SB-1 (2-4)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter                                   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Semivolatile Organics - Westborough Lab |        |           |       |     |     |                 |
| Benzo(a)pyrene                              | ND     |           | ug/kg | 130 | --  | 1               |
| Benzo(b)fluoranthene                        | ND     |           | ug/kg | 100 | --  | 1               |
| Benzo(k)fluoranthene                        | ND     |           | ug/kg | 100 | --  | 1               |
| Chrysene                                    | ND     |           | ug/kg | 100 | --  | 1               |
| Acenaphthylene                              | ND     |           | ug/kg | 130 | --  | 1               |
| Anthracene                                  | ND     |           | ug/kg | 100 | --  | 1               |
| Benzo(ghi)perylene                          | ND     |           | ug/kg | 130 | --  | 1               |
| Fluorene                                    | ND     |           | ug/kg | 170 | --  | 1               |
| Phenanthrene                                | ND     |           | ug/kg | 100 | --  | 1               |
| Dibenzo(a,h)anthracene                      | ND     |           | ug/kg | 70  | --  | 1               |
| Indeno(1,2,3-cd)pyrene                      | ND     |           | ug/kg | 130 | --  | 1               |
| Pyrene                                      | ND     |           | ug/kg | 100 | --  | 1               |
| Aniline                                     | ND     |           | ug/kg | 200 | --  | 1               |
| 4-Chloroaniline                             | ND     |           | ug/kg | 170 | --  | 1               |
| Dibenzofuran                                | ND     |           | ug/kg | 170 | --  | 1               |
| 2-Methylnaphthalene                         | ND     |           | ug/kg | 70  | --  | 1               |
| Acetophenone                                | ND     |           | ug/kg | 170 | --  | 1               |
| 2,4,6-Trichlorophenol                       | ND     |           | ug/kg | 70  | --  | 1               |
| 2-Chlorophenol                              | ND     |           | ug/kg | 70  | --  | 1               |
| 2,4-Dichlorophenol                          | ND     |           | ug/kg | 70  | --  | 1               |
| 2,4-Dimethylphenol                          | ND     |           | ug/kg | 70  | --  | 1               |
| 2-Nitrophenol                               | ND     |           | ug/kg | 360 | --  | 1               |
| 4-Nitrophenol                               | ND     |           | ug/kg | 230 | --  | 1               |
| 2,4-Dinitrophenol                           | ND     |           | ug/kg | 800 | --  | 1               |
| Pentachlorophenol                           | ND     |           | ug/kg | 330 | --  | 1               |
| Phenol                                      | ND     |           | ug/kg | 170 | --  | 1               |
| 2-Methylphenol                              | ND     |           | ug/kg | 170 | --  | 1               |
| 3-Methylphenol/4-Methylphenol               | ND     |           | ug/kg | 240 | --  | 1               |
| 2,4,5-Trichlorophenol                       | ND     |           | ug/kg | 170 | --  | 1               |
| Biphenyl                                    | ND     |           | ug/kg | 33  | --  | 1               |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

**SAMPLE RESULTS**

**Lab ID:** L2441230-01  
**Client ID:** SB-1 (2-4)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 09:15  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

MCP Semivolatile Organics - Westborough Lab

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 77         |           | 30-130              |
| Phenol-d6            | 80         |           | 30-130              |
| Nitrobenzene-d5      | 77         |           | 30-130              |
| 2-Fluorobiphenyl     | 75         |           | 30-130              |
| 2,4,6-Tribromophenol | 70         |           | 30-130              |
| 4-Terphenyl-d14      | 73         |           | 30-130              |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

**SAMPLE RESULTS**

**Lab ID:** L2441230-02  
**Client ID:** SB-2 (4-6)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 09:40  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 141,8270E  
**Analytical Date:** 07/29/24 14:45  
**Analyst:** EK  
**Percent Solids:** 97%

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/28/24 04:47

| Parameter                                   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Semivolatile Organics - Westborough Lab |        |           |       |     |     |                 |
| Acenaphthene                                | ND     |           | ug/kg | 140 | --  | 1               |
| 1,2,4-Trichlorobenzene                      | ND     |           | ug/kg | 170 | --  | 1               |
| Hexachlorobenzene                           | ND     |           | ug/kg | 71  | --  | 1               |
| Bis(2-chloroethyl)ether                     | ND     |           | ug/kg | 71  | --  | 1               |
| 2-Chloronaphthalene                         | ND     |           | ug/kg | 170 | --  | 1               |
| 1,2-Dichlorobenzene                         | ND     |           | ug/kg | 170 | --  | 1               |
| 1,3-Dichlorobenzene                         | ND     |           | ug/kg | 170 | --  | 1               |
| 1,4-Dichlorobenzene                         | ND     |           | ug/kg | 71  | --  | 1               |
| 3,3'-Dichlorobenzidine                      | ND     |           | ug/kg | 170 | --  | 1               |
| 2,4-Dinitrotoluene                          | ND     |           | ug/kg | 71  | --  | 1               |
| 2,6-Dinitrotoluene                          | ND     |           | ug/kg | 170 | --  | 1               |
| Azobenzene                                  | ND     |           | ug/kg | 170 | --  | 1               |
| Fluoranthene                                | ND     |           | ug/kg | 100 | --  | 1               |
| 4-Bromophenyl phenyl ether                  | ND     |           | ug/kg | 170 | --  | 1               |
| Bis(2-chloroisopropyl)ether                 | ND     |           | ug/kg | 71  | --  | 1               |
| Bis(2-chloroethoxy)methane                  | ND     |           | ug/kg | 180 | --  | 1               |
| Hexachlorobutadiene                         | ND     |           | ug/kg | 170 | --  | 1               |
| Hexachloroethane                            | ND     |           | ug/kg | 71  | --  | 1               |
| Isophorone                                  | ND     |           | ug/kg | 150 | --  | 1               |
| Naphthalene                                 | ND     |           | ug/kg | 170 | --  | 1               |
| Nitrobenzene                                | ND     |           | ug/kg | 150 | --  | 1               |
| Bis(2-ethylhexyl)phthalate                  | ND     |           | ug/kg | 170 | --  | 1               |
| Butyl benzyl phthalate                      | ND     |           | ug/kg | 170 | --  | 1               |
| Di-n-butylphthalate                         | ND     |           | ug/kg | 170 | --  | 1               |
| Di-n-octylphthalate                         | ND     |           | ug/kg | 170 | --  | 1               |
| Diethyl phthalate                           | ND     |           | ug/kg | 170 | --  | 1               |
| Dimethyl phthalate                          | ND     |           | ug/kg | 71  | --  | 1               |
| Benzo(a)anthracene                          | ND     |           | ug/kg | 100 | --  | 1               |



Project Name: TRURO DPW

Lab Number: L2441230

Project Number: TRU2501.P2

Report Date: 07/31/24

## SAMPLE RESULTS

Lab ID: L2441230-02

Date Collected: 07/19/24 09:40

Client ID: SB-2 (4-6)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter                                   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Semivolatile Organics - Westborough Lab |        |           |       |     |     |                 |
| Benzo(a)pyrene                              | ND     |           | ug/kg | 140 | --  | 1               |
| Benzo(b)fluoranthene                        | ND     |           | ug/kg | 100 | --  | 1               |
| Benzo(k)fluoranthene                        | ND     |           | ug/kg | 100 | --  | 1               |
| Chrysene                                    | ND     |           | ug/kg | 100 | --  | 1               |
| Acenaphthylene                              | ND     |           | ug/kg | 140 | --  | 1               |
| Anthracene                                  | ND     |           | ug/kg | 100 | --  | 1               |
| Benzo(ghi)perylene                          | ND     |           | ug/kg | 140 | --  | 1               |
| Fluorene                                    | ND     |           | ug/kg | 170 | --  | 1               |
| Phenanthrene                                | ND     |           | ug/kg | 100 | --  | 1               |
| Dibenzo(a,h)anthracene                      | ND     |           | ug/kg | 71  | --  | 1               |
| Indeno(1,2,3-cd)pyrene                      | ND     |           | ug/kg | 140 | --  | 1               |
| Pyrene                                      | ND     |           | ug/kg | 100 | --  | 1               |
| Aniline                                     | ND     |           | ug/kg | 200 | --  | 1               |
| 4-Chloroaniline                             | ND     |           | ug/kg | 170 | --  | 1               |
| Dibenzofuran                                | ND     |           | ug/kg | 170 | --  | 1               |
| 2-Methylnaphthalene                         | ND     |           | ug/kg | 71  | --  | 1               |
| Acetophenone                                | ND     |           | ug/kg | 170 | --  | 1               |
| 2,4,6-Trichlorophenol                       | ND     |           | ug/kg | 71  | --  | 1               |
| 2-Chlorophenol                              | ND     |           | ug/kg | 71  | --  | 1               |
| 2,4-Dichlorophenol                          | ND     |           | ug/kg | 71  | --  | 1               |
| 2,4-Dimethylphenol                          | ND     |           | ug/kg | 71  | --  | 1               |
| 2-Nitrophenol                               | ND     |           | ug/kg | 370 | --  | 1               |
| 4-Nitrophenol                               | ND     |           | ug/kg | 240 | --  | 1               |
| 2,4-Dinitrophenol                           | ND     |           | ug/kg | 820 | --  | 1               |
| Pentachlorophenol                           | ND     |           | ug/kg | 340 | --  | 1               |
| Phenol                                      | ND     |           | ug/kg | 170 | --  | 1               |
| 2-Methylphenol                              | ND     |           | ug/kg | 170 | --  | 1               |
| 3-Methylphenol/4-Methylphenol               | ND     |           | ug/kg | 240 | --  | 1               |
| 2,4,5-Trichlorophenol                       | ND     |           | ug/kg | 170 | --  | 1               |
| Biphenyl                                    | ND     |           | ug/kg | 34  | --  | 1               |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

**SAMPLE RESULTS**

**Lab ID:** L2441230-02  
**Client ID:** SB-2 (4-6)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 09:40  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

**Sample Depth:**

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

MCP Semivolatile Organics - Westborough Lab

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 74         |           | 30-130              |
| Phenol-d6            | 75         |           | 30-130              |
| Nitrobenzene-d5      | 75         |           | 30-130              |
| 2-Fluorobiphenyl     | 73         |           | 30-130              |
| 2,4,6-Tribromophenol | 70         |           | 30-130              |
| 4-Terphenyl-d14      | 77         |           | 30-130              |

Project Name: TRURO DPW

Lab Number: L2441230

Project Number: TRU2501.P2

Report Date: 07/31/24

## SAMPLE RESULTS

Lab ID: L2441230-05

Date Collected: 07/19/24 12:05

Client ID: SB-8 (8-10)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 141,8270E

Extraction Date: 07/28/24 04:47

Analytical Date: 07/29/24 15:08

Analyst: EK

Percent Solids: 97%

| Parameter                                   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Semivolatile Organics - Westborough Lab |        |           |       |     |     |                 |
| Acenaphthene                                | ND     |           | ug/kg | 130 | --  | 1               |
| 1,2,4-Trichlorobenzene                      | ND     |           | ug/kg | 170 | --  | 1               |
| Hexachlorobenzene                           | ND     |           | ug/kg | 71  | --  | 1               |
| Bis(2-chloroethyl)ether                     | ND     |           | ug/kg | 71  | --  | 1               |
| 2-Chloronaphthalene                         | ND     |           | ug/kg | 170 | --  | 1               |
| 1,2-Dichlorobenzene                         | ND     |           | ug/kg | 170 | --  | 1               |
| 1,3-Dichlorobenzene                         | ND     |           | ug/kg | 170 | --  | 1               |
| 1,4-Dichlorobenzene                         | ND     |           | ug/kg | 71  | --  | 1               |
| 3,3'-Dichlorobenzidine                      | ND     |           | ug/kg | 170 | --  | 1               |
| 2,4-Dinitrotoluene                          | ND     |           | ug/kg | 71  | --  | 1               |
| 2,6-Dinitrotoluene                          | ND     |           | ug/kg | 170 | --  | 1               |
| Azobenzene                                  | ND     |           | ug/kg | 170 | --  | 1               |
| Fluoranthene                                | 350    |           | ug/kg | 100 | --  | 1               |
| 4-Bromophenyl phenyl ether                  | ND     |           | ug/kg | 170 | --  | 1               |
| Bis(2-chloroisopropyl)ether                 | ND     |           | ug/kg | 71  | --  | 1               |
| Bis(2-chloroethoxy)methane                  | ND     |           | ug/kg | 180 | --  | 1               |
| Hexachlorobutadiene                         | ND     |           | ug/kg | 170 | --  | 1               |
| Hexachloroethane                            | ND     |           | ug/kg | 71  | --  | 1               |
| Isophorone                                  | ND     |           | ug/kg | 150 | --  | 1               |
| Naphthalene                                 | ND     |           | ug/kg | 170 | --  | 1               |
| Nitrobenzene                                | ND     |           | ug/kg | 150 | --  | 1               |
| Bis(2-ethylhexyl)phthalate                  | ND     |           | ug/kg | 170 | --  | 1               |
| Butyl benzyl phthalate                      | ND     |           | ug/kg | 170 | --  | 1               |
| Di-n-butylphthalate                         | ND     |           | ug/kg | 170 | --  | 1               |
| Di-n-octylphthalate                         | ND     |           | ug/kg | 170 | --  | 1               |
| Diethyl phthalate                           | ND     |           | ug/kg | 170 | --  | 1               |
| Dimethyl phthalate                          | ND     |           | ug/kg | 71  | --  | 1               |
| Benzo(a)anthracene                          | 120    |           | ug/kg | 100 | --  | 1               |

Project Name: TRURO DPW

Lab Number: L2441230

Project Number: TRU2501.P2

Report Date: 07/31/24

## SAMPLE RESULTS

Lab ID: L2441230-05

Date Collected: 07/19/24 12:05

Client ID: SB-8 (8-10)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter                                   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Semivolatile Organics - Westborough Lab |        |           |       |     |     |                 |
| Benzo(a)pyrene                              | 160    |           | ug/kg | 130 | --  | 1               |
| Benzo(b)fluoranthene                        | 230    |           | ug/kg | 100 | --  | 1               |
| Benzo(k)fluoranthene                        | ND     |           | ug/kg | 100 | --  | 1               |
| Chrysene                                    | 160    |           | ug/kg | 100 | --  | 1               |
| Acenaphthylene                              | ND     |           | ug/kg | 130 | --  | 1               |
| Anthracene                                  | ND     |           | ug/kg | 100 | --  | 1               |
| Benzo(ghi)perylene                          | 130    |           | ug/kg | 130 | --  | 1               |
| Fluorene                                    | ND     |           | ug/kg | 170 | --  | 1               |
| Phenanthrene                                | 210    |           | ug/kg | 100 | --  | 1               |
| Dibenzo(a,h)anthracene                      | ND     |           | ug/kg | 71  | --  | 1               |
| Indeno(1,2,3-cd)pyrene                      | ND     |           | ug/kg | 130 | --  | 1               |
| Pyrene                                      | 280    |           | ug/kg | 100 | --  | 1               |
| Aniline                                     | ND     |           | ug/kg | 200 | --  | 1               |
| 4-Chloroaniline                             | ND     |           | ug/kg | 170 | --  | 1               |
| Dibenzofuran                                | ND     |           | ug/kg | 170 | --  | 1               |
| 2-Methylnaphthalene                         | ND     |           | ug/kg | 71  | --  | 1               |
| Acetophenone                                | ND     |           | ug/kg | 170 | --  | 1               |
| 2,4,6-Trichlorophenol                       | ND     |           | ug/kg | 71  | --  | 1               |
| 2-Chlorophenol                              | ND     |           | ug/kg | 71  | --  | 1               |
| 2,4-Dichlorophenol                          | ND     |           | ug/kg | 71  | --  | 1               |
| 2,4-Dimethylphenol                          | ND     |           | ug/kg | 71  | --  | 1               |
| 2-Nitrophenol                               | ND     |           | ug/kg | 360 | --  | 1               |
| 4-Nitrophenol                               | ND     |           | ug/kg | 240 | --  | 1               |
| 2,4-Dinitrophenol                           | ND     |           | ug/kg | 810 | --  | 1               |
| Pentachlorophenol                           | ND     |           | ug/kg | 340 | --  | 1               |
| Phenol                                      | ND     |           | ug/kg | 170 | --  | 1               |
| 2-Methylphenol                              | ND     |           | ug/kg | 170 | --  | 1               |
| 3-Methylphenol/4-Methylphenol               | ND     |           | ug/kg | 240 | --  | 1               |
| 2,4,5-Trichlorophenol                       | ND     |           | ug/kg | 170 | --  | 1               |
| Biphenyl                                    | ND     |           | ug/kg | 34  | --  | 1               |

**Project Name:** TRURO DPW**Lab Number:** L2441230**Project Number:** TRU2501.P2**Report Date:** 07/31/24**SAMPLE RESULTS**

Lab ID: L2441230-05

Date Collected: 07/19/24 12:05

Client ID: SB-8 (8-10)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter                                   | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---------------------------------------------|--------|-----------|-------|----|-----|-----------------|
| MCP Semivolatile Organics - Westborough Lab |        |           |       |    |     |                 |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 74         |           | 30-130              |
| Phenol-d6            | 75         |           | 30-130              |
| Nitrobenzene-d5      | 76         |           | 30-130              |
| 2-Fluorobiphenyl     | 74         |           | 30-130              |
| 2,4,6-Tribromophenol | 64         |           | 30-130              |
| 4-Terphenyl-d14      | 65         |           | 30-130              |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

**SAMPLE RESULTS**

**Lab ID:** L2441230-06  
**Client ID:** SB-9 (6-8)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 11:45  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 141,8270E  
**Analytical Date:** 07/29/24 15:32  
**Analyst:** EK  
**Percent Solids:** 97%

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/28/24 04:47

| Parameter                                   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Semivolatile Organics - Westborough Lab |        |           |       |     |     |                 |
| Acenaphthene                                | ND     |           | ug/kg | 130 | --  | 1               |
| 1,2,4-Trichlorobenzene                      | ND     |           | ug/kg | 170 | --  | 1               |
| Hexachlorobenzene                           | ND     |           | ug/kg | 70  | --  | 1               |
| Bis(2-chloroethyl)ether                     | ND     |           | ug/kg | 70  | --  | 1               |
| 2-Chloronaphthalene                         | ND     |           | ug/kg | 170 | --  | 1               |
| 1,2-Dichlorobenzene                         | ND     |           | ug/kg | 170 | --  | 1               |
| 1,3-Dichlorobenzene                         | ND     |           | ug/kg | 170 | --  | 1               |
| 1,4-Dichlorobenzene                         | ND     |           | ug/kg | 70  | --  | 1               |
| 3,3'-Dichlorobenzidine                      | ND     |           | ug/kg | 170 | --  | 1               |
| 2,4-Dinitrotoluene                          | ND     |           | ug/kg | 70  | --  | 1               |
| 2,6-Dinitrotoluene                          | ND     |           | ug/kg | 170 | --  | 1               |
| Azobenzene                                  | ND     |           | ug/kg | 170 | --  | 1               |
| Fluoranthene                                | 160    |           | ug/kg | 100 | --  | 1               |
| 4-Bromophenyl phenyl ether                  | ND     |           | ug/kg | 170 | --  | 1               |
| Bis(2-chloroisopropyl)ether                 | ND     |           | ug/kg | 70  | --  | 1               |
| Bis(2-chloroethoxy)methane                  | ND     |           | ug/kg | 180 | --  | 1               |
| Hexachlorobutadiene                         | ND     |           | ug/kg | 170 | --  | 1               |
| Hexachloroethane                            | ND     |           | ug/kg | 70  | --  | 1               |
| Isophorone                                  | ND     |           | ug/kg | 150 | --  | 1               |
| Naphthalene                                 | ND     |           | ug/kg | 170 | --  | 1               |
| Nitrobenzene                                | ND     |           | ug/kg | 150 | --  | 1               |
| Bis(2-ethylhexyl)phthalate                  | ND     |           | ug/kg | 170 | --  | 1               |
| Butyl benzyl phthalate                      | ND     |           | ug/kg | 170 | --  | 1               |
| Di-n-butylphthalate                         | ND     |           | ug/kg | 170 | --  | 1               |
| Di-n-octylphthalate                         | ND     |           | ug/kg | 170 | --  | 1               |
| Diethyl phthalate                           | ND     |           | ug/kg | 170 | --  | 1               |
| Dimethyl phthalate                          | ND     |           | ug/kg | 70  | --  | 1               |
| Benzo(a)anthracene                          | ND     |           | ug/kg | 100 | --  | 1               |

Project Name: TRURO DPW

Lab Number: L2441230

Project Number: TRU2501.P2

Report Date: 07/31/24

## SAMPLE RESULTS

Lab ID: L2441230-06

Date Collected: 07/19/24 11:45

Client ID: SB-9 (6-8)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter                                   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Semivolatile Organics - Westborough Lab |        |           |       |     |     |                 |
| Benzo(a)pyrene                              | ND     |           | ug/kg | 130 | --  | 1               |
| Benzo(b)fluoranthene                        | 100    |           | ug/kg | 100 | --  | 1               |
| Benzo(k)fluoranthene                        | ND     |           | ug/kg | 100 | --  | 1               |
| Chrysene                                    | ND     |           | ug/kg | 100 | --  | 1               |
| Acenaphthylene                              | ND     |           | ug/kg | 130 | --  | 1               |
| Anthracene                                  | ND     |           | ug/kg | 100 | --  | 1               |
| Benzo(ghi)perylene                          | ND     |           | ug/kg | 130 | --  | 1               |
| Fluorene                                    | ND     |           | ug/kg | 170 | --  | 1               |
| Phenanthrene                                | ND     |           | ug/kg | 100 | --  | 1               |
| Dibenzo(a,h)anthracene                      | ND     |           | ug/kg | 70  | --  | 1               |
| Indeno(1,2,3-cd)pyrene                      | ND     |           | ug/kg | 130 | --  | 1               |
| Pyrene                                      | 140    |           | ug/kg | 100 | --  | 1               |
| Aniline                                     | ND     |           | ug/kg | 200 | --  | 1               |
| 4-Chloroaniline                             | ND     |           | ug/kg | 170 | --  | 1               |
| Dibenzofuran                                | ND     |           | ug/kg | 170 | --  | 1               |
| 2-Methylnaphthalene                         | ND     |           | ug/kg | 70  | --  | 1               |
| Acetophenone                                | ND     |           | ug/kg | 170 | --  | 1               |
| 2,4,6-Trichlorophenol                       | ND     |           | ug/kg | 70  | --  | 1               |
| 2-Chlorophenol                              | ND     |           | ug/kg | 70  | --  | 1               |
| 2,4-Dichlorophenol                          | ND     |           | ug/kg | 70  | --  | 1               |
| 2,4-Dimethylphenol                          | ND     |           | ug/kg | 70  | --  | 1               |
| 2-Nitrophenol                               | ND     |           | ug/kg | 360 | --  | 1               |
| 4-Nitrophenol                               | ND     |           | ug/kg | 230 | --  | 1               |
| 2,4-Dinitrophenol                           | ND     |           | ug/kg | 800 | --  | 1               |
| Pentachlorophenol                           | ND     |           | ug/kg | 340 | --  | 1               |
| Phenol                                      | ND     |           | ug/kg | 170 | --  | 1               |
| 2-Methylphenol                              | ND     |           | ug/kg | 170 | --  | 1               |
| 3-Methylphenol/4-Methylphenol               | ND     |           | ug/kg | 240 | --  | 1               |
| 2,4,5-Trichlorophenol                       | ND     |           | ug/kg | 170 | --  | 1               |
| Biphenyl                                    | ND     |           | ug/kg | 34  | --  | 1               |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

**SAMPLE RESULTS**

**Lab ID:** L2441230-06  
**Client ID:** SB-9 (6-8)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 11:45  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

MCP Semivolatile Organics - Westborough Lab

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 76         |           | 30-130              |
| Phenol-d6            | 79         |           | 30-130              |
| Nitrobenzene-d5      | 76         |           | 30-130              |
| 2-Fluorobiphenyl     | 75         |           | 30-130              |
| 2,4,6-Tribromophenol | 70         |           | 30-130              |
| 4-Terphenyl-d14      | 70         |           | 30-130              |



Project Name: TRURO DPW

Lab Number: L2441230

Project Number: TRU2501.P2

Report Date: 07/31/24

## SAMPLE RESULTS

Lab ID: L2441230-07

Date Collected: 07/19/24 12:15

Client ID: SB-10 (4-6)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 141,8270E

Extraction Date: 07/28/24 04:47

Analytical Date: 07/29/24 15:55

Analyst: EK

Percent Solids: 99%

| Parameter                                   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Semivolatile Organics - Westborough Lab |        |           |       |     |     |                 |
| Acenaphthene                                | ND     |           | ug/kg | 130 | --  | 1               |
| 1,2,4-Trichlorobenzene                      | ND     |           | ug/kg | 160 | --  | 1               |
| Hexachlorobenzene                           | ND     |           | ug/kg | 69  | --  | 1               |
| Bis(2-chloroethyl)ether                     | ND     |           | ug/kg | 69  | --  | 1               |
| 2-Chloronaphthalene                         | ND     |           | ug/kg | 160 | --  | 1               |
| 1,2-Dichlorobenzene                         | ND     |           | ug/kg | 160 | --  | 1               |
| 1,3-Dichlorobenzene                         | ND     |           | ug/kg | 160 | --  | 1               |
| 1,4-Dichlorobenzene                         | ND     |           | ug/kg | 69  | --  | 1               |
| 3,3'-Dichlorobenzidine                      | ND     |           | ug/kg | 160 | --  | 1               |
| 2,4-Dinitrotoluene                          | ND     |           | ug/kg | 69  | --  | 1               |
| 2,6-Dinitrotoluene                          | ND     |           | ug/kg | 160 | --  | 1               |
| Azobenzene                                  | ND     |           | ug/kg | 160 | --  | 1               |
| Fluoranthene                                | 860    |           | ug/kg | 99  | --  | 1               |
| 4-Bromophenyl phenyl ether                  | ND     |           | ug/kg | 160 | --  | 1               |
| Bis(2-chloroisopropyl)ether                 | ND     |           | ug/kg | 69  | --  | 1               |
| Bis(2-chloroethoxy)methane                  | ND     |           | ug/kg | 180 | --  | 1               |
| Hexachlorobutadiene                         | ND     |           | ug/kg | 160 | --  | 1               |
| Hexachloroethane                            | ND     |           | ug/kg | 69  | --  | 1               |
| Isophorone                                  | ND     |           | ug/kg | 150 | --  | 1               |
| Naphthalene                                 | ND     |           | ug/kg | 160 | --  | 1               |
| Nitrobenzene                                | ND     |           | ug/kg | 150 | --  | 1               |
| Bis(2-ethylhexyl)phthalate                  | ND     |           | ug/kg | 160 | --  | 1               |
| Butyl benzyl phthalate                      | ND     |           | ug/kg | 160 | --  | 1               |
| Di-n-butylphthalate                         | ND     |           | ug/kg | 160 | --  | 1               |
| Di-n-octylphthalate                         | ND     |           | ug/kg | 160 | --  | 1               |
| Diethyl phthalate                           | ND     |           | ug/kg | 160 | --  | 1               |
| Dimethyl phthalate                          | ND     |           | ug/kg | 69  | --  | 1               |
| Benzo(a)anthracene                          | 300    |           | ug/kg | 99  | --  | 1               |

Project Name: TRURO DPW

Lab Number: L2441230

Project Number: TRU2501.P2

Report Date: 07/31/24

## SAMPLE RESULTS

Lab ID: L2441230-07

Date Collected: 07/19/24 12:15

Client ID: SB-10 (4-6)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter                                   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Semivolatile Organics - Westborough Lab |        |           |       |     |     |                 |
| Benzo(a)pyrene                              | 380    |           | ug/kg | 130 | --  | 1               |
| Benzo(b)fluoranthene                        | 510    |           | ug/kg | 99  | --  | 1               |
| Benzo(k)fluoranthene                        | 160    |           | ug/kg | 99  | --  | 1               |
| Chrysene                                    | 360    |           | ug/kg | 99  | --  | 1               |
| Acenaphthylene                              | ND     |           | ug/kg | 130 | --  | 1               |
| Anthracene                                  | ND     |           | ug/kg | 99  | --  | 1               |
| Benzo(ghi)perylene                          | 340    |           | ug/kg | 130 | --  | 1               |
| Fluorene                                    | ND     |           | ug/kg | 160 | --  | 1               |
| Phenanthrene                                | 510    |           | ug/kg | 99  | --  | 1               |
| Dibenzo(a,h)anthracene                      | ND     |           | ug/kg | 69  | --  | 1               |
| Indeno(1,2,3-cd)pyrene                      | 310    |           | ug/kg | 130 | --  | 1               |
| Pyrene                                      | 750    |           | ug/kg | 99  | --  | 1               |
| Aniline                                     | ND     |           | ug/kg | 200 | --  | 1               |
| 4-Chloroaniline                             | ND     |           | ug/kg | 160 | --  | 1               |
| Dibenzofuran                                | ND     |           | ug/kg | 160 | --  | 1               |
| 2-Methylnaphthalene                         | ND     |           | ug/kg | 69  | --  | 1               |
| Acetophenone                                | ND     |           | ug/kg | 160 | --  | 1               |
| 2,4,6-Trichlorophenol                       | ND     |           | ug/kg | 69  | --  | 1               |
| 2-Chlorophenol                              | ND     |           | ug/kg | 69  | --  | 1               |
| 2,4-Dichlorophenol                          | ND     |           | ug/kg | 69  | --  | 1               |
| 2,4-Dimethylphenol                          | ND     |           | ug/kg | 69  | --  | 1               |
| 2-Nitrophenol                               | ND     |           | ug/kg | 360 | --  | 1               |
| 4-Nitrophenol                               | ND     |           | ug/kg | 230 | --  | 1               |
| 2,4-Dinitrophenol                           | ND     |           | ug/kg | 790 | --  | 1               |
| Pentachlorophenol                           | ND     |           | ug/kg | 330 | --  | 1               |
| Phenol                                      | ND     |           | ug/kg | 160 | --  | 1               |
| 2-Methylphenol                              | ND     |           | ug/kg | 160 | --  | 1               |
| 3-Methylphenol/4-Methylphenol               | ND     |           | ug/kg | 240 | --  | 1               |
| 2,4,5-Trichlorophenol                       | ND     |           | ug/kg | 160 | --  | 1               |
| Biphenyl                                    | ND     |           | ug/kg | 33  | --  | 1               |

Project Name: TRURO DPW

Lab Number: L2441230

Project Number: TRU2501.P2

Report Date: 07/31/24

## SAMPLE RESULTS

Lab ID: L2441230-07

Date Collected: 07/19/24 12:15

Client ID: SB-10 (4-6)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

MCP Semivolatile Organics - Westborough Lab

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 73         |           | 30-130              |
| Phenol-d6            | 70         |           | 30-130              |
| Nitrobenzene-d5      | 75         |           | 30-130              |
| 2-Fluorobiphenyl     | 72         |           | 30-130              |
| 2,4,6-Tribromophenol | 66         |           | 30-130              |
| 4-Terphenyl-d14      | 68         |           | 30-130              |

Project Name: TRURO DPW

Lab Number: L2441230

Project Number: TRU2501.P2

Report Date: 07/31/24

## SAMPLE RESULTS

Lab ID: L2441230-08  
 Client ID: SB-11 (10-12)  
 Sample Location: TRURO, MA

Date Collected: 07/19/24 11:20  
 Date Received: 07/23/24  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 141,8270E  
 Analytical Date: 07/29/24 16:18  
 Analyst: EK  
 Percent Solids: 97%

Extraction Method: EPA 3546  
 Extraction Date: 07/28/24 04:47

| Parameter                                   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Semivolatile Organics - Westborough Lab |        |           |       |     |     |                 |
| Acenaphthene                                | ND     |           | ug/kg | 130 | --  | 1               |
| 1,2,4-Trichlorobenzene                      | ND     |           | ug/kg | 170 | --  | 1               |
| Hexachlorobenzene                           | ND     |           | ug/kg | 71  | --  | 1               |
| Bis(2-chloroethyl)ether                     | ND     |           | ug/kg | 71  | --  | 1               |
| 2-Chloronaphthalene                         | ND     |           | ug/kg | 170 | --  | 1               |
| 1,2-Dichlorobenzene                         | ND     |           | ug/kg | 170 | --  | 1               |
| 1,3-Dichlorobenzene                         | ND     |           | ug/kg | 170 | --  | 1               |
| 1,4-Dichlorobenzene                         | ND     |           | ug/kg | 71  | --  | 1               |
| 3,3'-Dichlorobenzidine                      | ND     |           | ug/kg | 170 | --  | 1               |
| 2,4-Dinitrotoluene                          | ND     |           | ug/kg | 71  | --  | 1               |
| 2,6-Dinitrotoluene                          | ND     |           | ug/kg | 170 | --  | 1               |
| Azobenzene                                  | ND     |           | ug/kg | 170 | --  | 1               |
| Fluoranthene                                | 970    |           | ug/kg | 100 | --  | 1               |
| 4-Bromophenyl phenyl ether                  | ND     |           | ug/kg | 170 | --  | 1               |
| Bis(2-chloroisopropyl)ether                 | ND     |           | ug/kg | 71  | --  | 1               |
| Bis(2-chloroethoxy)methane                  | ND     |           | ug/kg | 180 | --  | 1               |
| Hexachlorobutadiene                         | ND     |           | ug/kg | 170 | --  | 1               |
| Hexachloroethane                            | ND     |           | ug/kg | 71  | --  | 1               |
| Isophorone                                  | ND     |           | ug/kg | 150 | --  | 1               |
| Naphthalene                                 | ND     |           | ug/kg | 170 | --  | 1               |
| Nitrobenzene                                | ND     |           | ug/kg | 150 | --  | 1               |
| Bis(2-ethylhexyl)phthalate                  | ND     |           | ug/kg | 170 | --  | 1               |
| Butyl benzyl phthalate                      | ND     |           | ug/kg | 170 | --  | 1               |
| Di-n-butylphthalate                         | ND     |           | ug/kg | 170 | --  | 1               |
| Di-n-octylphthalate                         | ND     |           | ug/kg | 170 | --  | 1               |
| Diethyl phthalate                           | ND     |           | ug/kg | 170 | --  | 1               |
| Dimethyl phthalate                          | ND     |           | ug/kg | 71  | --  | 1               |
| Benzo(a)anthracene                          | 390    |           | ug/kg | 100 | --  | 1               |

Project Name: TRURO DPW

Lab Number: L2441230

Project Number: TRU2501.P2

Report Date: 07/31/24

## SAMPLE RESULTS

Lab ID: L2441230-08

Date Collected: 07/19/24 11:20

Client ID: SB-11 (10-12)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter                                   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Semivolatile Organics - Westborough Lab |        |           |       |     |     |                 |
| Benzo(a)pyrene                              | 460    |           | ug/kg | 130 | --  | 1               |
| Benzo(b)fluoranthene                        | 650    |           | ug/kg | 100 | --  | 1               |
| Benzo(k)fluoranthene                        | 210    |           | ug/kg | 100 | --  | 1               |
| Chrysene                                    | 480    |           | ug/kg | 100 | --  | 1               |
| Acenaphthylene                              | ND     |           | ug/kg | 130 | --  | 1               |
| Anthracene                                  | ND     |           | ug/kg | 100 | --  | 1               |
| Benzo(ghi)perylene                          | 380    |           | ug/kg | 130 | --  | 1               |
| Fluorene                                    | ND     |           | ug/kg | 170 | --  | 1               |
| Phenanthrene                                | 510    |           | ug/kg | 100 | --  | 1               |
| Dibenzo(a,h)anthracene                      | 77     |           | ug/kg | 71  | --  | 1               |
| Indeno(1,2,3-cd)pyrene                      | 340    |           | ug/kg | 130 | --  | 1               |
| Pyrene                                      | 850    |           | ug/kg | 100 | --  | 1               |
| Aniline                                     | ND     |           | ug/kg | 200 | --  | 1               |
| 4-Chloroaniline                             | ND     |           | ug/kg | 170 | --  | 1               |
| Dibenzofuran                                | ND     |           | ug/kg | 170 | --  | 1               |
| 2-Methylnaphthalene                         | ND     |           | ug/kg | 71  | --  | 1               |
| Acetophenone                                | ND     |           | ug/kg | 170 | --  | 1               |
| 2,4,6-Trichlorophenol                       | ND     |           | ug/kg | 71  | --  | 1               |
| 2-Chlorophenol                              | ND     |           | ug/kg | 71  | --  | 1               |
| 2,4-Dichlorophenol                          | ND     |           | ug/kg | 71  | --  | 1               |
| 2,4-Dimethylphenol                          | ND     |           | ug/kg | 71  | --  | 1               |
| 2-Nitrophenol                               | ND     |           | ug/kg | 360 | --  | 1               |
| 4-Nitrophenol                               | ND     |           | ug/kg | 240 | --  | 1               |
| 2,4-Dinitrophenol                           | ND     |           | ug/kg | 810 | --  | 1               |
| Pentachlorophenol                           | ND     |           | ug/kg | 340 | --  | 1               |
| Phenol                                      | ND     |           | ug/kg | 170 | --  | 1               |
| 2-Methylphenol                              | ND     |           | ug/kg | 170 | --  | 1               |
| 3-Methylphenol/4-Methylphenol               | ND     |           | ug/kg | 240 | --  | 1               |
| 2,4,5-Trichlorophenol                       | ND     |           | ug/kg | 170 | --  | 1               |
| Biphenyl                                    | ND     |           | ug/kg | 34  | --  | 1               |

**Project Name:** TRURO DPW**Lab Number:** L2441230**Project Number:** TRU2501.P2**Report Date:** 07/31/24**SAMPLE RESULTS**

Lab ID: L2441230-08

Date Collected: 07/19/24 11:20

Client ID: SB-11 (10-12)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter                                   | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---------------------------------------------|--------|-----------|-------|----|-----|-----------------|
| MCP Semivolatile Organics - Westborough Lab |        |           |       |    |     |                 |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 67         |           | 30-130              |
| Phenol-d6            | 64         |           | 30-130              |
| Nitrobenzene-d5      | 76         |           | 30-130              |
| 2-Fluorobiphenyl     | 73         |           | 30-130              |
| 2,4,6-Tribromophenol | 59         |           | 30-130              |
| 4-Terphenyl-d14      | 68         |           | 30-130              |

Project Name: TRURO DPW

Lab Number: L2441230

Project Number: TRU2501.P2

Report Date: 07/31/24

## SAMPLE RESULTS

Lab ID: L2441230-09  
 Client ID: SB-12 (16-18)  
 Sample Location: TRURO, MA

Date Collected: 07/19/24 13:00  
 Date Received: 07/23/24  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 141,8270E  
 Analytical Date: 07/29/24 16:42  
 Analyst: EK  
 Percent Solids: 97%

Extraction Method: EPA 3546  
 Extraction Date: 07/28/24 04:47

| Parameter                                   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Semivolatile Organics - Westborough Lab |        |           |       |     |     |                 |
| Acenaphthene                                | ND     |           | ug/kg | 140 | --  | 1               |
| 1,2,4-Trichlorobenzene                      | ND     |           | ug/kg | 170 | --  | 1               |
| Hexachlorobenzene                           | ND     |           | ug/kg | 71  | --  | 1               |
| Bis(2-chloroethyl)ether                     | ND     |           | ug/kg | 71  | --  | 1               |
| 2-Chloronaphthalene                         | ND     |           | ug/kg | 170 | --  | 1               |
| 1,2-Dichlorobenzene                         | ND     |           | ug/kg | 170 | --  | 1               |
| 1,3-Dichlorobenzene                         | ND     |           | ug/kg | 170 | --  | 1               |
| 1,4-Dichlorobenzene                         | ND     |           | ug/kg | 71  | --  | 1               |
| 3,3'-Dichlorobenzidine                      | ND     |           | ug/kg | 170 | --  | 1               |
| 2,4-Dinitrotoluene                          | ND     |           | ug/kg | 71  | --  | 1               |
| 2,6-Dinitrotoluene                          | ND     |           | ug/kg | 170 | --  | 1               |
| Azobenzene                                  | ND     |           | ug/kg | 170 | --  | 1               |
| Fluoranthene                                | 630    |           | ug/kg | 100 | --  | 1               |
| 4-Bromophenyl phenyl ether                  | ND     |           | ug/kg | 170 | --  | 1               |
| Bis(2-chloroisopropyl)ether                 | ND     |           | ug/kg | 71  | --  | 1               |
| Bis(2-chloroethoxy)methane                  | ND     |           | ug/kg | 180 | --  | 1               |
| Hexachlorobutadiene                         | ND     |           | ug/kg | 170 | --  | 1               |
| Hexachloroethane                            | ND     |           | ug/kg | 71  | --  | 1               |
| Isophorone                                  | ND     |           | ug/kg | 150 | --  | 1               |
| Naphthalene                                 | ND     |           | ug/kg | 170 | --  | 1               |
| Nitrobenzene                                | ND     |           | ug/kg | 150 | --  | 1               |
| Bis(2-ethylhexyl)phthalate                  | ND     |           | ug/kg | 170 | --  | 1               |
| Butyl benzyl phthalate                      | ND     |           | ug/kg | 170 | --  | 1               |
| Di-n-butylphthalate                         | ND     |           | ug/kg | 170 | --  | 1               |
| Di-n-octylphthalate                         | ND     |           | ug/kg | 170 | --  | 1               |
| Diethyl phthalate                           | ND     |           | ug/kg | 170 | --  | 1               |
| Dimethyl phthalate                          | ND     |           | ug/kg | 71  | --  | 1               |
| Benzo(a)anthracene                          | 220    |           | ug/kg | 100 | --  | 1               |

Project Name: TRURO DPW

Lab Number: L2441230

Project Number: TRU2501.P2

Report Date: 07/31/24

## SAMPLE RESULTS

Lab ID: L2441230-09

Date Collected: 07/19/24 13:00

Client ID: SB-12 (16-18)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter                                   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Semivolatile Organics - Westborough Lab |        |           |       |     |     |                 |
| Benzo(a)pyrene                              | 270    |           | ug/kg | 140 | --  | 1               |
| Benzo(b)fluoranthene                        | 370    |           | ug/kg | 100 | --  | 1               |
| Benzo(k)fluoranthene                        | 110    |           | ug/kg | 100 | --  | 1               |
| Chrysene                                    | 300    |           | ug/kg | 100 | --  | 1               |
| Acenaphthylene                              | ND     |           | ug/kg | 140 | --  | 1               |
| Anthracene                                  | ND     |           | ug/kg | 100 | --  | 1               |
| Benzo(ghi)perylene                          | 230    |           | ug/kg | 140 | --  | 1               |
| Fluorene                                    | ND     |           | ug/kg | 170 | --  | 1               |
| Phenanthrene                                | 350    |           | ug/kg | 100 | --  | 1               |
| Dibenzo(a,h)anthracene                      | ND     |           | ug/kg | 71  | --  | 1               |
| Indeno(1,2,3-cd)pyrene                      | 200    |           | ug/kg | 140 | --  | 1               |
| Pyrene                                      | 550    |           | ug/kg | 100 | --  | 1               |
| Aniline                                     | ND     |           | ug/kg | 200 | --  | 1               |
| 4-Chloroaniline                             | ND     |           | ug/kg | 170 | --  | 1               |
| Dibenzofuran                                | ND     |           | ug/kg | 170 | --  | 1               |
| 2-Methylnaphthalene                         | ND     |           | ug/kg | 71  | --  | 1               |
| Acetophenone                                | ND     |           | ug/kg | 170 | --  | 1               |
| 2,4,6-Trichlorophenol                       | ND     |           | ug/kg | 71  | --  | 1               |
| 2-Chlorophenol                              | ND     |           | ug/kg | 71  | --  | 1               |
| 2,4-Dichlorophenol                          | ND     |           | ug/kg | 71  | --  | 1               |
| 2,4-Dimethylphenol                          | ND     |           | ug/kg | 71  | --  | 1               |
| 2-Nitrophenol                               | ND     |           | ug/kg | 360 | --  | 1               |
| 4-Nitrophenol                               | ND     |           | ug/kg | 240 | --  | 1               |
| 2,4-Dinitrophenol                           | ND     |           | ug/kg | 810 | --  | 1               |
| Pentachlorophenol                           | ND     |           | ug/kg | 340 | --  | 1               |
| Phenol                                      | ND     |           | ug/kg | 170 | --  | 1               |
| 2-Methylphenol                              | ND     |           | ug/kg | 170 | --  | 1               |
| 3-Methylphenol/4-Methylphenol               | ND     |           | ug/kg | 240 | --  | 1               |
| 2,4,5-Trichlorophenol                       | ND     |           | ug/kg | 170 | --  | 1               |
| Biphenyl                                    | ND     |           | ug/kg | 34  | --  | 1               |



Project Name: TRURO DPW

Lab Number: L2441230

Project Number: TRU2501.P2

Report Date: 07/31/24

## SAMPLE RESULTS

Lab ID: L2441230-09

Date Collected: 07/19/24 13:00

Client ID: SB-12 (16-18)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter                                   | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---------------------------------------------|--------|-----------|-------|----|-----|-----------------|
| MCP Semivolatile Organics - Westborough Lab |        |           |       |    |     |                 |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 71         |           | 30-130              |
| Phenol-d6            | 71         |           | 30-130              |
| Nitrobenzene-d5      | 77         |           | 30-130              |
| 2-Fluorobiphenyl     | 74         |           | 30-130              |
| 2,4,6-Tribromophenol | 61         |           | 30-130              |
| 4-Terphenyl-d14      | 67         |           | 30-130              |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

**SAMPLE RESULTS**

**Lab ID:** L2441230-10  
**Client ID:** SB-14 (4-6)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 09:50  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 141,8270E  
**Analytical Date:** 07/29/24 17:05  
**Analyst:** EK  
**Percent Solids:** 97%

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/28/24 04:47

| Parameter                                   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Semivolatile Organics - Westborough Lab |        |           |       |     |     |                 |
| Acenaphthene                                | ND     |           | ug/kg | 140 | --  | 1               |
| 1,2,4-Trichlorobenzene                      | ND     |           | ug/kg | 170 | --  | 1               |
| Hexachlorobenzene                           | ND     |           | ug/kg | 72  | --  | 1               |
| Bis(2-chloroethyl)ether                     | ND     |           | ug/kg | 72  | --  | 1               |
| 2-Chloronaphthalene                         | ND     |           | ug/kg | 170 | --  | 1               |
| 1,2-Dichlorobenzene                         | ND     |           | ug/kg | 170 | --  | 1               |
| 1,3-Dichlorobenzene                         | ND     |           | ug/kg | 170 | --  | 1               |
| 1,4-Dichlorobenzene                         | ND     |           | ug/kg | 72  | --  | 1               |
| 3,3'-Dichlorobenzidine                      | ND     |           | ug/kg | 170 | --  | 1               |
| 2,4-Dinitrotoluene                          | ND     |           | ug/kg | 72  | --  | 1               |
| 2,6-Dinitrotoluene                          | ND     |           | ug/kg | 170 | --  | 1               |
| Azobenzene                                  | ND     |           | ug/kg | 170 | --  | 1               |
| Fluoranthene                                | 120    |           | ug/kg | 100 | --  | 1               |
| 4-Bromophenyl phenyl ether                  | ND     |           | ug/kg | 170 | --  | 1               |
| Bis(2-chloroisopropyl)ether                 | ND     |           | ug/kg | 72  | --  | 1               |
| Bis(2-chloroethoxy)methane                  | ND     |           | ug/kg | 180 | --  | 1               |
| Hexachlorobutadiene                         | ND     |           | ug/kg | 170 | --  | 1               |
| Hexachloroethane                            | ND     |           | ug/kg | 72  | --  | 1               |
| Isophorone                                  | ND     |           | ug/kg | 150 | --  | 1               |
| Naphthalene                                 | ND     |           | ug/kg | 170 | --  | 1               |
| Nitrobenzene                                | ND     |           | ug/kg | 150 | --  | 1               |
| Bis(2-ethylhexyl)phthalate                  | ND     |           | ug/kg | 170 | --  | 1               |
| Butyl benzyl phthalate                      | ND     |           | ug/kg | 170 | --  | 1               |
| Di-n-butylphthalate                         | ND     |           | ug/kg | 170 | --  | 1               |
| Di-n-octylphthalate                         | ND     |           | ug/kg | 170 | --  | 1               |
| Diethyl phthalate                           | ND     |           | ug/kg | 170 | --  | 1               |
| Dimethyl phthalate                          | ND     |           | ug/kg | 72  | --  | 1               |
| Benzo(a)anthracene                          | ND     |           | ug/kg | 100 | --  | 1               |

Project Name: TRURO DPW

Lab Number: L2441230

Project Number: TRU2501.P2

Report Date: 07/31/24

## SAMPLE RESULTS

Lab ID: L2441230-10

Date Collected: 07/19/24 09:50

Client ID: SB-14 (4-6)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter                                   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Semivolatile Organics - Westborough Lab |        |           |       |     |     |                 |
| Benzo(a)pyrene                              | ND     |           | ug/kg | 140 | --  | 1               |
| Benzo(b)fluoranthene                        | ND     |           | ug/kg | 100 | --  | 1               |
| Benzo(k)fluoranthene                        | ND     |           | ug/kg | 100 | --  | 1               |
| Chrysene                                    | ND     |           | ug/kg | 100 | --  | 1               |
| Acenaphthylene                              | ND     |           | ug/kg | 140 | --  | 1               |
| Anthracene                                  | ND     |           | ug/kg | 100 | --  | 1               |
| Benzo(ghi)perylene                          | ND     |           | ug/kg | 140 | --  | 1               |
| Fluorene                                    | ND     |           | ug/kg | 170 | --  | 1               |
| Phenanthrene                                | ND     |           | ug/kg | 100 | --  | 1               |
| Dibenzo(a,h)anthracene                      | ND     |           | ug/kg | 72  | --  | 1               |
| Indeno(1,2,3-cd)pyrene                      | ND     |           | ug/kg | 140 | --  | 1               |
| Pyrene                                      | ND     |           | ug/kg | 100 | --  | 1               |
| Aniline                                     | ND     |           | ug/kg | 200 | --  | 1               |
| 4-Chloroaniline                             | ND     |           | ug/kg | 170 | --  | 1               |
| Dibenzofuran                                | ND     |           | ug/kg | 170 | --  | 1               |
| 2-Methylnaphthalene                         | ND     |           | ug/kg | 72  | --  | 1               |
| Acetophenone                                | ND     |           | ug/kg | 170 | --  | 1               |
| 2,4,6-Trichlorophenol                       | ND     |           | ug/kg | 72  | --  | 1               |
| 2-Chlorophenol                              | ND     |           | ug/kg | 72  | --  | 1               |
| 2,4-Dichlorophenol                          | ND     |           | ug/kg | 72  | --  | 1               |
| 2,4-Dimethylphenol                          | ND     |           | ug/kg | 72  | --  | 1               |
| 2-Nitrophenol                               | ND     |           | ug/kg | 370 | --  | 1               |
| 4-Nitrophenol                               | ND     |           | ug/kg | 240 | --  | 1               |
| 2,4-Dinitrophenol                           | ND     |           | ug/kg | 820 | --  | 1               |
| Pentachlorophenol                           | ND     |           | ug/kg | 340 | --  | 1               |
| Phenol                                      | ND     |           | ug/kg | 170 | --  | 1               |
| 2-Methylphenol                              | ND     |           | ug/kg | 170 | --  | 1               |
| 3-Methylphenol/4-Methylphenol               | ND     |           | ug/kg | 240 | --  | 1               |
| 2,4,5-Trichlorophenol                       | ND     |           | ug/kg | 170 | --  | 1               |
| Biphenyl                                    | ND     |           | ug/kg | 34  | --  | 1               |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

**SAMPLE RESULTS**

Lab ID: L2441230-10  
 Client ID: SB-14 (4-6)  
 Sample Location: TRURO, MA

Date Collected: 07/19/24 09:50  
 Date Received: 07/23/24  
 Field Prep: Not Specified

Sample Depth:

| Parameter                                   | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---------------------------------------------|--------|-----------|-------|----|-----|-----------------|
| MCP Semivolatile Organics - Westborough Lab |        |           |       |    |     |                 |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 89         |           | 30-130              |
| Phenol-d6            | 100        |           | 30-130              |
| Nitrobenzene-d5      | 102        |           | 30-130              |
| 2-Fluorobiphenyl     | 105        |           | 30-130              |
| 2,4,6-Tribromophenol | 74         |           | 30-130              |
| 4-Terphenyl-d14      | 103        |           | 30-130              |

Project Name: TRURO DPW

Project Number: TRU2501.P2

Lab Number: L2441230

Report Date: 07/31/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 141,8270E  
 Analytical Date: 07/28/24 14:39  
 Analyst: CMM

Extraction Method: EPA 3546  
 Extraction Date: 07/27/24 17:34

| Parameter                                                                                 | Result | Qualifier | Units | RL  | MDL |
|-------------------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| MCP Semivolatile Organics - Westborough Lab for sample(s): 01-02,05-10 Batch: WG1952275-1 |        |           |       |     |     |
| Acenaphthene                                                                              | ND     |           | ug/kg | 130 | --  |
| 1,2,4-Trichlorobenzene                                                                    | ND     |           | ug/kg | 160 | --  |
| Hexachlorobenzene                                                                         | ND     |           | ug/kg | 69  | --  |
| Bis(2-chloroethyl)ether                                                                   | ND     |           | ug/kg | 69  | --  |
| 2-Chloronaphthalene                                                                       | ND     |           | ug/kg | 160 | --  |
| 1,2-Dichlorobenzene                                                                       | ND     |           | ug/kg | 160 | --  |
| 1,3-Dichlorobenzene                                                                       | ND     |           | ug/kg | 160 | --  |
| 1,4-Dichlorobenzene                                                                       | ND     |           | ug/kg | 69  | --  |
| 3,3'-Dichlorobenzidine                                                                    | ND     |           | ug/kg | 160 | --  |
| 2,4-Dinitrotoluene                                                                        | ND     |           | ug/kg | 69  | --  |
| 2,6-Dinitrotoluene                                                                        | ND     |           | ug/kg | 160 | --  |
| Azobenzene                                                                                | ND     |           | ug/kg | 160 | --  |
| Fluoranthene                                                                              | ND     |           | ug/kg | 98  | --  |
| 4-Bromophenyl phenyl ether                                                                | ND     |           | ug/kg | 160 | --  |
| Bis(2-chloroisopropyl)ether                                                               | ND     |           | ug/kg | 69  | --  |
| Bis(2-chloroethoxy)methane                                                                | ND     |           | ug/kg | 180 | --  |
| Hexachlorobutadiene                                                                       | ND     |           | ug/kg | 160 | --  |
| Hexachloroethane                                                                          | ND     |           | ug/kg | 69  | --  |
| Isophorone                                                                                | ND     |           | ug/kg | 150 | --  |
| Naphthalene                                                                               | ND     |           | ug/kg | 160 | --  |
| Nitrobenzene                                                                              | ND     |           | ug/kg | 150 | --  |
| Bis(2-ethylhexyl)phthalate                                                                | ND     |           | ug/kg | 160 | --  |
| Butyl benzyl phthalate                                                                    | ND     |           | ug/kg | 160 | --  |
| Di-n-butylphthalate                                                                       | ND     |           | ug/kg | 160 | --  |
| Di-n-octylphthalate                                                                       | ND     |           | ug/kg | 160 | --  |
| Diethyl phthalate                                                                         | ND     |           | ug/kg | 160 | --  |
| Dimethyl phthalate                                                                        | ND     |           | ug/kg | 69  | --  |
| Benzo(a)anthracene                                                                        | ND     |           | ug/kg | 98  | --  |
| Benzo(a)pyrene                                                                            | ND     |           | ug/kg | 130 | --  |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

### Method Blank Analysis Batch Quality Control

**Analytical Method:** 141,8270E  
**Analytical Date:** 07/28/24 14:39  
**Analyst:** CMM

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/27/24 17:34

| Parameter                                                                                 | Result | Qualifier | Units | RL  | MDL |
|-------------------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| MCP Semivolatile Organics - Westborough Lab for sample(s): 01-02,05-10 Batch: WG1952275-1 |        |           |       |     |     |
| Benzo(b)fluoranthene                                                                      | ND     |           | ug/kg | 98  | --  |
| Benzo(k)fluoranthene                                                                      | ND     |           | ug/kg | 98  | --  |
| Chrysene                                                                                  | ND     |           | ug/kg | 98  | --  |
| Acenaphthylene                                                                            | ND     |           | ug/kg | 130 | --  |
| Anthracene                                                                                | ND     |           | ug/kg | 98  | --  |
| Benzo(ghi)perylene                                                                        | ND     |           | ug/kg | 130 | --  |
| Fluorene                                                                                  | ND     |           | ug/kg | 160 | --  |
| Phenanthrene                                                                              | ND     |           | ug/kg | 98  | --  |
| Dibenzo(a,h)anthracene                                                                    | ND     |           | ug/kg | 69  | --  |
| Indeno(1,2,3-cd)pyrene                                                                    | ND     |           | ug/kg | 130 | --  |
| Pyrene                                                                                    | ND     |           | ug/kg | 98  | --  |
| Aniline                                                                                   | ND     |           | ug/kg | 200 | --  |
| 4-Chloroaniline                                                                           | ND     |           | ug/kg | 160 | --  |
| Dibenzofuran                                                                              | ND     |           | ug/kg | 160 | --  |
| 2-Methylnaphthalene                                                                       | ND     |           | ug/kg | 69  | --  |
| Acetophenone                                                                              | ND     |           | ug/kg | 160 | --  |
| 2,4,6-Trichlorophenol                                                                     | ND     |           | ug/kg | 69  | --  |
| 2-Chlorophenol                                                                            | ND     |           | ug/kg | 69  | --  |
| 2,4-Dichlorophenol                                                                        | ND     |           | ug/kg | 69  | --  |
| 2,4-Dimethylphenol                                                                        | ND     |           | ug/kg | 69  | --  |
| 2-Nitrophenol                                                                             | ND     |           | ug/kg | 350 | --  |
| 4-Nitrophenol                                                                             | ND     |           | ug/kg | 230 | --  |
| 2,4-Dinitrophenol                                                                         | ND     |           | ug/kg | 790 | --  |
| Pentachlorophenol                                                                         | ND     |           | ug/kg | 330 | --  |
| Phenol                                                                                    | ND     |           | ug/kg | 160 | --  |
| 2-Methylphenol                                                                            | ND     |           | ug/kg | 160 | --  |
| 3-Methylphenol/4-Methylphenol                                                             | ND     |           | ug/kg | 240 | --  |
| 2,4,5-Trichlorophenol                                                                     | ND     |           | ug/kg | 160 | --  |
| Biphenyl                                                                                  | ND     |           | ug/kg | 33  | --  |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 141,8270E  
 Analytical Date: 07/28/24 14:39  
 Analyst: CMM

Extraction Method: EPA 3546  
 Extraction Date: 07/27/24 17:34

| Parameter                                                                                 | Result | Qualifier | Units | RL | MDL |
|-------------------------------------------------------------------------------------------|--------|-----------|-------|----|-----|
| MCP Semivolatile Organics - Westborough Lab for sample(s): 01-02,05-10 Batch: WG1952275-1 |        |           |       |    |     |

| Surrogate            | %Recovery | Qualifier | Acceptance<br>Criteria |
|----------------------|-----------|-----------|------------------------|
| 2-Fluorophenol       | 73        |           | 30-130                 |
| Phenol-d6            | 87        |           | 30-130                 |
| Nitrobenzene-d5      | 94        |           | 30-130                 |
| 2-Fluorobiphenyl     | 85        |           | 30-130                 |
| 2,4,6-Tribromophenol | 83        |           | 30-130                 |
| 4-Terphenyl-d14      | 109       |           | 30-130                 |

# **Lab Control Sample Analysis** **Batch Quality Control**

Project Name: TRURO DPW

Project Number: TRU2501.P2

Lab Number: L2441230

Report Date: 07/31/24

| Parameter                                                                                                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-02,05-10 Batch: WG1952275-2 WG1952275-3 |                  |      |                   |      |                     |     |      |               |
| Acenaphthene                                                                                                 | 78               |      | 75                |      | 40-140              | 4   |      | 30            |
| 1,2,4-Trichlorobenzene                                                                                       | 72               |      | 69                |      | 40-140              | 4   |      | 30            |
| Hexachlorobenzene                                                                                            | 87               |      | 84                |      | 40-140              | 4   |      | 30            |
| Bis(2-chloroethyl)ether                                                                                      | 70               |      | 68                |      | 40-140              | 3   |      | 30            |
| 2-Chloronaphthalene                                                                                          | 72               |      | 69                |      | 40-140              | 4   |      | 30            |
| 1,2-Dichlorobenzene                                                                                          | 73               |      | 70                |      | 40-140              | 4   |      | 30            |
| 1,3-Dichlorobenzene                                                                                          | 72               |      | 70                |      | 40-140              | 3   |      | 30            |
| 1,4-Dichlorobenzene                                                                                          | 73               |      | 70                |      | 40-140              | 4   |      | 30            |
| 3,3'-Dichlorobenzidine                                                                                       | 81               |      | 73                |      | 40-140              | 10  |      | 30            |
| 2,4-Dinitrotoluene                                                                                           | 97               |      | 92                |      | 40-140              | 5   |      | 30            |
| 2,6-Dinitrotoluene                                                                                           | 86               |      | 85                |      | 40-140              | 1   |      | 30            |
| Azobenzene                                                                                                   | 75               |      | 74                |      | 40-140              | 1   |      | 30            |
| Fluoranthene                                                                                                 | 83               |      | 82                |      | 40-140              | 1   |      | 30            |
| 4-Bromophenyl phenyl ether                                                                                   | 86               |      | 83                |      | 40-140              | 4   |      | 30            |
| Bis(2-chloroisopropyl)ether                                                                                  | 57               |      | 54                |      | 40-140              | 5   |      | 30            |
| Bis(2-chloroethoxy)methane                                                                                   | 75               |      | 74                |      | 40-140              | 1   |      | 30            |
| Hexachlorobutadiene                                                                                          | 71               |      | 68                |      | 40-140              | 4   |      | 30            |
| Hexachloroethane                                                                                             | 71               |      | 69                |      | 40-140              | 3   |      | 30            |
| Isophorone                                                                                                   | 74               |      | 73                |      | 40-140              | 1   |      | 30            |
| Naphthalene                                                                                                  | 77               |      | 74                |      | 40-140              | 4   |      | 30            |
| Nitrobenzene                                                                                                 | 78               |      | 76                |      | 40-140              | 3   |      | 30            |
| Bis(2-ethylhexyl)phthalate                                                                                   | 91               |      | 88                |      | 40-140              | 3   |      | 30            |
| Butyl benzyl phthalate                                                                                       | 85               |      | 82                |      | 40-140              | 4   |      | 30            |



# **Lab Control Sample Analysis** **Batch Quality Control**

Project Name: TRURO DPW

Project Number: TRU2501.P2

Lab Number: L2441230

Report Date: 07/31/24

| Parameter                                                                                                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-02,05-10 Batch: WG1952275-2 WG1952275-3 |                  |      |                   |      |                     |     |      |               |
| Di-n-butylphthalate                                                                                          | 90               |      | 88                |      | 40-140              | 2   |      | 30            |
| Di-n-octylphthalate                                                                                          | 83               |      | 82                |      | 40-140              | 1   |      | 30            |
| Diethyl phthalate                                                                                            | 82               |      | 79                |      | 40-140              | 4   |      | 30            |
| Dimethyl phthalate                                                                                           | 74               |      | 72                |      | 40-140              | 3   |      | 30            |
| Benzo(a)anthracene                                                                                           | 71               |      | 69                |      | 40-140              | 3   |      | 30            |
| Benzo(a)pyrene                                                                                               | 80               |      | 78                |      | 40-140              | 3   |      | 30            |
| Benzo(b)fluoranthene                                                                                         | 80               |      | 79                |      | 40-140              | 1   |      | 30            |
| Benzo(k)fluoranthene                                                                                         | 79               |      | 76                |      | 40-140              | 4   |      | 30            |
| Chrysene                                                                                                     | 73               |      | 71                |      | 40-140              | 3   |      | 30            |
| Acenaphthylene                                                                                               | 76               |      | 73                |      | 40-140              | 4   |      | 30            |
| Anthracene                                                                                                   | 82               |      | 80                |      | 40-140              | 2   |      | 30            |
| Benzo(ghi)perylene                                                                                           | 76               |      | 74                |      | 40-140              | 3   |      | 30            |
| Fluorene                                                                                                     | 79               |      | 76                |      | 40-140              | 4   |      | 30            |
| Phenanthrene                                                                                                 | 79               |      | 77                |      | 40-140              | 3   |      | 30            |
| Dibenzo(a,h)anthracene                                                                                       | 77               |      | 76                |      | 40-140              | 1   |      | 30            |
| Indeno(1,2,3-cd)pyrene                                                                                       | 77               |      | 76                |      | 40-140              | 1   |      | 30            |
| Pyrene                                                                                                       | 84               |      | 81                |      | 40-140              | 4   |      | 30            |
| Aniline                                                                                                      | 56               |      | 53                |      | 40-140              | 6   |      | 30            |
| 4-Chloroaniline                                                                                              | 59               |      | 58                |      | 40-140              | 2   |      | 30            |
| Dibenzofuran                                                                                                 | 78               |      | 75                |      | 40-140              | 4   |      | 30            |
| 2-Methylnaphthalene                                                                                          | 77               |      | 74                |      | 40-140              | 4   |      | 30            |
| Acetophenone                                                                                                 | 78               |      | 76                |      | 40-140              | 3   |      | 30            |
| 2,4,6-Trichlorophenol                                                                                        | 63               |      | 64                |      | 30-130              | 2   |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU2501.P2

Lab Number: L2441230

Report Date: 07/31/24

| Parameter                                                                                                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-02,05-10 Batch: WG1952275-2 WG1952275-3 |                  |      |                   |      |                     |     |      |               |
| 2-Chlorophenol                                                                                               | 75               |      | 74                |      | 30-130              | 1   |      | 30            |
| 2,4-Dichlorophenol                                                                                           | 67               |      | 69                |      | 30-130              | 3   |      | 30            |
| 2,4-Dimethylphenol                                                                                           | 65               |      | 65                |      | 30-130              | 0   |      | 30            |
| 2-Nitrophenol                                                                                                | 83               |      | 85                |      | 30-130              | 2   |      | 30            |
| 4-Nitrophenol                                                                                                | 62               |      | 64                |      | 30-130              | 3   |      | 30            |
| 2,4-Dinitrophenol                                                                                            | 40               |      | 43                |      | 30-130              | 7   |      | 30            |
| Pentachlorophenol                                                                                            | 62               |      | 65                |      | 30-130              | 5   |      | 30            |
| Phenol                                                                                                       | 79               |      | 76                |      | 30-130              | 4   |      | 30            |
| 2-Methylphenol                                                                                               | 79               |      | 78                |      | 30-130              | 1   |      | 30            |
| 3-Methylphenol/4-Methylphenol                                                                                | 78               |      | 77                |      | 30-130              | 1   |      | 30            |
| 2,4,5-Trichlorophenol                                                                                        | 61               |      | 62                |      | 30-130              | 2   |      | 30            |
| Biphenyl                                                                                                     | 75               |      | 72                |      | 40-140              | 4   |      | 30            |

| Surrogate            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|----------------------|------------------|------|-------------------|------|------------------------|
| 2-Fluorophenol       | 72               |      | 72                |      | 30-130                 |
| Phenol-d6            | 82               |      | 81                |      | 30-130                 |
| Nitrobenzene-d5      | 84               |      | 82                |      | 30-130                 |
| 2-Fluorobiphenyl     | 75               |      | 74                |      | 30-130                 |
| 2,4,6-Tribromophenol | 82               |      | 84                |      | 30-130                 |
| 4-Terphenyl-d14      | 91               |      | 89                |      | 30-130                 |

# **PETROLEUM HYDROCARBONS**

Project Name: TRURO DPW

Lab Number: L2441230

Project Number: TRU2501.P2

Report Date: 07/31/24

## SAMPLE RESULTS

Lab ID: L2441230-01

Date Collected: 07/19/24 09:15

Client ID: SB-1 (2-4)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 131, VPH-18-2.1

Analytical Date: 07/25/24 14:30

Analyst: BAD

Percent Solids: 98%

Trap: EST, Carboxen B/Carboxen 1000&amp;1001

Analytical Column: Restek, RTX-502.2,  
105m, 0.53ID, 3um

## Quality Control Information

Condition of sample received:

Satisfactory

Sample Temperature upon receipt:

Received on Ice

Were samples received in methanol?

Covering the Soil

Methanol ratio:

1:1.3

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

## Volatile Petroleum Hydrocarbons - Westborough Lab

|                             |    |  |       |       |    |   |
|-----------------------------|----|--|-------|-------|----|---|
| C5-C8 Aliphatics            | ND |  | mg/kg | 3.89  | -- | 1 |
| C9-C12 Aliphatics           | ND |  | mg/kg | 3.89  | -- | 1 |
| C9-C10 Aromatics            | ND |  | mg/kg | 3.89  | -- | 1 |
| C5-C8 Aliphatics, Adjusted  | ND |  | mg/kg | 3.89  | -- | 1 |
| C9-C12 Aliphatics, Adjusted | ND |  | mg/kg | 3.89  | -- | 1 |
| Benzene                     | ND |  | mg/kg | 0.078 | -- | 1 |
| Toluene                     | ND |  | mg/kg | 0.078 | -- | 1 |
| Ethylbenzene                | ND |  | mg/kg | 0.078 | -- | 1 |
| p/m-Xylene                  | ND |  | mg/kg | 0.078 | -- | 1 |
| o-Xylene                    | ND |  | mg/kg | 0.078 | -- | 1 |
| Methyl tert butyl ether     | ND |  | mg/kg | 0.039 | -- | 1 |
| Naphthalene                 | ND |  | mg/kg | 0.156 | -- | 1 |

| Surrogate              | % Recovery | Qualifier | Acceptance Criteria |
|------------------------|------------|-----------|---------------------|
| 2,5-Dibromotoluene-PID | 259        | Q         | 70-130              |
| 2,5-Dibromotoluene-FID | 232        | Q         | 70-130              |



**Project Name:** TRURO DPW**Lab Number:** L2441230**Project Number:** TRU2501.P2**Report Date:** 07/31/24**SAMPLE RESULTS**

Lab ID: L2441230-01

Client ID: SB-1 (2-4)

Sample Location: TRURO, MA

Date Collected: 07/19/24 09:15

Date Received: 07/23/24

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 135,EPH-19-2.1

Analytical Date: 07/30/24 10:55

Analyst: ALL

Percent Solids: 98%

Extraction Method: EPA 3546

Extraction Date: 07/28/24 08:34

Cleanup Method1: EPH-19-2.1

Cleanup Date1: 07/29/24

**Quality Control Information**

Condition of sample received:

Satisfactory

Sample Temperature upon receipt:

Received on Ice

Sample Extraction method:

Extracted Per the Method

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

**Extractable Petroleum Hydrocarbons - Westborough Lab**

|                             |    |  |       |      |    |   |
|-----------------------------|----|--|-------|------|----|---|
| C9-C18 Aliphatics           | ND |  | mg/kg | 6.57 | -- | 1 |
| C19-C36 Aliphatics          | ND |  | mg/kg | 6.57 | -- | 1 |
| C11-C22 Aromatics           | ND |  | mg/kg | 6.57 | -- | 1 |
| C11-C22 Aromatics, Adjusted | ND |  | mg/kg | 6.57 | -- | 1 |

| Surrogate          | % Recovery | Qualifier | Acceptance Criteria |
|--------------------|------------|-----------|---------------------|
| Chloro-Octadecane  | 55         |           | 40-140              |
| o-Terphenyl        | 49         |           | 40-140              |
| 2-Fluorobiphenyl   | 56         |           | 40-140              |
| 2-Bromonaphthalene | 57         |           | 40-140              |



**Project Name:** TRURO DPW**Lab Number:** L2441230**Project Number:** TRU2501.P2**Report Date:** 07/31/24**SAMPLE RESULTS**

Lab ID: L2441230-02

Date Collected: 07/19/24 09:40

Client ID: SB-2 (4-6)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 131, VPH-18-2.1

Analytical Date: 07/25/24 15:00

Analyst: BAD

Percent Solids: 97%

Trap: EST, Carboxen B/Carboxen 1000&amp;1001

Analytical Column: Restek, RTX-502.2,  
105m, 0.53ID, 3um**Quality Control Information**

Condition of sample received:

Satisfactory

Sample Temperature upon receipt:

Received on Ice

Were samples received in methanol?

Covering the Soil

Methanol ratio:

1:1 +/- 25%

| Parameter                                                | Result | Qualifier | Units | RL    | MDL | Dilution Factor |
|----------------------------------------------------------|--------|-----------|-------|-------|-----|-----------------|
| <b>Volatile Petroleum Hydrocarbons - Westborough Lab</b> |        |           |       |       |     |                 |
| C5-C8 Aliphatics                                         | ND     |           | mg/kg | 5.66  | --  | 1               |
| C9-C12 Aliphatics                                        | ND     |           | mg/kg | 5.66  | --  | 1               |
| C9-C10 Aromatics                                         | ND     |           | mg/kg | 5.66  | --  | 1               |
| C5-C8 Aliphatics, Adjusted                               | ND     |           | mg/kg | 5.66  | --  | 1               |
| C9-C12 Aliphatics, Adjusted                              | ND     |           | mg/kg | 5.66  | --  | 1               |
| Benzene                                                  | ND     |           | mg/kg | 0.113 | --  | 1               |
| Toluene                                                  | ND     |           | mg/kg | 0.113 | --  | 1               |
| Ethylbenzene                                             | ND     |           | mg/kg | 0.113 | --  | 1               |
| p/m-Xylene                                               | ND     |           | mg/kg | 0.113 | --  | 1               |
| o-Xylene                                                 | ND     |           | mg/kg | 0.113 | --  | 1               |
| Methyl tert butyl ether                                  | ND     |           | mg/kg | 0.057 | --  | 1               |
| Naphthalene                                              | ND     |           | mg/kg | 0.226 | --  | 1               |

| Surrogate              | % Recovery | Qualifier | Acceptance Criteria |
|------------------------|------------|-----------|---------------------|
| 2,5-Dibromotoluene-PID | 150        | Q         | 70-130              |
| 2,5-Dibromotoluene-FID | 134        | Q         | 70-130              |



**Project Name:** TRURO DPW**Lab Number:** L2441230**Project Number:** TRU2501.P2**Report Date:** 07/31/24**SAMPLE RESULTS**

Lab ID: L2441230-02

Client ID: SB-2 (4-6)

Sample Location: TRURO, MA

Date Collected: 07/19/24 09:40

Date Received: 07/23/24

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 135,EPH-19-2.1

Analytical Date: 07/30/24 12:04

Analyst: MTC

Percent Solids: 97%

Extraction Method: EPA 3546

Extraction Date: 07/28/24 08:34

Cleanup Method1: EPH-19-2.1

Cleanup Date1: 07/29/24

**Quality Control Information**

Condition of sample received:

Satisfactory

Sample Temperature upon receipt:

Received on Ice

Sample Extraction method:

Extracted Per the Method

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

**Extractable Petroleum Hydrocarbons - Westborough Lab**

|                             |    |  |       |      |    |   |
|-----------------------------|----|--|-------|------|----|---|
| C9-C18 Aliphatics           | ND |  | mg/kg | 6.75 | -- | 1 |
| C19-C36 Aliphatics          | ND |  | mg/kg | 6.75 | -- | 1 |
| C11-C22 Aromatics           | ND |  | mg/kg | 6.75 | -- | 1 |
| C11-C22 Aromatics, Adjusted | ND |  | mg/kg | 6.75 | -- | 1 |

| Surrogate          | % Recovery | Qualifier | Acceptance Criteria |
|--------------------|------------|-----------|---------------------|
| Chloro-Octadecane  | 67         |           | 40-140              |
| o-Terphenyl        | 62         |           | 40-140              |
| 2-Fluorobiphenyl   | 67         |           | 40-140              |
| 2-Bromonaphthalene | 71         |           | 40-140              |

Project Name: TRURO DPW

Lab Number: L2441230

Project Number: TRU2501.P2

Report Date: 07/31/24

## SAMPLE RESULTS

Lab ID: L2441230-03

Date Collected: 07/19/24 10:15

Client ID: SB-6 (2-4)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 131, VPH-18-2.1

Analytical Date: 07/25/24 15:30

Analyst: BAD

Percent Solids: 99%

Trap: EST, Carboxen B/Carboxen 1000&amp;1001

Analytical Column: Restek, RTX-502.2,  
105m, 0.53ID, 3um

## Quality Control Information

Condition of sample received:

Satisfactory

Sample Temperature upon receipt:

Received on Ice

Were samples received in methanol?

Covering the Soil

Methanol ratio:

1:1 +/- 25%

| Parameter                                                | Result | Qualifier | Units | RL    | MDL | Dilution Factor |
|----------------------------------------------------------|--------|-----------|-------|-------|-----|-----------------|
| <b>Volatile Petroleum Hydrocarbons - Westborough Lab</b> |        |           |       |       |     |                 |
| C5-C8 Aliphatics                                         | ND     |           | mg/kg | 5.34  | --  | 1               |
| C9-C12 Aliphatics                                        | ND     |           | mg/kg | 5.34  | --  | 1               |
| C9-C10 Aromatics                                         | ND     |           | mg/kg | 5.34  | --  | 1               |
| C5-C8 Aliphatics, Adjusted                               | ND     |           | mg/kg | 5.34  | --  | 1               |
| C9-C12 Aliphatics, Adjusted                              | ND     |           | mg/kg | 5.34  | --  | 1               |
| Benzene                                                  | ND     |           | mg/kg | 0.107 | --  | 1               |
| Toluene                                                  | ND     |           | mg/kg | 0.107 | --  | 1               |
| Ethylbenzene                                             | ND     |           | mg/kg | 0.107 | --  | 1               |
| p/m-Xylene                                               | ND     |           | mg/kg | 0.107 | --  | 1               |
| o-Xylene                                                 | ND     |           | mg/kg | 0.107 | --  | 1               |
| Methyl tert butyl ether                                  | ND     |           | mg/kg | 0.053 | --  | 1               |
| Naphthalene                                              | ND     |           | mg/kg | 0.213 | --  | 1               |

| Surrogate              | % Recovery | Qualifier | Acceptance Criteria |
|------------------------|------------|-----------|---------------------|
| 2,5-Dibromotoluene-PID | 141        | Q         | 70-130              |
| 2,5-Dibromotoluene-FID | 126        |           | 70-130              |





**Project Name:** TRURO DPW**Lab Number:** L2441230**Project Number:** TRU2501.P2**Report Date:** 07/31/24**SAMPLE RESULTS**

Lab ID: L2441230-03

Client ID: SB-6 (2-4)

Sample Location: TRURO, MA

Date Collected: 07/19/24 10:15

Date Received: 07/23/24

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 135,EPH-19-2.1

Analytical Date: 07/30/24 11:20

Analyst: ALL

Percent Solids: 99%

Extraction Method: EPA 3546

Extraction Date: 07/28/24 08:34

Cleanup Method1: EPH-19-2.1

Cleanup Date1: 07/29/24

**Quality Control Information**

Condition of sample received:

Satisfactory

Sample Temperature upon receipt:

Received on Ice

Sample Extraction method:

Extracted Per the Method

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

**Extractable Petroleum Hydrocarbons - Westborough Lab**

|                             |    |  |       |       |    |   |
|-----------------------------|----|--|-------|-------|----|---|
| C9-C18 Aliphatics           | ND |  | mg/kg | 6.69  | -- | 1 |
| C19-C36 Aliphatics          | ND |  | mg/kg | 6.69  | -- | 1 |
| C11-C22 Aromatics           | ND |  | mg/kg | 6.69  | -- | 1 |
| C11-C22 Aromatics, Adjusted | ND |  | mg/kg | 6.69  | -- | 1 |
| Naphthalene                 | ND |  | mg/kg | 0.334 | -- | 1 |
| 2-Methylnaphthalene         | ND |  | mg/kg | 0.334 | -- | 1 |
| Acenaphthylene              | ND |  | mg/kg | 0.334 | -- | 1 |
| Acenaphthene                | ND |  | mg/kg | 0.334 | -- | 1 |
| Fluorene                    | ND |  | mg/kg | 0.334 | -- | 1 |
| Phenanthrene                | ND |  | mg/kg | 0.334 | -- | 1 |
| Anthracene                  | ND |  | mg/kg | 0.334 | -- | 1 |
| Fluoranthene                | ND |  | mg/kg | 0.334 | -- | 1 |
| Pyrene                      | ND |  | mg/kg | 0.334 | -- | 1 |
| Benzo(a)anthracene          | ND |  | mg/kg | 0.334 | -- | 1 |
| Chrysene                    | ND |  | mg/kg | 0.334 | -- | 1 |
| Benzo(b)fluoranthene        | ND |  | mg/kg | 0.334 | -- | 1 |
| Benzo(k)fluoranthene        | ND |  | mg/kg | 0.334 | -- | 1 |
| Benzo(a)pyrene              | ND |  | mg/kg | 0.334 | -- | 1 |
| Indeno(1,2,3-cd)Pyrene      | ND |  | mg/kg | 0.334 | -- | 1 |
| Dibenzo(a,h)anthracene      | ND |  | mg/kg | 0.334 | -- | 1 |
| Benzo(ghi)perylene          | ND |  | mg/kg | 0.334 | -- | 1 |



Project Name: TRURO DPW

Lab Number: L2441230

Project Number: TRU2501.P2

Report Date: 07/31/24

## SAMPLE RESULTS

Lab ID: L2441230-03

Date Collected: 07/19/24 10:15

Client ID: SB-6 (2-4)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

## Extractable Petroleum Hydrocarbons - Westborough Lab

| Surrogate          | % Recovery | Qualifier | Acceptance Criteria |
|--------------------|------------|-----------|---------------------|
| Chloro-Octadecane  | 53         |           | 40-140              |
| o-Terphenyl        | 48         |           | 40-140              |
| 2-Fluorobiphenyl   | 58         |           | 40-140              |
| 2-Bromonaphthalene | 59         |           | 40-140              |

Project Name: TRURO DPW

Lab Number: L2441230

Project Number: TRU2501.P2

Report Date: 07/31/24

## SAMPLE RESULTS

Lab ID: L2441230-04

Date Collected: 07/19/24 12:30

Client ID: SB-7 (2-4)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 131, VPH-18-2.1

Analytical Date: 07/25/24 16:00

Analyst: BAD

Percent Solids: 98%

Trap: EST, Carboxen B/Carboxen 1000&amp;1001

Analytical Column: Restek, RTX-502.2,  
105m, 0.53ID, 3um

## Quality Control Information

Condition of sample received:

Satisfactory

Sample Temperature upon receipt:

Received on Ice

Were samples received in methanol?

Covering the Soil

Methanol ratio:

1:1 +/- 25%

| Parameter                                                | Result | Qualifier | Units | RL    | MDL | Dilution Factor |
|----------------------------------------------------------|--------|-----------|-------|-------|-----|-----------------|
| <b>Volatile Petroleum Hydrocarbons - Westborough Lab</b> |        |           |       |       |     |                 |
| C5-C8 Aliphatics                                         | ND     |           | mg/kg | 5.97  | --  | 1               |
| C9-C12 Aliphatics                                        | ND     |           | mg/kg | 5.97  | --  | 1               |
| C9-C10 Aromatics                                         | ND     |           | mg/kg | 5.97  | --  | 1               |
| C5-C8 Aliphatics, Adjusted                               | ND     |           | mg/kg | 5.97  | --  | 1               |
| C9-C12 Aliphatics, Adjusted                              | ND     |           | mg/kg | 5.97  | --  | 1               |
| Benzene                                                  | ND     |           | mg/kg | 0.119 | --  | 1               |
| Toluene                                                  | ND     |           | mg/kg | 0.119 | --  | 1               |
| Ethylbenzene                                             | ND     |           | mg/kg | 0.119 | --  | 1               |
| p/m-Xylene                                               | ND     |           | mg/kg | 0.119 | --  | 1               |
| o-Xylene                                                 | ND     |           | mg/kg | 0.119 | --  | 1               |
| Methyl tert butyl ether                                  | ND     |           | mg/kg | 0.060 | --  | 1               |
| Naphthalene                                              | ND     |           | mg/kg | 0.239 | --  | 1               |

| Surrogate              | % Recovery | Qualifier | Acceptance Criteria |
|------------------------|------------|-----------|---------------------|
| 2,5-Dibromotoluene-PID | 135        | Q         | 70-130              |
| 2,5-Dibromotoluene-FID | 122        |           | 70-130              |



**Project Name:** TRURO DPW**Lab Number:** L2441230**Project Number:** TRU2501.P2**Report Date:** 07/31/24**SAMPLE RESULTS**

Lab ID: L2441230-04

Client ID: SB-7 (2-4)

Sample Location: TRURO, MA

Date Collected: 07/19/24 12:30

Date Received: 07/23/24

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 135,EPH-19-2.1

Analytical Date: 07/30/24 09:34

Analyst: ALL

Percent Solids: 98%

Extraction Method: EPA 3546

Extraction Date: 07/28/24 08:34

Cleanup Method1: EPH-19-2.1

Cleanup Date1: 07/29/24

**Quality Control Information**

Condition of sample received:

Satisfactory

Sample Temperature upon receipt:

Received on Ice

Sample Extraction method:

Extracted Per the Method

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

**Extractable Petroleum Hydrocarbons - Westborough Lab**

|                             |      |  |       |       |    |   |
|-----------------------------|------|--|-------|-------|----|---|
| C9-C18 Aliphatics           | ND   |  | mg/kg | 6.61  | -- | 1 |
| C19-C36 Aliphatics          | 37.8 |  | mg/kg | 6.61  | -- | 1 |
| C11-C22 Aromatics           | 11.7 |  | mg/kg | 6.61  | -- | 1 |
| C11-C22 Aromatics, Adjusted | 11.7 |  | mg/kg | 6.61  | -- | 1 |
| Naphthalene                 | ND   |  | mg/kg | 0.330 | -- | 1 |
| 2-Methylnaphthalene         | ND   |  | mg/kg | 0.330 | -- | 1 |
| Acenaphthylene              | ND   |  | mg/kg | 0.330 | -- | 1 |
| Acenaphthene                | ND   |  | mg/kg | 0.330 | -- | 1 |
| Fluorene                    | ND   |  | mg/kg | 0.330 | -- | 1 |
| Phenanthrene                | ND   |  | mg/kg | 0.330 | -- | 1 |
| Anthracene                  | ND   |  | mg/kg | 0.330 | -- | 1 |
| Fluoranthene                | ND   |  | mg/kg | 0.330 | -- | 1 |
| Pyrene                      | ND   |  | mg/kg | 0.330 | -- | 1 |
| Benzo(a)anthracene          | ND   |  | mg/kg | 0.330 | -- | 1 |
| Chrysene                    | ND   |  | mg/kg | 0.330 | -- | 1 |
| Benzo(b)fluoranthene        | ND   |  | mg/kg | 0.330 | -- | 1 |
| Benzo(k)fluoranthene        | ND   |  | mg/kg | 0.330 | -- | 1 |
| Benzo(a)pyrene              | ND   |  | mg/kg | 0.330 | -- | 1 |
| Indeno(1,2,3-cd)Pyrene      | ND   |  | mg/kg | 0.330 | -- | 1 |
| Dibenzo(a,h)anthracene      | ND   |  | mg/kg | 0.330 | -- | 1 |
| Benzo(ghi)perylene          | ND   |  | mg/kg | 0.330 | -- | 1 |



**Project Name:** TRURO DPW**Lab Number:** L2441230**Project Number:** TRU2501.P2**Report Date:** 07/31/24**SAMPLE RESULTS**

Lab ID: L2441230-04

Date Collected: 07/19/24 12:30

Client ID: SB-7 (2-4)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

**Extractable Petroleum Hydrocarbons - Westborough Lab**

| Surrogate          | % Recovery | Qualifier | Acceptance Criteria |
|--------------------|------------|-----------|---------------------|
| Chloro-Octadecane  | 61         |           | 40-140              |
| o-Terphenyl        | 64         |           | 40-140              |
| 2-Fluorobiphenyl   | 73         |           | 40-140              |
| 2-Bromonaphthalene | 74         |           | 40-140              |

**Project Name:** TRURO DPW**Lab Number:** L2441230**Project Number:** TRU2501.P2**Report Date:** 07/31/24**SAMPLE RESULTS**

Lab ID: L2441230-05

Date Collected: 07/19/24 12:05

Client ID: SB-8 (8-10)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 131, VPH-18-2.1

Analytical Date: 07/25/24 16:30

Analyst: BAD

Percent Solids: 97%

Trap: EST, Carboxen B/Carboxen 1000&amp;1001

Analytical Column: Restek, RTX-502.2,  
105m, 0.53ID, 3um**Quality Control Information**

Condition of sample received:

Satisfactory

Sample Temperature upon receipt:

Received on Ice

Were samples received in methanol?

Covering the Soil

Methanol ratio:

1.3:1

| Parameter                                                | Result | Qualifier | Units | RL    | MDL | Dilution Factor |
|----------------------------------------------------------|--------|-----------|-------|-------|-----|-----------------|
| <b>Volatile Petroleum Hydrocarbons - Westborough Lab</b> |        |           |       |       |     |                 |
| C5-C8 Aliphatics                                         | ND     |           | mg/kg | 6.67  | --  | 1               |
| C9-C12 Aliphatics                                        | ND     |           | mg/kg | 6.67  | --  | 1               |
| C9-C10 Aromatics                                         | ND     |           | mg/kg | 6.67  | --  | 1               |
| C5-C8 Aliphatics, Adjusted                               | ND     |           | mg/kg | 6.67  | --  | 1               |
| C9-C12 Aliphatics, Adjusted                              | ND     |           | mg/kg | 6.67  | --  | 1               |
| Benzene                                                  | ND     |           | mg/kg | 0.133 | --  | 1               |
| Toluene                                                  | ND     |           | mg/kg | 0.133 | --  | 1               |
| Ethylbenzene                                             | ND     |           | mg/kg | 0.133 | --  | 1               |
| p/m-Xylene                                               | ND     |           | mg/kg | 0.133 | --  | 1               |
| o-Xylene                                                 | ND     |           | mg/kg | 0.133 | --  | 1               |
| Methyl tert butyl ether                                  | ND     |           | mg/kg | 0.067 | --  | 1               |
| Naphthalene                                              | ND     |           | mg/kg | 0.267 | --  | 1               |

| Surrogate              | % Recovery | Qualifier | Acceptance Criteria |
|------------------------|------------|-----------|---------------------|
| 2,5-Dibromotoluene-PID | 128        |           | 70-130              |
| 2,5-Dibromotoluene-FID | 115        |           | 70-130              |



**Project Name:** TRURO DPW**Lab Number:** L2441230**Project Number:** TRU2501.P2**Report Date:** 07/31/24**SAMPLE RESULTS**

Lab ID: L2441230-05

Client ID: SB-8 (8-10)

Sample Location: TRURO, MA

Date Collected: 07/19/24 12:05

Date Received: 07/23/24

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 135,EPH-19-2.1

Analytical Date: 07/30/24 10:09

Analyst: ALL

Percent Solids: 97%

Extraction Method: EPA 3546

Extraction Date: 07/28/24 08:34

Cleanup Method1: EPH-19-2.1

Cleanup Date1: 07/29/24

**Quality Control Information**

Condition of sample received:

Satisfactory

Sample Temperature upon receipt:

Received on Ice

Sample Extraction method:

Extracted Per the Method

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

**Extractable Petroleum Hydrocarbons - Westborough Lab**

|                             |      |  |       |      |    |   |
|-----------------------------|------|--|-------|------|----|---|
| C9-C18 Aliphatics           | ND   |  | mg/kg | 6.62 | -- | 1 |
| C19-C36 Aliphatics          | 49.2 |  | mg/kg | 6.62 | -- | 1 |
| C11-C22 Aromatics           | 18.1 |  | mg/kg | 6.62 | -- | 1 |
| C11-C22 Aromatics, Adjusted | 18.1 |  | mg/kg | 6.62 | -- | 1 |

| Surrogate          | % Recovery | Qualifier | Acceptance Criteria |
|--------------------|------------|-----------|---------------------|
| Chloro-Octadecane  | 60         |           | 40-140              |
| o-Terphenyl        | 71         |           | 40-140              |
| 2-Fluorobiphenyl   | 80         |           | 40-140              |
| 2-Bromonaphthalene | 80         |           | 40-140              |

**Project Name:** TRURO DPW**Lab Number:** L2441230**Project Number:** TRU2501.P2**Report Date:** 07/31/24**SAMPLE RESULTS**

Lab ID: L2441230-06

Date Collected: 07/19/24 11:45

Client ID: SB-9 (6-8)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 131, VPH-18-2.1

Analytical Date: 07/25/24 17:00

Analyst: BAD

Percent Solids: 97%

Trap: EST, Carboxen B/Carboxen 1000&amp;1001

Analytical Column: Restek, RTX-502.2,  
105m, 0.53ID, 3um**Quality Control Information**

Condition of sample received:

Satisfactory

Sample Temperature upon receipt:

Received on Ice

Were samples received in methanol?

Covering the Soil

Methanol ratio:

1:1 +/- 25%

| Parameter                                                | Result | Qualifier | Units | RL    | MDL | Dilution Factor |
|----------------------------------------------------------|--------|-----------|-------|-------|-----|-----------------|
| <b>Volatile Petroleum Hydrocarbons - Westborough Lab</b> |        |           |       |       |     |                 |
| C5-C8 Aliphatics                                         | ND     |           | mg/kg | 5.67  | --  | 1               |
| C9-C12 Aliphatics                                        | ND     |           | mg/kg | 5.67  | --  | 1               |
| C9-C10 Aromatics                                         | ND     |           | mg/kg | 5.67  | --  | 1               |
| C5-C8 Aliphatics, Adjusted                               | ND     |           | mg/kg | 5.67  | --  | 1               |
| C9-C12 Aliphatics, Adjusted                              | ND     |           | mg/kg | 5.67  | --  | 1               |
| Benzene                                                  | ND     |           | mg/kg | 0.113 | --  | 1               |
| Toluene                                                  | ND     |           | mg/kg | 0.113 | --  | 1               |
| Ethylbenzene                                             | ND     |           | mg/kg | 0.113 | --  | 1               |
| p/m-Xylene                                               | ND     |           | mg/kg | 0.113 | --  | 1               |
| o-Xylene                                                 | ND     |           | mg/kg | 0.113 | --  | 1               |
| Methyl tert butyl ether                                  | ND     |           | mg/kg | 0.057 | --  | 1               |
| Naphthalene                                              | ND     |           | mg/kg | 0.227 | --  | 1               |

| Surrogate              | % Recovery | Qualifier | Acceptance Criteria |
|------------------------|------------|-----------|---------------------|
| 2,5-Dibromotoluene-PID | 122        |           | 70-130              |
| 2,5-Dibromotoluene-FID | 110        |           | 70-130              |





**Project Name:** TRURO DPW**Lab Number:** L2441230**Project Number:** TRU2501.P2**Report Date:** 07/31/24**SAMPLE RESULTS**

Lab ID: L2441230-06

Client ID: SB-9 (6-8)

Sample Location: TRURO, MA

Date Collected: 07/19/24 11:45

Date Received: 07/23/24

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 135,EPH-19-2.1

Analytical Date: 07/30/24 11:39

Analyst: MTC

Percent Solids: 97%

Extraction Method: EPA 3546

Extraction Date: 07/28/24 08:34

Cleanup Method1: EPH-19-2.1

Cleanup Date1: 07/29/24

**Quality Control Information**

Condition of sample received:

Satisfactory

Sample Temperature upon receipt:

Received on Ice

Sample Extraction method:

Extracted Per the Method

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

**Extractable Petroleum Hydrocarbons - Westborough Lab**

|                             |      |  |       |      |    |   |
|-----------------------------|------|--|-------|------|----|---|
| C9-C18 Aliphatics           | ND   |  | mg/kg | 6.60 | -- | 1 |
| C19-C36 Aliphatics          | ND   |  | mg/kg | 6.60 | -- | 1 |
| C11-C22 Aromatics           | 6.92 |  | mg/kg | 6.60 | -- | 1 |
| C11-C22 Aromatics, Adjusted | 6.92 |  | mg/kg | 6.60 | -- | 1 |

| Surrogate          | % Recovery | Qualifier | Acceptance Criteria |
|--------------------|------------|-----------|---------------------|
| Chloro-Octadecane  | 69         |           | 40-140              |
| o-Terphenyl        | 63         |           | 40-140              |
| 2-Fluorobiphenyl   | 73         |           | 40-140              |
| 2-Bromonaphthalene | 76         |           | 40-140              |



Project Name: TRURO DPW

Lab Number: L2441230

Project Number: TRU2501.P2

Report Date: 07/31/24

## SAMPLE RESULTS

Lab ID: L2441230-07

Date Collected: 07/19/24 12:15

Client ID: SB-10 (4-6)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 131, VPH-18-2.1

Analytical Date: 07/25/24 17:30

Analyst: BAD

Percent Solids: 99%

Trap: EST, Carboxen B/Carboxen 1000&amp;1001

Analytical Column: Restek, RTX-502.2,  
105m, 0.53ID, 3um

## Quality Control Information

Condition of sample received:

Satisfactory

Sample Temperature upon receipt:

Received on Ice

Were samples received in methanol?

Covering the Soil

Methanol ratio:

1:1 +/- 25%

| Parameter                                                | Result | Qualifier | Units | RL    | MDL | Dilution Factor |
|----------------------------------------------------------|--------|-----------|-------|-------|-----|-----------------|
| <b>Volatile Petroleum Hydrocarbons - Westborough Lab</b> |        |           |       |       |     |                 |
| C5-C8 Aliphatics                                         | ND     |           | mg/kg | 5.77  | --  | 1               |
| C9-C12 Aliphatics                                        | ND     |           | mg/kg | 5.77  | --  | 1               |
| C9-C10 Aromatics                                         | ND     |           | mg/kg | 5.77  | --  | 1               |
| C5-C8 Aliphatics, Adjusted                               | ND     |           | mg/kg | 5.77  | --  | 1               |
| C9-C12 Aliphatics, Adjusted                              | ND     |           | mg/kg | 5.77  | --  | 1               |
| Benzene                                                  | ND     |           | mg/kg | 0.115 | --  | 1               |
| Toluene                                                  | ND     |           | mg/kg | 0.115 | --  | 1               |
| Ethylbenzene                                             | ND     |           | mg/kg | 0.115 | --  | 1               |
| p/m-Xylene                                               | ND     |           | mg/kg | 0.115 | --  | 1               |
| o-Xylene                                                 | ND     |           | mg/kg | 0.115 | --  | 1               |
| Methyl tert butyl ether                                  | ND     |           | mg/kg | 0.058 | --  | 1               |
| Naphthalene                                              | ND     |           | mg/kg | 0.231 | --  | 1               |

| Surrogate              | % Recovery | Qualifier | Acceptance Criteria |
|------------------------|------------|-----------|---------------------|
| 2,5-Dibromotoluene-PID | 119        |           | 70-130              |
| 2,5-Dibromotoluene-FID | 106        |           | 70-130              |



**Project Name:** TRURO DPW**Lab Number:** L2441230**Project Number:** TRU2501.P2**Report Date:** 07/31/24**SAMPLE RESULTS**

Lab ID: L2441230-07

Client ID: SB-10 (4-6)

Sample Location: TRURO, MA

Date Collected: 07/19/24 12:15

Date Received: 07/23/24

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 135,EPH-19-2.1

Analytical Date: 07/30/24 11:54

Analyst: ALL

Percent Solids: 99%

Extraction Method: EPA 3546

Extraction Date: 07/28/24 08:34

Cleanup Method1: EPH-19-2.1

Cleanup Date1: 07/29/24

**Quality Control Information**

Condition of sample received:

Satisfactory

Sample Temperature upon receipt:

Received on Ice

Sample Extraction method:

Extracted Per the Method

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

**Extractable Petroleum Hydrocarbons - Westborough Lab**

|                             |      |  |       |      |    |   |
|-----------------------------|------|--|-------|------|----|---|
| C9-C18 Aliphatics           | 12.4 |  | mg/kg | 6.50 | -- | 1 |
| C19-C36 Aliphatics          | 31.4 |  | mg/kg | 6.50 | -- | 1 |
| C11-C22 Aromatics           | 25.2 |  | mg/kg | 6.50 | -- | 1 |
| C11-C22 Aromatics, Adjusted | 24.2 |  | mg/kg | 6.50 | -- | 1 |

| Surrogate          | % Recovery | Qualifier | Acceptance Criteria |
|--------------------|------------|-----------|---------------------|
| Chloro-Octadecane  | 69         |           | 40-140              |
| o-Terphenyl        | 71         |           | 40-140              |
| 2-Fluorobiphenyl   | 77         |           | 40-140              |
| 2-Bromonaphthalene | 76         |           | 40-140              |



Project Name: TRURO DPW

Lab Number: L2441230

Project Number: TRU2501.P2

Report Date: 07/31/24

## SAMPLE RESULTS

Lab ID: L2441230-08  
 Client ID: SB-11 (10-12)  
 Sample Location: TRURO, MA

Date Collected: 07/19/24 11:20  
 Date Received: 07/23/24  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 131, VPH-18-2.1  
 Analytical Date: 07/25/24 18:00  
 Analyst: BAD  
 Percent Solids: 97%

Trap: EST, Carboxen B/Carboxen 1000&amp;1001

Analytical Column: Restek, RTX-502.2, 105m, 0.53ID, 3um

## Quality Control Information

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Were samples received in methanol? Covering the Soil  
 Methanol ratio: 1:1 +/- 25%

| Parameter                                                | Result | Qualifier | Units | RL    | MDL | Dilution Factor |
|----------------------------------------------------------|--------|-----------|-------|-------|-----|-----------------|
| <b>Volatile Petroleum Hydrocarbons - Westborough Lab</b> |        |           |       |       |     |                 |
| C5-C8 Aliphatics                                         | ND     |           | mg/kg | 6.06  | --  | 1               |
| C9-C12 Aliphatics                                        | ND     |           | mg/kg | 6.06  | --  | 1               |
| C9-C10 Aromatics                                         | ND     |           | mg/kg | 6.06  | --  | 1               |
| C5-C8 Aliphatics, Adjusted                               | ND     |           | mg/kg | 6.06  | --  | 1               |
| C9-C12 Aliphatics, Adjusted                              | ND     |           | mg/kg | 6.06  | --  | 1               |
| Benzene                                                  | ND     |           | mg/kg | 0.121 | --  | 1               |
| Toluene                                                  | ND     |           | mg/kg | 0.121 | --  | 1               |
| Ethylbenzene                                             | ND     |           | mg/kg | 0.121 | --  | 1               |
| p/m-Xylene                                               | ND     |           | mg/kg | 0.121 | --  | 1               |
| o-Xylene                                                 | ND     |           | mg/kg | 0.121 | --  | 1               |
| Methyl tert butyl ether                                  | ND     |           | mg/kg | 0.061 | --  | 1               |
| Naphthalene                                              | ND     |           | mg/kg | 0.242 | --  | 1               |

| Surrogate              | % Recovery | Qualifier | Acceptance Criteria |
|------------------------|------------|-----------|---------------------|
| 2,5-Dibromotoluene-PID | 112        |           | 70-130              |
| 2,5-Dibromotoluene-FID | 100        |           | 70-130              |



**Project Name:** TRURO DPW**Lab Number:** L2441230**Project Number:** TRU2501.P2**Report Date:** 07/31/24**SAMPLE RESULTS**

Lab ID: L2441230-08  
 Client ID: SB-11 (10-12)  
 Sample Location: TRURO, MA

Date Collected: 07/19/24 11:20  
 Date Received: 07/23/24  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 135,EPH-19-2.1  
 Analytical Date: 07/30/24 11:19  
 Analyst: ALL  
 Percent Solids: 97%

Extraction Method: EPA 3546  
 Extraction Date: 07/28/24 08:34  
 Cleanup Method1: EPH-19-2.1  
 Cleanup Date1: 07/29/24

**Quality Control Information**

Condition of sample received: Satisfactory  
 Sample Temperature upon receipt: Received on Ice  
 Sample Extraction method: Extracted Per the Method

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

**Extractable Petroleum Hydrocarbons - Westborough Lab**

|                             |      |  |       |      |    |   |
|-----------------------------|------|--|-------|------|----|---|
| C9-C18 Aliphatics           | ND   |  | mg/kg | 6.53 | -- | 1 |
| C19-C36 Aliphatics          | 22.5 |  | mg/kg | 6.53 | -- | 1 |
| C11-C22 Aromatics           | 35.1 |  | mg/kg | 6.53 | -- | 1 |
| C11-C22 Aromatics, Adjusted | 27.9 |  | mg/kg | 6.53 | -- | 1 |

| Surrogate          | % Recovery | Qualifier | Acceptance Criteria |
|--------------------|------------|-----------|---------------------|
| Chloro-Octadecane  | 63         |           | 40-140              |
| o-Terphenyl        | 63         |           | 40-140              |
| 2-Fluorobiphenyl   | 71         |           | 40-140              |
| 2-Bromonaphthalene | 70         |           | 40-140              |



Project Name: TRURO DPW

Lab Number: L2441230

Project Number: TRU2501.P2

Report Date: 07/31/24

## SAMPLE RESULTS

Lab ID: L2441230-09

Date Collected: 07/19/24 13:00

Client ID: SB-12 (16-18)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 131, VPH-18-2.1

Analytical Date: 07/25/24 18:29

Analyst: BAD

Percent Solids: 97%

Trap: EST, Carboxen B/Carboxen 1000&amp;1001

Analytical Column: Restek, RTX-502.2,  
105m, 0.53ID, 3um

## Quality Control Information

Condition of sample received:

Satisfactory

Sample Temperature upon receipt:

Received on Ice

Were samples received in methanol?

Covering the Soil

Methanol ratio:

1:1 +/- 25%

| Parameter                                                | Result | Qualifier | Units | RL    | MDL | Dilution Factor |
|----------------------------------------------------------|--------|-----------|-------|-------|-----|-----------------|
| <b>Volatile Petroleum Hydrocarbons - Westborough Lab</b> |        |           |       |       |     |                 |
| C5-C8 Aliphatics                                         | ND     |           | mg/kg | 6.26  | --  | 1               |
| C9-C12 Aliphatics                                        | ND     |           | mg/kg | 6.26  | --  | 1               |
| C9-C10 Aromatics                                         | ND     |           | mg/kg | 6.26  | --  | 1               |
| C5-C8 Aliphatics, Adjusted                               | ND     |           | mg/kg | 6.26  | --  | 1               |
| C9-C12 Aliphatics, Adjusted                              | ND     |           | mg/kg | 6.26  | --  | 1               |
| Benzene                                                  | ND     |           | mg/kg | 0.125 | --  | 1               |
| Toluene                                                  | ND     |           | mg/kg | 0.125 | --  | 1               |
| Ethylbenzene                                             | ND     |           | mg/kg | 0.125 | --  | 1               |
| p/m-Xylene                                               | ND     |           | mg/kg | 0.125 | --  | 1               |
| o-Xylene                                                 | ND     |           | mg/kg | 0.125 | --  | 1               |
| Methyl tert butyl ether                                  | ND     |           | mg/kg | 0.063 | --  | 1               |
| Naphthalene                                              | ND     |           | mg/kg | 0.250 | --  | 1               |

| Surrogate              | % Recovery | Qualifier | Acceptance Criteria |
|------------------------|------------|-----------|---------------------|
| 2,5-Dibromotoluene-PID | 128        |           | 70-130              |
| 2,5-Dibromotoluene-FID | 115        |           | 70-130              |



**Project Name:** TRURO DPW**Lab Number:** L2441230**Project Number:** TRU2501.P2**Report Date:** 07/31/24**SAMPLE RESULTS**

Lab ID: L2441230-09

Client ID: SB-12 (16-18)

Sample Location: TRURO, MA

Date Collected: 07/19/24 13:00

Date Received: 07/23/24

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 135,EPH-19-2.1

Analytical Date: 07/30/24 10:44

Analyst: ALL

Percent Solids: 97%

Extraction Method: EPA 3546

Extraction Date: 07/28/24 08:34

Cleanup Method1: EPH-19-2.1

Cleanup Date1: 07/29/24

**Quality Control Information**

Condition of sample received:

Satisfactory

Sample Temperature upon receipt:

Received on Ice

Sample Extraction method:

Extracted Per the Method

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

**Extractable Petroleum Hydrocarbons - Westborough Lab**

|                             |      |  |       |      |    |   |
|-----------------------------|------|--|-------|------|----|---|
| C9-C18 Aliphatics           | 7.53 |  | mg/kg | 6.62 | -- | 1 |
| C19-C36 Aliphatics          | 22.2 |  | mg/kg | 6.62 | -- | 1 |
| C11-C22 Aromatics           | 22.9 |  | mg/kg | 6.62 | -- | 1 |
| C11-C22 Aromatics, Adjusted | 22.0 |  | mg/kg | 6.62 | -- | 1 |

| Surrogate          | % Recovery | Qualifier | Acceptance Criteria |
|--------------------|------------|-----------|---------------------|
| Chloro-Octadecane  | 59         |           | 40-140              |
| o-Terphenyl        | 70         |           | 40-140              |
| 2-Fluorobiphenyl   | 81         |           | 40-140              |
| 2-Bromonaphthalene | 81         |           | 40-140              |

**Project Name:** TRURO DPW**Lab Number:** L2441230**Project Number:** TRU2501.P2**Report Date:** 07/31/24**SAMPLE RESULTS**

Lab ID: L2441230-10

Date Collected: 07/19/24 09:50

Client ID: SB-14 (4-6)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 131, VPH-18-2.1

Analytical Date: 07/25/24 18:59

Analyst: BAD

Percent Solids: 97%

Trap: EST, Carboxen B/Carboxen 1000&amp;1001

Analytical Column: Restek, RTX-502.2,  
105m, 0.53ID, 3um**Quality Control Information**

| Parameter                                                | Result | Qualifier | Units | RL    | MDL | Dilution Factor |
|----------------------------------------------------------|--------|-----------|-------|-------|-----|-----------------|
| <b>Volatile Petroleum Hydrocarbons - Westborough Lab</b> |        |           |       |       |     |                 |
| C5-C8 Aliphatics                                         | ND     |           | mg/kg | 6.76  | --  | 1               |
| C9-C12 Aliphatics                                        | ND     |           | mg/kg | 6.76  | --  | 1               |
| C9-C10 Aromatics                                         | ND     |           | mg/kg | 6.76  | --  | 1               |
| C5-C8 Aliphatics, Adjusted                               | ND     |           | mg/kg | 6.76  | --  | 1               |
| C9-C12 Aliphatics, Adjusted                              | ND     |           | mg/kg | 6.76  | --  | 1               |
| Benzene                                                  | ND     |           | mg/kg | 0.135 | --  | 1               |
| Toluene                                                  | ND     |           | mg/kg | 0.135 | --  | 1               |
| Ethylbenzene                                             | ND     |           | mg/kg | 0.135 | --  | 1               |
| p/m-Xylene                                               | ND     |           | mg/kg | 0.135 | --  | 1               |
| o-Xylene                                                 | ND     |           | mg/kg | 0.135 | --  | 1               |
| Methyl tert butyl ether                                  | ND     |           | mg/kg | 0.068 | --  | 1               |
| Naphthalene                                              | ND     |           | mg/kg | 0.270 | --  | 1               |

| Surrogate              | % Recovery | Qualifier | Acceptance Criteria |
|------------------------|------------|-----------|---------------------|
| 2,5-Dibromotoluene-PID | 132        | Q         | 70-130              |
| 2,5-Dibromotoluene-FID | 118        |           | 70-130              |





**Project Name:** TRURO DPW**Lab Number:** L2441230**Project Number:** TRU2501.P2**Report Date:** 07/31/24**SAMPLE RESULTS**

Lab ID: L2441230-10

Date Collected: 07/19/24 09:50

Client ID: SB-14 (4-6)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 135,EPH-19-2.1

Extraction Date: 07/28/24 08:34

Analytical Date: 07/30/24 11:45

Cleanup Method1: EPH-19-2.1

Analyst: ALL

Cleanup Date1: 07/29/24

Percent Solids: 97%

**Quality Control Information**

Condition of sample received:

Satisfactory

Sample Temperature upon receipt:

Received on Ice

Sample Extraction method:

Extracted Per the Method

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

**Extractable Petroleum Hydrocarbons - Westborough Lab**

|                             |      |  |       |      |    |   |
|-----------------------------|------|--|-------|------|----|---|
| C9-C18 Aliphatics           | ND   |  | mg/kg | 6.58 | -- | 1 |
| C19-C36 Aliphatics          | 10.3 |  | mg/kg | 6.58 | -- | 1 |
| C11-C22 Aromatics           | 9.98 |  | mg/kg | 6.58 | -- | 1 |
| C11-C22 Aromatics, Adjusted | 9.98 |  | mg/kg | 6.58 | -- | 1 |

| Surrogate          | % Recovery | Qualifier | Acceptance Criteria |
|--------------------|------------|-----------|---------------------|
| Chloro-Octadecane  | 53         |           | 40-140              |
| o-Terphenyl        | 54         |           | 40-140              |
| 2-Fluorobiphenyl   | 64         |           | 40-140              |
| 2-Bromonaphthalene | 66         |           | 40-140              |



**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

### Method Blank Analysis Batch Quality Control

**Analytical Method:** 131, VPH-18-2.1  
**Analytical Date:** 07/25/24 09:35  
**Analyst:** MKS

| Parameter                                                                                 | Result | Qualifier | Units | RL    | MDL |
|-------------------------------------------------------------------------------------------|--------|-----------|-------|-------|-----|
| Volatile Petroleum Hydrocarbons - Westborough Lab for sample(s): 01-10 Batch: WG1951831-4 |        |           |       |       |     |
| C5-C8 Aliphatics                                                                          | ND     |           | mg/kg | 5.00  | --  |
| C9-C12 Aliphatics                                                                         | ND     |           | mg/kg | 5.00  | --  |
| C9-C10 Aromatics                                                                          | ND     |           | mg/kg | 5.00  | --  |
| C5-C8 Aliphatics, Adjusted                                                                | ND     |           | mg/kg | 5.00  | --  |
| C9-C12 Aliphatics, Adjusted                                                               | ND     |           | mg/kg | 5.00  | --  |
| Benzene                                                                                   | ND     |           | mg/kg | 0.100 | --  |
| Toluene                                                                                   | ND     |           | mg/kg | 0.100 | --  |
| Ethylbenzene                                                                              | ND     |           | mg/kg | 0.100 | --  |
| p/m-Xylene                                                                                | ND     |           | mg/kg | 0.100 | --  |
| o-Xylene                                                                                  | ND     |           | mg/kg | 0.100 | --  |
| Methyl tert butyl ether                                                                   | ND     |           | mg/kg | 0.050 | --  |
| Naphthalene                                                                               | ND     |           | mg/kg | 0.200 | --  |

| Surrogate              | %Recovery | Qualifier | Acceptance Criteria |
|------------------------|-----------|-----------|---------------------|
| 2,5-Dibromotoluene-PID | 116       |           | 70-130              |
| 2,5-Dibromotoluene-FID | 104       |           | 70-130              |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

### Method Blank Analysis Batch Quality Control

**Analytical Method:** 135,EPH-19-2.1  
**Analytical Date:** 07/30/24 10:30  
**Analyst:** ALL

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/28/24 08:34  
**Cleanup Method:** EPH-19-2.1  
**Cleanup Date:** 07/29/24

| Parameter                                                                                    | Result | Qualifier | Units | RL    | MDL |
|----------------------------------------------------------------------------------------------|--------|-----------|-------|-------|-----|
| Extractable Petroleum Hydrocarbons - Westborough Lab for sample(s): 01-10 Batch: WG1952313-1 |        |           |       |       |     |
| C9-C18 Aliphatics                                                                            | ND     |           | mg/kg | 6.62  | --  |
| C19-C36 Aliphatics                                                                           | ND     |           | mg/kg | 6.62  | --  |
| C11-C22 Aromatics                                                                            | ND     |           | mg/kg | 6.62  | --  |
| C11-C22 Aromatics, Adjusted                                                                  | ND     |           | mg/kg | 6.62  | --  |
| Naphthalene                                                                                  | ND     |           | mg/kg | 0.331 | --  |
| 2-Methylnaphthalene                                                                          | ND     |           | mg/kg | 0.331 | --  |
| Acenaphthylene                                                                               | ND     |           | mg/kg | 0.331 | --  |
| Acenaphthene                                                                                 | ND     |           | mg/kg | 0.331 | --  |
| Fluorene                                                                                     | ND     |           | mg/kg | 0.331 | --  |
| Phenanthrene                                                                                 | ND     |           | mg/kg | 0.331 | --  |
| Anthracene                                                                                   | ND     |           | mg/kg | 0.331 | --  |
| Fluoranthene                                                                                 | ND     |           | mg/kg | 0.331 | --  |
| Pyrene                                                                                       | ND     |           | mg/kg | 0.331 | --  |
| Benzo(a)anthracene                                                                           | ND     |           | mg/kg | 0.331 | --  |
| Chrysene                                                                                     | ND     |           | mg/kg | 0.331 | --  |
| Benzo(b)fluoranthene                                                                         | ND     |           | mg/kg | 0.331 | --  |
| Benzo(k)fluoranthene                                                                         | ND     |           | mg/kg | 0.331 | --  |
| Benzo(a)pyrene                                                                               | ND     |           | mg/kg | 0.331 | --  |
| Indeno(1,2,3-cd)Pyrene                                                                       | ND     |           | mg/kg | 0.331 | --  |
| Dibenzo(a,h)anthracene                                                                       | ND     |           | mg/kg | 0.331 | --  |
| Benzo(ghi)perylene                                                                           | ND     |           | mg/kg | 0.331 | --  |

| Surrogate          | %Recovery | Qualifier | Acceptance Criteria |
|--------------------|-----------|-----------|---------------------|
| Chloro-Octadecane  | 55        |           | 40-140              |
| o-Terphenyl        | 51        |           | 40-140              |
| 2-Fluorobiphenyl   | 60        |           | 40-140              |
| 2-Bromonaphthalene | 61        |           | 40-140              |



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU2501.P2

Lab Number: L2441230

Report Date: 07/31/24

| Parameter                                                                                                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01-10 Batch: WG1951831-2 WG1951831-3 |                  |      |                   |      |                     |     |      |               |
| C5-C8 Aliphatics                                                                                             | 81               |      | 80                |      | 70-130              | 1   |      | 25            |
| C9-C12 Aliphatics                                                                                            | 96               |      | 95                |      | 70-130              | 1   |      | 25            |
| C9-C10 Aromatics                                                                                             | 105              |      | 105               |      | 70-130              | 0   |      | 25            |
| Benzene                                                                                                      | 102              |      | 101               |      | 70-130              | 1   |      | 25            |
| Toluene                                                                                                      | 104              |      | 104               |      | 70-130              | 0   |      | 25            |
| Ethylbenzene                                                                                                 | 107              |      | 106               |      | 70-130              | 1   |      | 25            |
| p/m-Xylene                                                                                                   | 105              |      | 104               |      | 70-130              | 1   |      | 25            |
| o-Xylene                                                                                                     | 103              |      | 102               |      | 70-130              | 1   |      | 25            |
| Methyl tert butyl ether                                                                                      | 99               |      | 99                |      | 70-130              | 0   |      | 25            |
| Naphthalene                                                                                                  | 106              |      | 108               |      | 70-130              | 2   |      | 25            |
| 1,2,4-Trimethylbenzene                                                                                       | 105              |      | 105               |      | 70-130              | 0   |      | 25            |
| Pentane                                                                                                      | 60               | Q    | 59                | Q    | 70-130              | 2   |      | 25            |
| 2-Methylpentane                                                                                              | 86               |      | 86                |      | 70-130              | 0   |      | 25            |
| 2,2,4-Trimethylpentane                                                                                       | 91               |      | 90                |      | 70-130              | 0   |      | 25            |
| n-Nonane                                                                                                     | 92               |      | 92                |      | 30-130              | 0   |      | 25            |
| n-Decane                                                                                                     | 99               |      | 98                |      | 70-130              | 1   |      | 25            |
| n-Butylcyclohexane                                                                                           | 97               |      | 96                |      | 70-130              | 0   |      | 25            |

| Surrogate              | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|------------------------|------------------|------|-------------------|------|------------------------|
| 2,5-Dibromotoluene-PID | 110              |      | 111               |      | 70-130                 |
| 2,5-Dibromotoluene-FID | 96               |      | 99                |      | 70-130                 |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU2501.P2

Lab Number: L2441230

Report Date: 07/31/24

| Parameter                                                                                                       | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01-10 Batch: WG1952313-2 WG1952313-3 |                  |      |                   |      |                     |     |      |               |
| C9-C18 Aliphatics                                                                                               | 59               |      | 58                |      | 40-140              | 2   |      | 25            |
| C19-C36 Aliphatics                                                                                              | 69               |      | 71                |      | 40-140              | 3   |      | 25            |
| C11-C22 Aromatics                                                                                               | 55               |      | 53                |      | 40-140              | 4   |      | 25            |
| Naphthalene                                                                                                     | 47               |      | 45                |      | 40-140              | 4   |      | 25            |
| 2-Methylnaphthalene                                                                                             | 49               |      | 47                |      | 40-140              | 4   |      | 25            |
| Acenaphthylene                                                                                                  | 51               |      | 50                |      | 40-140              | 2   |      | 25            |
| Acenaphthene                                                                                                    | 52               |      | 50                |      | 40-140              | 4   |      | 25            |
| Fluorene                                                                                                        | 52               |      | 50                |      | 40-140              | 4   |      | 25            |
| Phenanthrene                                                                                                    | 52               |      | 50                |      | 40-140              | 4   |      | 25            |
| Anthracene                                                                                                      | 64               |      | 61                |      | 40-140              | 5   |      | 25            |
| Fluoranthene                                                                                                    | 53               |      | 51                |      | 40-140              | 4   |      | 25            |
| Pyrene                                                                                                          | 52               |      | 49                |      | 40-140              | 6   |      | 25            |
| Benzo(a)anthracene                                                                                              | 54               |      | 51                |      | 40-140              | 6   |      | 25            |
| Chrysene                                                                                                        | 53               |      | 50                |      | 40-140              | 6   |      | 25            |
| Benzo(b)fluoranthene                                                                                            | 51               |      | 49                |      | 40-140              | 4   |      | 25            |
| Benzo(k)fluoranthene                                                                                            | 51               |      | 49                |      | 40-140              | 4   |      | 25            |
| Benzo(a)pyrene                                                                                                  | 62               |      | 60                |      | 40-140              | 3   |      | 25            |
| Indeno(1,2,3-cd)Pyrene                                                                                          | 53               |      | 51                |      | 40-140              | 4   |      | 25            |
| Dibenzo(a,h)anthracene                                                                                          | 51               |      | 49                |      | 40-140              | 4   |      | 25            |
| Benzo(ghi)perylene                                                                                              | 47               |      | 46                |      | 40-140              | 2   |      | 25            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Lab Number: L2441230

Project Number: TRU2501.P2

Report Date: 07/31/24

| Parameter                                                                                                       | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01-10 Batch: WG1952313-2 WG1952313-3 |                  |      |                   |      |                     |     |      |               |

| Surrogate                          | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|------------------------------------|------------------|------|-------------------|------|------------------------|
| Chloro-Octadecane                  | 55               |      | 54                |      | 40-140                 |
| o-Terphenyl                        | 50               |      | 48                |      | 40-140                 |
| 2-Fluorobiphenyl                   | 59               |      | 55                |      | 40-140                 |
| 2-Bromonaphthalene                 | 61               |      | 57                |      | 40-140                 |
| % Naphthalene Breakthrough         | 0                |      | 0                 |      |                        |
| % 2-Methylnaphthalene Breakthrough | 0                |      | 0                 |      |                        |

# PCBS

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

**SAMPLE RESULTS**

**Lab ID:** L2441230-01  
**Client ID:** SB-1 (2-4)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 09:15  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 97,8082A  
**Analytical Date:** 07/29/24 09:27  
**Analyst:** MEO  
**Percent Solids:** 98%

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/28/24 01:31  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 07/28/24  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 07/29/24

| Parameter                                       | Result | Qualifier | Units | RL   | MDL | Dilution Factor | Column |
|-------------------------------------------------|--------|-----------|-------|------|-----|-----------------|--------|
| MCP Polychlorinated Biphenyls - Westborough Lab |        |           |       |      |     |                 |        |
| Aroclor 1016                                    | ND     |           | ug/kg | 48.2 | --  | 1               | A      |
| Aroclor 1221                                    | ND     |           | ug/kg | 48.2 | --  | 1               | A      |
| Aroclor 1232                                    | ND     |           | ug/kg | 48.2 | --  | 1               | A      |
| Aroclor 1242                                    | ND     |           | ug/kg | 48.2 | --  | 1               | A      |
| Aroclor 1248                                    | ND     |           | ug/kg | 48.2 | --  | 1               | A      |
| Aroclor 1254                                    | ND     |           | ug/kg | 48.2 | --  | 1               | A      |
| Aroclor 1260                                    | ND     |           | ug/kg | 48.2 | --  | 1               | A      |
| Aroclor 1262                                    | ND     |           | ug/kg | 48.2 | --  | 1               | A      |
| Aroclor 1268                                    | ND     |           | ug/kg | 48.2 | --  | 1               | A      |
| PCBs, Total                                     | ND     |           | ug/kg | 48.2 | --  | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 70         |           | 30-150              | A      |
| Decachlorobiphenyl           | 68         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 77         |           | 30-150              | B      |
| Decachlorobiphenyl           | 82         |           | 30-150              | B      |



**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

**SAMPLE RESULTS**

**Lab ID:** L2441230-02  
**Client ID:** SB-2 (4-6)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 09:40  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 97,8082A  
**Analytical Date:** 07/29/24 09:35  
**Analyst:** MEO  
**Percent Solids:** 97%

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/28/24 01:31  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 07/28/24  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 07/29/24

| Parameter                                       | Result | Qualifier | Units | RL   | MDL | Dilution Factor | Column |
|-------------------------------------------------|--------|-----------|-------|------|-----|-----------------|--------|
| MCP Polychlorinated Biphenyls - Westborough Lab |        |           |       |      |     |                 |        |
| Aroclor 1016                                    | ND     |           | ug/kg | 49.3 | --  | 1               | A      |
| Aroclor 1221                                    | ND     |           | ug/kg | 49.3 | --  | 1               | A      |
| Aroclor 1232                                    | ND     |           | ug/kg | 49.3 | --  | 1               | A      |
| Aroclor 1242                                    | ND     |           | ug/kg | 49.3 | --  | 1               | A      |
| Aroclor 1248                                    | ND     |           | ug/kg | 49.3 | --  | 1               | A      |
| Aroclor 1254                                    | ND     |           | ug/kg | 49.3 | --  | 1               | A      |
| Aroclor 1260                                    | ND     |           | ug/kg | 49.3 | --  | 1               | A      |
| Aroclor 1262                                    | ND     |           | ug/kg | 49.3 | --  | 1               | A      |
| Aroclor 1268                                    | ND     |           | ug/kg | 49.3 | --  | 1               | A      |
| PCBs, Total                                     | ND     |           | ug/kg | 49.3 | --  | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 69         |           | 30-150              | A      |
| Decachlorobiphenyl           | 66         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 76         |           | 30-150              | B      |
| Decachlorobiphenyl           | 78         |           | 30-150              | B      |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

**SAMPLE RESULTS**

**Lab ID:** L2441230-03  
**Client ID:** SB-6 (2-4)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 10:15  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 97,8082A  
**Analytical Date:** 07/29/24 09:43  
**Analyst:** MEO  
**Percent Solids:** 99%

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/28/24 01:31  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 07/28/24  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 07/29/24

| Parameter                                       | Result | Qualifier | Units | RL   | MDL | Dilution Factor | Column |
|-------------------------------------------------|--------|-----------|-------|------|-----|-----------------|--------|
| MCP Polychlorinated Biphenyls - Westborough Lab |        |           |       |      |     |                 |        |
| Aroclor 1016                                    | ND     |           | ug/kg | 46.9 | --  | 1               | A      |
| Aroclor 1221                                    | ND     |           | ug/kg | 46.9 | --  | 1               | A      |
| Aroclor 1232                                    | ND     |           | ug/kg | 46.9 | --  | 1               | A      |
| Aroclor 1242                                    | ND     |           | ug/kg | 46.9 | --  | 1               | A      |
| Aroclor 1248                                    | ND     |           | ug/kg | 46.9 | --  | 1               | A      |
| Aroclor 1254                                    | ND     |           | ug/kg | 46.9 | --  | 1               | A      |
| Aroclor 1260                                    | ND     |           | ug/kg | 46.9 | --  | 1               | A      |
| Aroclor 1262                                    | ND     |           | ug/kg | 46.9 | --  | 1               | A      |
| Aroclor 1268                                    | ND     |           | ug/kg | 46.9 | --  | 1               | A      |
| PCBs, Total                                     | ND     |           | ug/kg | 46.9 | --  | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 68         |           | 30-150              | A      |
| Decachlorobiphenyl           | 69         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 74         |           | 30-150              | B      |
| Decachlorobiphenyl           | 71         |           | 30-150              | B      |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

**SAMPLE RESULTS**

**Lab ID:** L2441230-04  
**Client ID:** SB-7 (2-4)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 12:30  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 97,8082A  
**Analytical Date:** 07/29/24 09:51  
**Analyst:** MEO  
**Percent Solids:** 98%

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/28/24 01:31  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 07/28/24  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 07/29/24

| Parameter                                       | Result | Qualifier | Units | RL   | MDL | Dilution Factor | Column |
|-------------------------------------------------|--------|-----------|-------|------|-----|-----------------|--------|
| MCP Polychlorinated Biphenyls - Westborough Lab |        |           |       |      |     |                 |        |
| Aroclor 1016                                    | ND     |           | ug/kg | 48.8 | --  | 1               | A      |
| Aroclor 1221                                    | ND     |           | ug/kg | 48.8 | --  | 1               | A      |
| Aroclor 1232                                    | ND     |           | ug/kg | 48.8 | --  | 1               | A      |
| Aroclor 1242                                    | ND     |           | ug/kg | 48.8 | --  | 1               | A      |
| Aroclor 1248                                    | ND     |           | ug/kg | 48.8 | --  | 1               | A      |
| Aroclor 1254                                    | ND     |           | ug/kg | 48.8 | --  | 1               | A      |
| Aroclor 1260                                    | ND     |           | ug/kg | 48.8 | --  | 1               | A      |
| Aroclor 1262                                    | ND     |           | ug/kg | 48.8 | --  | 1               | A      |
| Aroclor 1268                                    | ND     |           | ug/kg | 48.8 | --  | 1               | A      |
| PCBs, Total                                     | ND     |           | ug/kg | 48.8 | --  | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 66         |           | 30-150              | A      |
| Decachlorobiphenyl           | 67         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 73         |           | 30-150              | B      |
| Decachlorobiphenyl           | 68         |           | 30-150              | B      |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

**SAMPLE RESULTS**

**Lab ID:** L2441230-05  
**Client ID:** SB-8 (8-10)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 12:05  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 97,8082A  
**Analytical Date:** 07/29/24 09:59  
**Analyst:** MEO  
**Percent Solids:** 97%

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/28/24 01:31  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 07/28/24  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 07/29/24

| Parameter                                       | Result | Qualifier | Units | RL   | MDL | Dilution Factor | Column |
|-------------------------------------------------|--------|-----------|-------|------|-----|-----------------|--------|
| MCP Polychlorinated Biphenyls - Westborough Lab |        |           |       |      |     |                 |        |
| Aroclor 1016                                    | ND     |           | ug/kg | 48.8 | --  | 1               | A      |
| Aroclor 1221                                    | ND     |           | ug/kg | 48.8 | --  | 1               | A      |
| Aroclor 1232                                    | ND     |           | ug/kg | 48.8 | --  | 1               | A      |
| Aroclor 1242                                    | ND     |           | ug/kg | 48.8 | --  | 1               | A      |
| Aroclor 1248                                    | ND     |           | ug/kg | 48.8 | --  | 1               | A      |
| Aroclor 1254                                    | ND     |           | ug/kg | 48.8 | --  | 1               | A      |
| Aroclor 1260                                    | ND     |           | ug/kg | 48.8 | --  | 1               | A      |
| Aroclor 1262                                    | ND     |           | ug/kg | 48.8 | --  | 1               | A      |
| Aroclor 1268                                    | ND     |           | ug/kg | 48.8 | --  | 1               | A      |
| PCBs, Total                                     | ND     |           | ug/kg | 48.8 | --  | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 65         |           | 30-150              | A      |
| Decachlorobiphenyl           | 62         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 73         |           | 30-150              | B      |
| Decachlorobiphenyl           | 66         |           | 30-150              | B      |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

**SAMPLE RESULTS**

**Lab ID:** L2441230-06  
**Client ID:** SB-9 (6-8)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 11:45  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 97,8082A  
**Analytical Date:** 07/29/24 10:07  
**Analyst:** MEO  
**Percent Solids:** 97%

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/28/24 01:31  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 07/28/24  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 07/29/24

| Parameter                                       | Result | Qualifier | Units | RL   | MDL | Dilution Factor | Column |
|-------------------------------------------------|--------|-----------|-------|------|-----|-----------------|--------|
| MCP Polychlorinated Biphenyls - Westborough Lab |        |           |       |      |     |                 |        |
| Aroclor 1016                                    | ND     |           | ug/kg | 50.5 | --  | 1               | A      |
| Aroclor 1221                                    | ND     |           | ug/kg | 50.5 | --  | 1               | A      |
| Aroclor 1232                                    | ND     |           | ug/kg | 50.5 | --  | 1               | A      |
| Aroclor 1242                                    | ND     |           | ug/kg | 50.5 | --  | 1               | A      |
| Aroclor 1248                                    | ND     |           | ug/kg | 50.5 | --  | 1               | A      |
| Aroclor 1254                                    | ND     |           | ug/kg | 50.5 | --  | 1               | A      |
| Aroclor 1260                                    | ND     |           | ug/kg | 50.5 | --  | 1               | A      |
| Aroclor 1262                                    | ND     |           | ug/kg | 50.5 | --  | 1               | A      |
| Aroclor 1268                                    | ND     |           | ug/kg | 50.5 | --  | 1               | A      |
| PCBs, Total                                     | ND     |           | ug/kg | 50.5 | --  | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 61         |           | 30-150              | A      |
| Decachlorobiphenyl           | 59         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 67         |           | 30-150              | B      |
| Decachlorobiphenyl           | 63         |           | 30-150              | B      |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

**SAMPLE RESULTS**

**Lab ID:** L2441230-07  
**Client ID:** SB-10 (4-6)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 12:15  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 97,8082A  
**Analytical Date:** 07/29/24 10:15  
**Analyst:** MEO  
**Percent Solids:** 99%

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/28/24 01:31  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 07/28/24  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 07/29/24

| Parameter                                       | Result | Qualifier | Units | RL   | MDL | Dilution Factor | Column |
|-------------------------------------------------|--------|-----------|-------|------|-----|-----------------|--------|
| MCP Polychlorinated Biphenyls - Westborough Lab |        |           |       |      |     |                 |        |
| Aroclor 1016                                    | ND     |           | ug/kg | 48.6 | --  | 1               | A      |
| Aroclor 1221                                    | ND     |           | ug/kg | 48.6 | --  | 1               | A      |
| Aroclor 1232                                    | ND     |           | ug/kg | 48.6 | --  | 1               | A      |
| Aroclor 1242                                    | ND     |           | ug/kg | 48.6 | --  | 1               | A      |
| Aroclor 1248                                    | ND     |           | ug/kg | 48.6 | --  | 1               | A      |
| Aroclor 1254                                    | ND     |           | ug/kg | 48.6 | --  | 1               | B      |
| Aroclor 1260                                    | ND     |           | ug/kg | 48.6 | --  | 1               | B      |
| Aroclor 1262                                    | ND     |           | ug/kg | 48.6 | --  | 1               | A      |
| Aroclor 1268                                    | ND     |           | ug/kg | 48.6 | --  | 1               | A      |
| PCBs, Total                                     | ND     |           | ug/kg | 48.6 | --  | 1               | B      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 60         |           | 30-150              | A      |
| Decachlorobiphenyl           | 60         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 65         |           | 30-150              | B      |
| Decachlorobiphenyl           | 62         |           | 30-150              | B      |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

**SAMPLE RESULTS**

**Lab ID:** L2441230-08  
**Client ID:** SB-11 (10-12)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 11:20  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 97,8082A  
**Analytical Date:** 07/29/24 10:23  
**Analyst:** MEO  
**Percent Solids:** 97%

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/28/24 01:31  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 07/28/24  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 07/29/24

| Parameter                                       | Result | Qualifier | Units | RL   | MDL | Dilution Factor | Column |
|-------------------------------------------------|--------|-----------|-------|------|-----|-----------------|--------|
| MCP Polychlorinated Biphenyls - Westborough Lab |        |           |       |      |     |                 |        |
| Aroclor 1016                                    | ND     |           | ug/kg | 47.6 | --  | 1               | A      |
| Aroclor 1221                                    | ND     |           | ug/kg | 47.6 | --  | 1               | A      |
| Aroclor 1232                                    | ND     |           | ug/kg | 47.6 | --  | 1               | A      |
| Aroclor 1242                                    | ND     |           | ug/kg | 47.6 | --  | 1               | A      |
| Aroclor 1248                                    | ND     |           | ug/kg | 47.6 | --  | 1               | A      |
| Aroclor 1254                                    | ND     |           | ug/kg | 47.6 | --  | 1               | B      |
| Aroclor 1260                                    | ND     |           | ug/kg | 47.6 | --  | 1               | B      |
| Aroclor 1262                                    | ND     |           | ug/kg | 47.6 | --  | 1               | A      |
| Aroclor 1268                                    | ND     |           | ug/kg | 47.6 | --  | 1               | A      |
| PCBs, Total                                     | ND     |           | ug/kg | 47.6 | --  | 1               | B      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 65         |           | 30-150              | A      |
| Decachlorobiphenyl           | 60         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 73         |           | 30-150              | B      |
| Decachlorobiphenyl           | 63         |           | 30-150              | B      |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

**SAMPLE RESULTS**

**Lab ID:** L2441230-09  
**Client ID:** SB-12 (16-18)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 13:00  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 97,8082A  
**Analytical Date:** 07/29/24 10:31  
**Analyst:** MEO  
**Percent Solids:** 97%

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/28/24 01:31  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 07/28/24  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 07/29/24

| Parameter                                       | Result | Qualifier | Units | RL   | MDL | Dilution Factor | Column |
|-------------------------------------------------|--------|-----------|-------|------|-----|-----------------|--------|
| MCP Polychlorinated Biphenyls - Westborough Lab |        |           |       |      |     |                 |        |
| Aroclor 1016                                    | ND     |           | ug/kg | 50.0 | --  | 1               | A      |
| Aroclor 1221                                    | ND     |           | ug/kg | 50.0 | --  | 1               | A      |
| Aroclor 1232                                    | ND     |           | ug/kg | 50.0 | --  | 1               | A      |
| Aroclor 1242                                    | ND     |           | ug/kg | 50.0 | --  | 1               | A      |
| Aroclor 1248                                    | ND     |           | ug/kg | 50.0 | --  | 1               | A      |
| Aroclor 1254                                    | ND     |           | ug/kg | 50.0 | --  | 1               | A      |
| Aroclor 1260                                    | ND     |           | ug/kg | 50.0 | --  | 1               | B      |
| Aroclor 1262                                    | ND     |           | ug/kg | 50.0 | --  | 1               | A      |
| Aroclor 1268                                    | ND     |           | ug/kg | 50.0 | --  | 1               | A      |
| PCBs, Total                                     | ND     |           | ug/kg | 50.0 | --  | 1               | B      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 68         |           | 30-150              | A      |
| Decachlorobiphenyl           | 63         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 75         |           | 30-150              | B      |
| Decachlorobiphenyl           | 68         |           | 30-150              | B      |



**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

**SAMPLE RESULTS**

**Lab ID:** L2441230-10  
**Client ID:** SB-14 (4-6)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 09:50  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 97,8082A  
**Analytical Date:** 07/29/24 10:39  
**Analyst:** MEO  
**Percent Solids:** 97%

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/28/24 01:31  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 07/28/24  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 07/29/24

| Parameter                                       | Result | Qualifier | Units | RL   | MDL | Dilution Factor | Column |
|-------------------------------------------------|--------|-----------|-------|------|-----|-----------------|--------|
| MCP Polychlorinated Biphenyls - Westborough Lab |        |           |       |      |     |                 |        |
| Aroclor 1016                                    | ND     |           | ug/kg | 50.6 | --  | 1               | A      |
| Aroclor 1221                                    | ND     |           | ug/kg | 50.6 | --  | 1               | A      |
| Aroclor 1232                                    | ND     |           | ug/kg | 50.6 | --  | 1               | A      |
| Aroclor 1242                                    | ND     |           | ug/kg | 50.6 | --  | 1               | A      |
| Aroclor 1248                                    | ND     |           | ug/kg | 50.6 | --  | 1               | A      |
| Aroclor 1254                                    | ND     |           | ug/kg | 50.6 | --  | 1               | A      |
| Aroclor 1260                                    | ND     |           | ug/kg | 50.6 | --  | 1               | A      |
| Aroclor 1262                                    | ND     |           | ug/kg | 50.6 | --  | 1               | A      |
| Aroclor 1268                                    | ND     |           | ug/kg | 50.6 | --  | 1               | A      |
| PCBs, Total                                     | ND     |           | ug/kg | 50.6 | --  | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 65         |           | 30-150              | A      |
| Decachlorobiphenyl           | 63         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 70         |           | 30-150              | B      |
| Decachlorobiphenyl           | 63         |           | 30-150              | B      |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 97,8082A  
 Analytical Date: 07/29/24 08:47  
 Analyst: MEO

Extraction Method: EPA 3546  
 Extraction Date: 07/28/24 01:31  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 07/28/24  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 07/29/24

| Parameter                                                                               | Result | Qualifier | Units | RL   | MDL | Column |
|-----------------------------------------------------------------------------------------|--------|-----------|-------|------|-----|--------|
| MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01-10 Batch: WG1952292-1 |        |           |       |      |     |        |
| Aroclor 1016                                                                            | ND     |           | ug/kg | 46.0 | --  | A      |
| Aroclor 1221                                                                            | ND     |           | ug/kg | 46.0 | --  | A      |
| Aroclor 1232                                                                            | ND     |           | ug/kg | 46.0 | --  | A      |
| Aroclor 1242                                                                            | ND     |           | ug/kg | 46.0 | --  | A      |
| Aroclor 1248                                                                            | ND     |           | ug/kg | 46.0 | --  | A      |
| Aroclor 1254                                                                            | ND     |           | ug/kg | 46.0 | --  | A      |
| Aroclor 1260                                                                            | ND     |           | ug/kg | 46.0 | --  | A      |
| Aroclor 1262                                                                            | ND     |           | ug/kg | 46.0 | --  | A      |
| Aroclor 1268                                                                            | ND     |           | ug/kg | 46.0 | --  | A      |
| PCBs, Total                                                                             | ND     |           | ug/kg | 46.0 | --  | A      |

| Surrogate                    | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 70        |           | 30-150                 | A      |
| Decachlorobiphenyl           | 77        |           | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 79        |           | 30-150                 | B      |
| Decachlorobiphenyl           | 81        |           | 30-150                 | B      |

# **Lab Control Sample Analysis** Batch Quality Control

Project Name: TRURO DPW

Lab Number: L2441230

Project Number: TRU2501.P2

Report Date: 07/31/24

| Parameter                                                                                                  | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01-10 Batch: WG1952292-2 WG1952292-3 |                  |      |                   |      |                     |     |      |               |        |
| Aroclor 1016                                                                                               | 80               |      | 86                |      | 40-140              | 7   |      | 30            | A      |
| Aroclor 1260                                                                                               | 76               |      | 78                |      | 40-140              | 3   |      | 30            | A      |

| Surrogate                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria | Column |
|------------------------------|------------------|------|-------------------|------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 72               |      | 76                |      | 30-150                 | A      |
| Decachlorobiphenyl           | 76               |      | 76                |      | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 78               |      | 82                |      | 30-150                 | B      |
| Decachlorobiphenyl           | 79               |      | 85                |      | 30-150                 | B      |

# PESTICIDES

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

**SAMPLE RESULTS**

**Lab ID:** L2441230-01  
**Client ID:** SB-1 (2-4)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 09:15  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 97,8081B  
**Analytical Date:** 07/29/24 11:53  
**Analyst:** MMG  
**Percent Solids:** 98%

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/28/24 16:30  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 07/29/24  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 07/29/24

| Parameter                                       | Result | Qualifier | Units | RL    | MDL | Dilution Factor | Column |
|-------------------------------------------------|--------|-----------|-------|-------|-----|-----------------|--------|
| MCP Organochlorine Pesticides - Westborough Lab |        |           |       |       |     |                 |        |
| Delta-BHC                                       | ND     |           | ug/kg | 1.54  | --  | 1               | A      |
| Lindane                                         | ND     |           | ug/kg | 0.514 | --  | 1               | A      |
| Alpha-BHC                                       | ND     |           | ug/kg | 0.643 | --  | 1               | A      |
| Beta-BHC                                        | ND     |           | ug/kg | 1.54  | --  | 1               | A      |
| Heptachlor                                      | ND     |           | ug/kg | 0.771 | --  | 1               | A      |
| Aldrin                                          | ND     |           | ug/kg | 1.54  | --  | 1               | A      |
| Heptachlor epoxide                              | ND     |           | ug/kg | 2.89  | --  | 1               | A      |
| Endrin                                          | ND     |           | ug/kg | 0.643 | --  | 1               | A      |
| Endrin ketone                                   | ND     |           | ug/kg | 1.54  | --  | 1               | A      |
| Dieldrin                                        | ND     |           | ug/kg | 0.964 | --  | 1               | A      |
| 4,4'-DDE                                        | ND     |           | ug/kg | 1.54  | --  | 1               | A      |
| 4,4'-DDD                                        | ND     |           | ug/kg | 1.54  | --  | 1               | A      |
| 4,4'-DDT                                        | ND     |           | ug/kg | 2.89  | --  | 1               | A      |
| Endosulfan I                                    | ND     |           | ug/kg | 1.54  | --  | 1               | A      |
| Endosulfan II                                   | ND     |           | ug/kg | 1.54  | --  | 1               | A      |
| Endosulfan sulfate                              | ND     |           | ug/kg | 0.643 | --  | 1               | A      |
| Methoxychlor                                    | ND     |           | ug/kg | 2.89  | --  | 1               | A      |
| Chlordane                                       | ND     |           | ug/kg | 12.8  | --  | 1               | A      |
| Hexachlorobenzene                               | ND     |           | ug/kg | 1.54  | --  | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 79         |           | 30-150              | A      |
| Decachlorobiphenyl           | 79         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 66         |           | 30-150              | B      |
| Decachlorobiphenyl           | 79         |           | 30-150              | B      |



**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

**SAMPLE RESULTS**

**Lab ID:** L2441230-01  
**Client ID:** SB-1 (2-4)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 09:15  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil  
**Analytical Method:** 97,8151A  
**Analytical Date:** 07/26/24 14:34  
**Analyst:** EJJ  
**Percent Solids:** 98%  
**Methylation Date:** 07/25/24 23:03

**Extraction Method:** EPA 8151A  
**Extraction Date:** 07/24/24 12:00

| Parameter                                    | Result | Qualifier | Units | RL   | MDL | Dilution Factor | Column |
|----------------------------------------------|--------|-----------|-------|------|-----|-----------------|--------|
| MCP Chlorinated Herbicides - Westborough Lab |        |           |       |      |     |                 |        |
| MCPP                                         | ND     |           | ug/kg | 3300 | --  | 1               | A      |
| MCPA                                         | ND     |           | ug/kg | 3300 | --  | 1               | A      |
| Dalapon                                      | ND     |           | ug/kg | 33   | --  | 1               | A      |
| Dicamba                                      | ND     |           | ug/kg | 33   | --  | 1               | A      |
| Dichloroprop                                 | ND     |           | ug/kg | 33   | --  | 1               | A      |
| 2,4-D                                        | ND     |           | ug/kg | 33   | --  | 1               | A      |
| 2,4-DB                                       | ND     |           | ug/kg | 33   | --  | 1               | A      |
| 2,4,5-T                                      | ND     |           | ug/kg | 33   | --  | 1               | A      |
| 2,4,5-TP (Silvex)                            | ND     |           | ug/kg | 33   | --  | 1               | A      |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA      | 74         |           | 30-150              | A      |
| DCAA      | 92         |           | 30-150              | B      |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

**SAMPLE RESULTS**

**Lab ID:** L2441230-02  
**Client ID:** SB-2 (4-6)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 09:40  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 97,8081B  
**Analytical Date:** 07/29/24 12:05  
**Analyst:** MMG  
**Percent Solids:** 97%

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/28/24 16:30  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 07/29/24  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 07/29/24

| Parameter                                       | Result | Qualifier | Units | RL    | MDL | Dilution Factor | Column |
|-------------------------------------------------|--------|-----------|-------|-------|-----|-----------------|--------|
| MCP Organochlorine Pesticides - Westborough Lab |        |           |       |       |     |                 |        |
| Delta-BHC                                       | ND     |           | ug/kg | 1.64  | --  | 1               | A      |
| Lindane                                         | ND     |           | ug/kg | 0.546 | --  | 1               | A      |
| Alpha-BHC                                       | ND     |           | ug/kg | 0.682 | --  | 1               | A      |
| Beta-BHC                                        | ND     |           | ug/kg | 1.64  | --  | 1               | A      |
| Heptachlor                                      | ND     |           | ug/kg | 0.818 | --  | 1               | A      |
| Aldrin                                          | ND     |           | ug/kg | 1.64  | --  | 1               | A      |
| Heptachlor epoxide                              | ND     |           | ug/kg | 3.07  | --  | 1               | A      |
| Endrin                                          | ND     |           | ug/kg | 0.682 | --  | 1               | A      |
| Endrin ketone                                   | ND     |           | ug/kg | 1.64  | --  | 1               | A      |
| Dieldrin                                        | ND     |           | ug/kg | 1.02  | --  | 1               | A      |
| 4,4'-DDE                                        | ND     |           | ug/kg | 1.64  | --  | 1               | A      |
| 4,4'-DDD                                        | ND     |           | ug/kg | 1.64  | --  | 1               | A      |
| 4,4'-DDT                                        | ND     |           | ug/kg | 3.07  | --  | 1               | A      |
| Endosulfan I                                    | ND     |           | ug/kg | 1.64  | --  | 1               | A      |
| Endosulfan II                                   | ND     |           | ug/kg | 1.64  | --  | 1               | A      |
| Endosulfan sulfate                              | ND     |           | ug/kg | 0.682 | --  | 1               | A      |
| Methoxychlor                                    | ND     |           | ug/kg | 3.07  | --  | 1               | A      |
| Chlordane                                       | ND     |           | ug/kg | 13.6  | --  | 1               | A      |
| Hexachlorobenzene                               | ND     |           | ug/kg | 1.64  | --  | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 79         |           | 30-150              | A      |
| Decachlorobiphenyl           | 76         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 65         |           | 30-150              | B      |
| Decachlorobiphenyl           | 75         |           | 30-150              | B      |



**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

**SAMPLE RESULTS**

**Lab ID:** L2441230-02  
**Client ID:** SB-2 (4-6)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 09:40  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil  
**Analytical Method:** 97,8151A  
**Analytical Date:** 07/26/24 14:53  
**Analyst:** SID  
**Percent Solids:** 97%  
**Methylation Date:** 07/25/24 23:03

**Extraction Method:** EPA 8151A  
**Extraction Date:** 07/24/24 12:00

| Parameter                                    | Result | Qualifier | Units | RL   | MDL | Dilution Factor | Column |
|----------------------------------------------|--------|-----------|-------|------|-----|-----------------|--------|
| MCP Chlorinated Herbicides - Westborough Lab |        |           |       |      |     |                 |        |
| MCPP                                         | ND     |           | ug/kg | 3400 | --  | 1               | A      |
| MCPA                                         | ND     |           | ug/kg | 3400 | --  | 1               | A      |
| Dalapon                                      | ND     |           | ug/kg | 34   | --  | 1               | A      |
| Dicamba                                      | ND     |           | ug/kg | 34   | --  | 1               | A      |
| Dichloroprop                                 | ND     |           | ug/kg | 34   | --  | 1               | A      |
| 2,4-D                                        | ND     |           | ug/kg | 34   | --  | 1               | A      |
| 2,4-DB                                       | ND     |           | ug/kg | 34   | --  | 1               | A      |
| 2,4,5-T                                      | ND     |           | ug/kg | 34   | --  | 1               | A      |
| 2,4,5-TP (Silvex)                            | ND     |           | ug/kg | 34   | --  | 1               | A      |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA      | 76         |           | 30-150              | A      |
| DCAA      | 85         |           | 30-150              | B      |



**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

**SAMPLE RESULTS**

**Lab ID:** L2441230-04  
**Client ID:** SB-7 (2-4)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 12:30  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 97,8081B  
**Analytical Date:** 07/29/24 12:18  
**Analyst:** MMG  
**Percent Solids:** 98%

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/28/24 16:30  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 07/29/24  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 07/29/24

| Parameter                                       | Result | Qualifier | Units | RL    | MDL | Dilution Factor | Column |
|-------------------------------------------------|--------|-----------|-------|-------|-----|-----------------|--------|
| MCP Organochlorine Pesticides - Westborough Lab |        |           |       |       |     |                 |        |
| Delta-BHC                                       | ND     |           | ug/kg | 1.57  | --  | 1               | A      |
| Lindane                                         | ND     |           | ug/kg | 0.523 | --  | 1               | A      |
| Alpha-BHC                                       | ND     |           | ug/kg | 0.654 | --  | 1               | A      |
| Beta-BHC                                        | ND     |           | ug/kg | 1.57  | --  | 1               | A      |
| Heptachlor                                      | ND     |           | ug/kg | 0.785 | --  | 1               | A      |
| Aldrin                                          | ND     |           | ug/kg | 1.57  | --  | 1               | A      |
| Heptachlor epoxide                              | ND     |           | ug/kg | 2.94  | --  | 1               | A      |
| Endrin                                          | ND     |           | ug/kg | 0.654 | --  | 1               | A      |
| Endrin ketone                                   | ND     |           | ug/kg | 1.57  | --  | 1               | A      |
| Dieldrin                                        | ND     |           | ug/kg | 0.981 | --  | 1               | A      |
| 4,4'-DDE                                        | ND     |           | ug/kg | 1.57  | --  | 1               | B      |
| 4,4'-DDD                                        | ND     |           | ug/kg | 1.57  | --  | 1               | A      |
| 4,4'-DDT                                        | ND     |           | ug/kg | 2.94  | --  | 1               | B      |
| Endosulfan I                                    | ND     |           | ug/kg | 1.57  | --  | 1               | A      |
| Endosulfan II                                   | ND     |           | ug/kg | 1.57  | --  | 1               | A      |
| Endosulfan sulfate                              | ND     |           | ug/kg | 0.654 | --  | 1               | A      |
| Methoxychlor                                    | ND     |           | ug/kg | 2.94  | --  | 1               | A      |
| Chlordane                                       | 70.6   |           | ug/kg | 13.1  | --  | 1               | B      |
| Hexachlorobenzene                               | ND     |           | ug/kg | 1.57  | --  | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 73         |           | 30-150              | A      |
| Decachlorobiphenyl           | 71         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 63         |           | 30-150              | B      |
| Decachlorobiphenyl           | 74         |           | 30-150              | B      |



**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

**SAMPLE RESULTS**

**Lab ID:** L2441230-04  
**Client ID:** SB-7 (2-4)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 12:30  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil  
**Analytical Method:** 97,8151A  
**Analytical Date:** 07/26/24 15:11  
**Analyst:** SID  
**Percent Solids:** 98%  
**Methylation Date:** 07/25/24 23:03

**Extraction Method:** EPA 8151A  
**Extraction Date:** 07/24/24 12:00

| Parameter                                    | Result | Qualifier | Units | RL   | MDL | Dilution Factor | Column |
|----------------------------------------------|--------|-----------|-------|------|-----|-----------------|--------|
| MCP Chlorinated Herbicides - Westborough Lab |        |           |       |      |     |                 |        |
| MCPP                                         | ND     |           | ug/kg | 3300 | --  | 1               | A      |
| MCPA                                         | ND     |           | ug/kg | 3300 | --  | 1               | A      |
| Dalapon                                      | ND     |           | ug/kg | 33   | --  | 1               | A      |
| Dicamba                                      | ND     |           | ug/kg | 33   | --  | 1               | A      |
| Dichloroprop                                 | ND     |           | ug/kg | 33   | --  | 1               | A      |
| 2,4-D                                        | ND     |           | ug/kg | 33   | --  | 1               | A      |
| 2,4-DB                                       | ND     |           | ug/kg | 33   | --  | 1               | A      |
| 2,4,5-T                                      | ND     |           | ug/kg | 33   | --  | 1               | A      |
| 2,4,5-TP (Silvex)                            | ND     |           | ug/kg | 33   | --  | 1               | A      |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA      | 87         |           | 30-150              | A      |
| DCAA      | 88         |           | 30-150              | B      |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

**SAMPLE RESULTS**

**Lab ID:** L2441230-10  
**Client ID:** SB-14 (4-6)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 09:50  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 97,8081B  
**Analytical Date:** 07/29/24 12:30  
**Analyst:** MMG  
**Percent Solids:** 97%

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/28/24 16:30  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 07/29/24  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 07/29/24

| Parameter                                       | Result | Qualifier | Units | RL    | MDL | Dilution Factor | Column |
|-------------------------------------------------|--------|-----------|-------|-------|-----|-----------------|--------|
| MCP Organochlorine Pesticides - Westborough Lab |        |           |       |       |     |                 |        |
| Delta-BHC                                       | ND     |           | ug/kg | 1.60  | --  | 1               | A      |
| Lindane                                         | ND     |           | ug/kg | 0.534 | --  | 1               | A      |
| Alpha-BHC                                       | ND     |           | ug/kg | 0.668 | --  | 1               | A      |
| Beta-BHC                                        | ND     |           | ug/kg | 1.60  | --  | 1               | A      |
| Heptachlor                                      | ND     |           | ug/kg | 0.802 | --  | 1               | A      |
| Aldrin                                          | ND     |           | ug/kg | 1.60  | --  | 1               | A      |
| Heptachlor epoxide                              | ND     |           | ug/kg | 3.01  | --  | 1               | A      |
| Endrin                                          | ND     |           | ug/kg | 0.668 | --  | 1               | A      |
| Endrin ketone                                   | ND     |           | ug/kg | 1.60  | --  | 1               | A      |
| Dieldrin                                        | ND     |           | ug/kg | 1.00  | --  | 1               | A      |
| 4,4'-DDE                                        | ND     |           | ug/kg | 1.60  | --  | 1               | B      |
| 4,4'-DDD                                        | ND     |           | ug/kg | 1.60  | --  | 1               | A      |
| 4,4'-DDT                                        | 12.4   |           | ug/kg | 3.01  | --  | 1               | A      |
| Endosulfan I                                    | ND     |           | ug/kg | 1.60  | --  | 1               | A      |
| Endosulfan II                                   | ND     |           | ug/kg | 1.60  | --  | 1               | A      |
| Endosulfan sulfate                              | ND     |           | ug/kg | 0.668 | --  | 1               | A      |
| Methoxychlor                                    | ND     |           | ug/kg | 3.01  | --  | 1               | A      |
| Chlordane                                       | ND     |           | ug/kg | 13.4  | --  | 1               | A      |
| Hexachlorobenzene                               | ND     |           | ug/kg | 1.60  | --  | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 72         |           | 30-150              | A      |
| Decachlorobiphenyl           | 67         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 59         |           | 30-150              | B      |
| Decachlorobiphenyl           | 68         |           | 30-150              | B      |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

**SAMPLE RESULTS**

**Lab ID:** L2441230-10  
**Client ID:** SB-14 (4-6)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 09:50  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil  
**Analytical Method:** 97,8151A  
**Analytical Date:** 07/26/24 15:30  
**Analyst:** SID  
**Percent Solids:** 97%  
**Methylation Date:** 07/25/24 23:03

**Extraction Method:** EPA 8151A  
**Extraction Date:** 07/24/24 12:00

| Parameter                                    | Result | Qualifier | Units | RL   | MDL | Dilution Factor | Column |
|----------------------------------------------|--------|-----------|-------|------|-----|-----------------|--------|
| MCP Chlorinated Herbicides - Westborough Lab |        |           |       |      |     |                 |        |
| MCPP                                         | ND     |           | ug/kg | 3400 | --  | 1               | A      |
| MCPA                                         | ND     |           | ug/kg | 3400 | --  | 1               | A      |
| Dalapon                                      | ND     |           | ug/kg | 34   | --  | 1               | A      |
| Dicamba                                      | ND     |           | ug/kg | 34   | --  | 1               | A      |
| Dichloroprop                                 | ND     |           | ug/kg | 34   | --  | 1               | A      |
| 2,4-D                                        | ND     |           | ug/kg | 34   | --  | 1               | A      |
| 2,4-DB                                       | ND     |           | ug/kg | 34   | --  | 1               | A      |
| 2,4,5-T                                      | ND     |           | ug/kg | 34   | --  | 1               | A      |
| 2,4,5-TP (Silvex)                            | ND     |           | ug/kg | 34   | --  | 1               | A      |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA      | 78         |           | 30-150              | A      |
| DCAA      | 80         |           | 30-150              | B      |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 97,8151A  
 Analytical Date: 07/25/24 09:28  
 Analyst: MMG

Extraction Method: EPA 8151A  
 Extraction Date: 07/24/24 12:00

Methylation Date: 07/25/24 08:09

| Parameter                                                                                  | Result | Qualifier | Units | RL   | MDL | Column |
|--------------------------------------------------------------------------------------------|--------|-----------|-------|------|-----|--------|
| MCP Chlorinated Herbicides - Westborough Lab for sample(s): 01-02,04,10 Batch: WG1950772-1 |        |           |       |      |     |        |
| MCPP                                                                                       | ND     |           | ug/kg | 3200 | --  | A      |
| MCPA                                                                                       | ND     |           | ug/kg | 3200 | --  | A      |
| Dalapon                                                                                    | ND     |           | ug/kg | 32   | --  | A      |
| Dicamba                                                                                    | ND     |           | ug/kg | 32   | --  | A      |
| Dichloroprop                                                                               | ND     |           | ug/kg | 32   | --  | A      |
| 2,4-D                                                                                      | ND     |           | ug/kg | 32   | --  | A      |
| 2,4-DB                                                                                     | ND     |           | ug/kg | 32   | --  | A      |
| 2,4,5-T                                                                                    | ND     |           | ug/kg | 32   | --  | A      |
| 2,4,5-TP (Silvex)                                                                          | ND     |           | ug/kg | 32   | --  | A      |

| Surrogate | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|-----------|-----------|-----------|------------------------|--------|
| DCAA      | 82        |           | 30-150                 | A      |
| DCAA      | 87        |           | 30-150                 | B      |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

### Method Blank Analysis Batch Quality Control

**Analytical Method:** 97,8081B  
**Analytical Date:** 07/29/24 11:15  
**Analyst:** MMG

**Extraction Method:** EPA 3546  
**Extraction Date:** 07/28/24 16:30  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 07/29/24  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 07/29/24

| Parameter                                                                                     | Result | Qualifier | Units | RL    | MDL | Column |
|-----------------------------------------------------------------------------------------------|--------|-----------|-------|-------|-----|--------|
| MCP Organochlorine Pesticides - Westborough Lab for sample(s): 01-02,04,10 Batch: WG1952398-1 |        |           |       |       |     |        |
| Delta-BHC                                                                                     | ND     |           | ug/kg | 1.53  | --  | A      |
| Lindane                                                                                       | ND     |           | ug/kg | 0.511 | --  | A      |
| Alpha-BHC                                                                                     | ND     |           | ug/kg | 0.638 | --  | A      |
| Beta-BHC                                                                                      | ND     |           | ug/kg | 1.53  | --  | A      |
| Heptachlor                                                                                    | ND     |           | ug/kg | 0.766 | --  | A      |
| Aldrin                                                                                        | ND     |           | ug/kg | 1.53  | --  | A      |
| Heptachlor epoxide                                                                            | ND     |           | ug/kg | 2.87  | --  | A      |
| Endrin                                                                                        | ND     |           | ug/kg | 0.638 | --  | A      |
| Endrin ketone                                                                                 | ND     |           | ug/kg | 1.53  | --  | A      |
| Dieldrin                                                                                      | ND     |           | ug/kg | 0.958 | --  | A      |
| 4,4'-DDE                                                                                      | ND     |           | ug/kg | 1.53  | --  | A      |
| 4,4'-DDD                                                                                      | ND     |           | ug/kg | 1.53  | --  | A      |
| 4,4'-DDT                                                                                      | ND     |           | ug/kg | 2.87  | --  | A      |
| Endosulfan I                                                                                  | ND     |           | ug/kg | 1.53  | --  | A      |
| Endosulfan II                                                                                 | ND     |           | ug/kg | 1.53  | --  | A      |
| Endosulfan sulfate                                                                            | ND     |           | ug/kg | 0.638 | --  | A      |
| Methoxychlor                                                                                  | ND     |           | ug/kg | 2.87  | --  | A      |
| Chlordane                                                                                     | ND     |           | ug/kg | 12.8  | --  | A      |
| Hexachlorobenzene                                                                             | ND     |           | ug/kg | 1.53  | --  | A      |

| Surrogate                    | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 72        |           | 30-150                 | A      |
| Decachlorobiphenyl           | 70        |           | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 61        |           | 30-150                 | B      |
| Decachlorobiphenyl           | 73        |           | 30-150                 | B      |



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU2501.P2

Lab Number: L2441230

Report Date: 07/31/24

| Parameter                                                                                                     | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|---------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| MCP Chlorinated Herbicides - Westborough Lab Associated sample(s): 01-02,04,10 Batch: WG1950772-2 WG1950772-3 |                  |      |                   |      |                     |     |      |               |        |
| MCP                                                                                                           | 107              |      | 104               |      | 40-140              | 3   |      | 30            | A      |
| MCPA                                                                                                          | 87               |      | 86                |      | 40-140              | 1   |      | 30            | A      |
| Dalapon                                                                                                       | 59               |      | 60                |      | 40-140              | 2   |      | 30            | A      |
| Dicamba                                                                                                       | 85               |      | 84                |      | 40-140              | 1   |      | 30            | A      |
| Dichloroprop                                                                                                  | 83               |      | 81                |      | 40-140              | 2   |      | 30            | A      |
| 2,4-D                                                                                                         | 86               |      | 82                |      | 40-140              | 5   |      | 30            | A      |
| 2,4-DB                                                                                                        | 97               |      | 99                |      | 40-140              | 2   |      | 30            | A      |
| 2,4,5-T                                                                                                       | 88               |      | 87                |      | 40-140              | 1   |      | 30            | A      |
| 2,4,5-TP (Silvex)                                                                                             | 83               |      | 81                |      | 40-140              | 2   |      | 30            | A      |

| Surrogate | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria | Column |
|-----------|------------------|------|-------------------|------|------------------------|--------|
| DCAA      | 74               |      | 74                |      | 30-150                 | A      |
| DCAA      | 89               |      | 87                |      | 30-150                 | B      |

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** TRURO DPW

**Project Number:** TRU2501.P2

**Lab Number:** L2441230

**Report Date:** 07/31/24

| Parameter                                                                                                        | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-02,04,10 Batch: WG1952398-2 WG1952398-3 |                  |      |                   |      |                     |     |      |               |        |
| Delta-BHC                                                                                                        | 87               |      | 85                |      | 40-140              | 2   |      | 30            | A      |
| Lindane                                                                                                          | 80               |      | 78                |      | 40-140              | 3   |      | 30            | A      |
| Alpha-BHC                                                                                                        | 84               |      | 80                |      | 40-140              | 5   |      | 30            | A      |
| Beta-BHC                                                                                                         | 95               |      | 93                |      | 40-140              | 2   |      | 30            | A      |
| Heptachlor                                                                                                       | 81               |      | 80                |      | 40-140              | 1   |      | 30            | A      |
| Aldrin                                                                                                           | 83               |      | 80                |      | 40-140              | 4   |      | 30            | A      |
| Heptachlor epoxide                                                                                               | 80               |      | 80                |      | 40-140              | 0   |      | 30            | A      |
| Endrin                                                                                                           | 86               |      | 85                |      | 40-140              | 1   |      | 30            | A      |
| Endrin ketone                                                                                                    | 86               |      | 84                |      | 40-140              | 2   |      | 30            | A      |
| Dieldrin                                                                                                         | 89               |      | 89                |      | 40-140              | 0   |      | 30            | A      |
| 4,4'-DDE                                                                                                         | 82               |      | 82                |      | 40-140              | 0   |      | 30            | A      |
| 4,4'-DDD                                                                                                         | 87               |      | 87                |      | 40-140              | 0   |      | 30            | A      |
| 4,4'-DDT                                                                                                         | 93               |      | 92                |      | 40-140              | 1   |      | 30            | A      |
| Endosulfan I                                                                                                     | 82               |      | 82                |      | 40-140              | 0   |      | 30            | A      |
| Endosulfan II                                                                                                    | 83               |      | 84                |      | 40-140              | 1   |      | 30            | A      |
| Endosulfan sulfate                                                                                               | 92               |      | 94                |      | 40-140              | 2   |      | 30            | A      |
| Methoxychlor                                                                                                     | 100              |      | 98                |      | 40-140              | 2   |      | 30            | A      |
| Hexachlorobenzene                                                                                                | 86               |      | 82                |      | 40-140              | 5   |      | 30            | A      |



# **Lab Control Sample Analysis** **Batch Quality Control**

Project Name: TRURO DPW

Project Number: TRU2501.P2

Lab Number: L2441230

Report Date: 07/31/24

| Parameter | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
|-----------|------------------|------|-------------------|------|---------------------|-----|------|---------------|

MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-02,04,10 Batch: WG1952398-2 WG1952398-3

| Surrogate                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria | Column |
|------------------------------|------------------|------|-------------------|------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 78               |      | 72                |      | 30-150                 | A      |
| Decachlorobiphenyl           | 73               |      | 71                |      | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 66               |      | 61                |      | 30-150                 | B      |
| Decachlorobiphenyl           | 77               |      | 71                |      | 30-150                 | B      |

## METALS

**Project Name:** TRURO DPW**Lab Number:** L2441230**Project Number:** TRU2501.P2**Report Date:** 07/31/24**SAMPLE RESULTS**

Lab ID: L2441230-01

Date Collected: 07/19/24 09:15

Client ID: SB-1 (2-4)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 98%

| Parameter                        | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Prep<br>Method | Analytical<br>Method | Analyst |
|----------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------|----------------------|---------|
| MCP Total Metals - Mansfield Lab |        |           |       |       |     |                    |                  |                  |                |                      |         |
| Antimony, Total                  | ND     |           | mg/kg | 3.82  | --  | 2                  | 07/24/24 01:32   | 07/24/24 16:54   | EPA 3050B      | 97,6010D             | JMF     |
| Arsenic, Total                   | 2.18   |           | mg/kg | 0.765 | --  | 2                  | 07/24/24 01:32   | 07/24/24 16:54   | EPA 3050B      | 97,6010D             | JMF     |
| Barium, Total                    | 2.46   |           | mg/kg | 0.765 | --  | 2                  | 07/24/24 01:32   | 07/24/24 16:54   | EPA 3050B      | 97,6010D             | JMF     |
| Beryllium, Total                 | ND     |           | mg/kg | 0.382 | --  | 2                  | 07/24/24 01:32   | 07/24/24 16:54   | EPA 3050B      | 97,6010D             | JMF     |
| Cadmium, Total                   | ND     |           | mg/kg | 0.765 | --  | 2                  | 07/24/24 01:32   | 07/24/24 16:54   | EPA 3050B      | 97,6010D             | JMF     |
| Chromium, Total                  | 3.83   |           | mg/kg | 0.765 | --  | 2                  | 07/24/24 01:32   | 07/24/24 16:54   | EPA 3050B      | 97,6010D             | JMF     |
| Lead, Total                      | ND     |           | mg/kg | 3.82  | --  | 2                  | 07/24/24 01:32   | 07/24/24 16:54   | EPA 3050B      | 97,6010D             | JMF     |
| Mercury, Total                   | ND     |           | mg/kg | 0.066 | --  | 1                  | 07/24/24 02:33   | 07/30/24 14:19   | EPA 7471B      | 97,7471B             | MJR     |
| Nickel, Total                    | 2.12   |           | mg/kg | 1.91  | --  | 2                  | 07/24/24 01:32   | 07/24/24 16:54   | EPA 3050B      | 97,6010D             | JMF     |
| Selenium, Total                  | ND     |           | mg/kg | 3.82  | --  | 2                  | 07/24/24 01:32   | 07/24/24 16:54   | EPA 3050B      | 97,6010D             | JMF     |
| Silver, Total                    | ND     |           | mg/kg | 0.765 | --  | 2                  | 07/24/24 01:32   | 07/24/24 16:54   | EPA 3050B      | 97,6010D             | JMF     |
| Thallium, Total                  | ND     |           | mg/kg | 3.82  | --  | 2                  | 07/24/24 01:32   | 07/24/24 16:54   | EPA 3050B      | 97,6010D             | JMF     |
| Vanadium, Total                  | 2.89   |           | mg/kg | 0.765 | --  | 2                  | 07/24/24 01:32   | 07/24/24 16:54   | EPA 3050B      | 97,6010D             | JMF     |
| Zinc, Total                      | 4.16   |           | mg/kg | 3.82  | --  | 2                  | 07/24/24 01:32   | 07/24/24 16:54   | EPA 3050B      | 97,6010D             | JMF     |



Project Name: TRURO DPW

Lab Number: L2441230

Project Number: TRU2501.P2

Report Date: 07/31/24

## SAMPLE RESULTS

Lab ID: L2441230-02

Date Collected: 07/19/24 09:40

Client ID: SB-2 (4-6)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 97%

| Parameter                        | Result | Qualifier | Units | RL    | MDL | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|----------------------------------|--------|-----------|-------|-------|-----|-----------------|----------------|----------------|-------------|-------------------|---------|
| MCP Total Metals - Mansfield Lab |        |           |       |       |     |                 |                |                |             |                   |         |
| Antimony, Total                  | ND     |           | mg/kg | 4.04  | --  | 2               | 07/24/24 01:32 | 07/24/24 16:58 | EPA 3050B   | 97,6010D          | JMF     |
| Arsenic, Total                   | 2.44   |           | mg/kg | 0.808 | --  | 2               | 07/24/24 01:32 | 07/24/24 16:58 | EPA 3050B   | 97,6010D          | JMF     |
| Barium, Total                    | 10.3   |           | mg/kg | 0.808 | --  | 2               | 07/24/24 01:32 | 07/24/24 16:58 | EPA 3050B   | 97,6010D          | JMF     |
| Beryllium, Total                 | ND     |           | mg/kg | 0.404 | --  | 2               | 07/24/24 01:32 | 07/24/24 16:58 | EPA 3050B   | 97,6010D          | JMF     |
| Cadmium, Total                   | ND     |           | mg/kg | 0.808 | --  | 2               | 07/24/24 01:32 | 07/24/24 16:58 | EPA 3050B   | 97,6010D          | JMF     |
| Chromium, Total                  | 22.3   |           | mg/kg | 0.808 | --  | 2               | 07/24/24 01:32 | 07/24/24 16:58 | EPA 3050B   | 97,6010D          | JMF     |
| Lead, Total                      | ND     |           | mg/kg | 4.04  | --  | 2               | 07/24/24 01:32 | 07/24/24 16:58 | EPA 3050B   | 97,6010D          | JMF     |
| Mercury, Total                   | ND     |           | mg/kg | 0.080 | --  | 1               | 07/24/24 02:33 | 07/30/24 14:22 | EPA 7471B   | 97,7471B          | MJR     |
| Nickel, Total                    | 5.30   |           | mg/kg | 2.02  | --  | 2               | 07/24/24 01:32 | 07/24/24 16:58 | EPA 3050B   | 97,6010D          | JMF     |
| Selenium, Total                  | ND     |           | mg/kg | 4.04  | --  | 2               | 07/24/24 01:32 | 07/24/24 16:58 | EPA 3050B   | 97,6010D          | JMF     |
| Silver, Total                    | ND     |           | mg/kg | 0.808 | --  | 2               | 07/24/24 01:32 | 07/24/24 16:58 | EPA 3050B   | 97,6010D          | JMF     |
| Thallium, Total                  | ND     |           | mg/kg | 4.04  | --  | 2               | 07/24/24 01:32 | 07/24/24 16:58 | EPA 3050B   | 97,6010D          | JMF     |
| Vanadium, Total                  | 8.58   |           | mg/kg | 0.808 | --  | 2               | 07/24/24 01:32 | 07/24/24 16:58 | EPA 3050B   | 97,6010D          | JMF     |
| Zinc, Total                      | 6.00   |           | mg/kg | 4.04  | --  | 2               | 07/24/24 01:32 | 07/24/24 16:58 | EPA 3050B   | 97,6010D          | JMF     |



**Project Name:** TRURO DPW**Lab Number:** L2441230**Project Number:** TRU2501.P2**Report Date:** 07/31/24**SAMPLE RESULTS**

Lab ID: L2441230-03

Date Collected: 07/19/24 10:15

Client ID: SB-6 (2-4)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 99%

| Parameter                        | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Prep<br>Method | Analytical<br>Method | Analyst |
|----------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------|----------------------|---------|
| MCP Total Metals - Mansfield Lab |        |           |       |       |     |                    |                  |                  |                |                      |         |
| Antimony, Total                  | ND     |           | mg/kg | 3.81  | --  | 2                  | 07/24/24 01:32   | 07/24/24 17:02   | EPA 3050B      | 97,6010D             | JMF     |
| Arsenic, Total                   | 0.870  |           | mg/kg | 0.761 | --  | 2                  | 07/24/24 01:32   | 07/24/24 17:02   | EPA 3050B      | 97,6010D             | JMF     |
| Barium, Total                    | 2.26   |           | mg/kg | 0.761 | --  | 2                  | 07/24/24 01:32   | 07/24/24 17:02   | EPA 3050B      | 97,6010D             | JMF     |
| Beryllium, Total                 | ND     |           | mg/kg | 0.381 | --  | 2                  | 07/24/24 01:32   | 07/24/24 17:02   | EPA 3050B      | 97,6010D             | JMF     |
| Cadmium, Total                   | ND     |           | mg/kg | 0.761 | --  | 2                  | 07/24/24 01:32   | 07/24/24 17:02   | EPA 3050B      | 97,6010D             | JMF     |
| Chromium, Total                  | 0.957  |           | mg/kg | 0.761 | --  | 2                  | 07/24/24 01:32   | 07/24/24 17:02   | EPA 3050B      | 97,6010D             | JMF     |
| Lead, Total                      | ND     |           | mg/kg | 3.81  | --  | 2                  | 07/24/24 01:32   | 07/24/24 17:02   | EPA 3050B      | 97,6010D             | JMF     |
| Mercury, Total                   | ND     |           | mg/kg | 0.071 | --  | 1                  | 07/24/24 02:33   | 07/30/24 14:25   | EPA 7471B      | 97,7471B             | MJR     |
| Nickel, Total                    | ND     |           | mg/kg | 1.90  | --  | 2                  | 07/24/24 01:32   | 07/24/24 17:02   | EPA 3050B      | 97,6010D             | JMF     |
| Selenium, Total                  | ND     |           | mg/kg | 3.81  | --  | 2                  | 07/24/24 01:32   | 07/24/24 17:02   | EPA 3050B      | 97,6010D             | JMF     |
| Silver, Total                    | ND     |           | mg/kg | 0.761 | --  | 2                  | 07/24/24 01:32   | 07/24/24 17:02   | EPA 3050B      | 97,6010D             | JMF     |
| Thallium, Total                  | ND     |           | mg/kg | 3.81  | --  | 2                  | 07/24/24 01:32   | 07/24/24 17:02   | EPA 3050B      | 97,6010D             | JMF     |
| Vanadium, Total                  | 1.29   |           | mg/kg | 0.761 | --  | 2                  | 07/24/24 01:32   | 07/24/24 17:02   | EPA 3050B      | 97,6010D             | JMF     |
| Zinc, Total                      | ND     |           | mg/kg | 3.81  | --  | 2                  | 07/24/24 01:32   | 07/24/24 17:02   | EPA 3050B      | 97,6010D             | JMF     |



Project Name: TRURO DPW

Lab Number: L2441230

Project Number: TRU2501.P2

Report Date: 07/31/24

## SAMPLE RESULTS

Lab ID: L2441230-04

Date Collected: 07/19/24 12:30

Client ID: SB-7 (2-4)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 98%

| Parameter                        | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Prep<br>Method | Analytical<br>Method | Analyst |
|----------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------|----------------------|---------|
| MCP Total Metals - Mansfield Lab |        |           |       |       |     |                    |                  |                  |                |                      |         |
| Antimony, Total                  | ND     |           | mg/kg | 3.94  | --  | 2                  | 07/24/24 01:32   | 07/24/24 17:06   | EPA 3050B      | 97,6010D             | JMF     |
| Arsenic, Total                   | 2.20   |           | mg/kg | 0.787 | --  | 2                  | 07/24/24 01:32   | 07/24/24 17:06   | EPA 3050B      | 97,6010D             | JMF     |
| Barium, Total                    | 13.8   |           | mg/kg | 0.787 | --  | 2                  | 07/24/24 01:32   | 07/24/24 17:06   | EPA 3050B      | 97,6010D             | JMF     |
| Beryllium, Total                 | ND     |           | mg/kg | 0.394 | --  | 2                  | 07/24/24 01:32   | 07/24/24 17:06   | EPA 3050B      | 97,6010D             | JMF     |
| Cadmium, Total                   | ND     |           | mg/kg | 0.787 | --  | 2                  | 07/24/24 01:32   | 07/24/24 17:06   | EPA 3050B      | 97,6010D             | JMF     |
| Chromium, Total                  | 5.43   |           | mg/kg | 0.787 | --  | 2                  | 07/24/24 01:32   | 07/24/24 17:06   | EPA 3050B      | 97,6010D             | JMF     |
| Lead, Total                      | 31.3   |           | mg/kg | 3.94  | --  | 2                  | 07/24/24 01:32   | 07/24/24 17:06   | EPA 3050B      | 97,6010D             | JMF     |
| Mercury, Total                   | 0.136  |           | mg/kg | 0.072 | --  | 1                  | 07/24/24 02:33   | 07/30/24 14:29   | EPA 7471B      | 97,7471B             | MJR     |
| Nickel, Total                    | 2.67   |           | mg/kg | 1.97  | --  | 2                  | 07/24/24 01:32   | 07/24/24 17:06   | EPA 3050B      | 97,6010D             | JMF     |
| Selenium, Total                  | ND     |           | mg/kg | 3.94  | --  | 2                  | 07/24/24 01:32   | 07/24/24 17:06   | EPA 3050B      | 97,6010D             | JMF     |
| Silver, Total                    | ND     |           | mg/kg | 0.787 | --  | 2                  | 07/24/24 01:32   | 07/24/24 17:06   | EPA 3050B      | 97,6010D             | JMF     |
| Thallium, Total                  | ND     |           | mg/kg | 3.94  | --  | 2                  | 07/24/24 01:32   | 07/24/24 17:06   | EPA 3050B      | 97,6010D             | JMF     |
| Vanadium, Total                  | 5.99   |           | mg/kg | 0.787 | --  | 2                  | 07/24/24 01:32   | 07/24/24 17:06   | EPA 3050B      | 97,6010D             | JMF     |
| Zinc, Total                      | 28.9   |           | mg/kg | 3.94  | --  | 2                  | 07/24/24 01:32   | 07/24/24 17:06   | EPA 3050B      | 97,6010D             | JMF     |



Project Name: TRURO DPW

Lab Number: L2441230

Project Number: TRU2501.P2

Report Date: 07/31/24

## SAMPLE RESULTS

Lab ID: L2441230-05

Date Collected: 07/19/24 12:05

Client ID: SB-8 (8-10)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 97%

| Parameter                        | Result | Qualifier | Units | RL    | MDL | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|----------------------------------|--------|-----------|-------|-------|-----|-----------------|----------------|----------------|-------------|-------------------|---------|
| MCP Total Metals - Mansfield Lab |        |           |       |       |     |                 |                |                |             |                   |         |
| Antimony, Total                  | ND     |           | mg/kg | 3.97  | --  | 2               | 07/24/24 01:32 | 07/24/24 17:10 | EPA 3050B   | 97,6010D          | JMF     |
| Arsenic, Total                   | 1.10   |           | mg/kg | 0.793 | --  | 2               | 07/24/24 01:32 | 07/24/24 17:10 | EPA 3050B   | 97,6010D          | JMF     |
| Barium, Total                    | 4.36   |           | mg/kg | 0.793 | --  | 2               | 07/24/24 01:32 | 07/24/24 17:10 | EPA 3050B   | 97,6010D          | JMF     |
| Beryllium, Total                 | ND     |           | mg/kg | 0.397 | --  | 2               | 07/24/24 01:32 | 07/24/24 17:10 | EPA 3050B   | 97,6010D          | JMF     |
| Cadmium, Total                   | ND     |           | mg/kg | 0.793 | --  | 2               | 07/24/24 01:32 | 07/24/24 17:10 | EPA 3050B   | 97,6010D          | JMF     |
| Chromium, Total                  | 3.51   |           | mg/kg | 0.793 | --  | 2               | 07/24/24 01:32 | 07/24/24 17:10 | EPA 3050B   | 97,6010D          | JMF     |
| Lead, Total                      | 18.1   |           | mg/kg | 3.97  | --  | 2               | 07/24/24 01:32 | 07/24/24 17:10 | EPA 3050B   | 97,6010D          | JMF     |
| Mercury, Total                   | ND     |           | mg/kg | 0.069 | --  | 1               | 07/24/24 02:33 | 07/30/24 14:32 | EPA 7471B   | 97,7471B          | MJR     |
| Nickel, Total                    | ND     |           | mg/kg | 1.98  | --  | 2               | 07/24/24 01:32 | 07/24/24 17:10 | EPA 3050B   | 97,6010D          | JMF     |
| Selenium, Total                  | ND     |           | mg/kg | 3.97  | --  | 2               | 07/24/24 01:32 | 07/24/24 17:10 | EPA 3050B   | 97,6010D          | JMF     |
| Silver, Total                    | ND     |           | mg/kg | 0.793 | --  | 2               | 07/24/24 01:32 | 07/24/24 17:10 | EPA 3050B   | 97,6010D          | JMF     |
| Thallium, Total                  | ND     |           | mg/kg | 3.97  | --  | 2               | 07/24/24 01:32 | 07/24/24 17:10 | EPA 3050B   | 97,6010D          | JMF     |
| Vanadium, Total                  | 3.32   |           | mg/kg | 0.793 | --  | 2               | 07/24/24 01:32 | 07/24/24 17:10 | EPA 3050B   | 97,6010D          | JMF     |
| Zinc, Total                      | 7.66   |           | mg/kg | 3.97  | --  | 2               | 07/24/24 01:32 | 07/24/24 17:10 | EPA 3050B   | 97,6010D          | JMF     |



Project Name: TRURO DPW

Lab Number: L2441230

Project Number: TRU2501.P2

Report Date: 07/31/24

## SAMPLE RESULTS

Lab ID: L2441230-06

Date Collected: 07/19/24 11:45

Client ID: SB-9 (6-8)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 97%

| Parameter                        | Result | Qualifier | Units | RL    | MDL | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|----------------------------------|--------|-----------|-------|-------|-----|-----------------|----------------|----------------|-------------|-------------------|---------|
| MCP Total Metals - Mansfield Lab |        |           |       |       |     |                 |                |                |             |                   |         |
| Antimony, Total                  | ND     |           | mg/kg | 4.01  | --  | 2               | 07/24/24 01:32 | 07/24/24 17:14 | EPA 3050B   | 97,6010D          | JMF     |
| Arsenic, Total                   | 1.97   |           | mg/kg | 0.802 | --  | 2               | 07/24/24 01:32 | 07/24/24 17:14 | EPA 3050B   | 97,6010D          | JMF     |
| Barium, Total                    | 5.20   |           | mg/kg | 0.802 | --  | 2               | 07/24/24 01:32 | 07/24/24 17:14 | EPA 3050B   | 97,6010D          | JMF     |
| Beryllium, Total                 | ND     |           | mg/kg | 0.401 | --  | 2               | 07/24/24 01:32 | 07/24/24 17:14 | EPA 3050B   | 97,6010D          | JMF     |
| Cadmium, Total                   | ND     |           | mg/kg | 0.802 | --  | 2               | 07/24/24 01:32 | 07/24/24 17:14 | EPA 3050B   | 97,6010D          | JMF     |
| Chromium, Total                  | 7.25   |           | mg/kg | 0.802 | --  | 2               | 07/24/24 01:32 | 07/24/24 17:14 | EPA 3050B   | 97,6010D          | JMF     |
| Lead, Total                      | 24.8   |           | mg/kg | 4.01  | --  | 2               | 07/24/24 01:32 | 07/24/24 17:14 | EPA 3050B   | 97,6010D          | JMF     |
| Mercury, Total                   | ND     |           | mg/kg | 0.080 | --  | 1               | 07/24/24 02:33 | 07/30/24 14:35 | EPA 7471B   | 97,7471B          | MJR     |
| Nickel, Total                    | ND     |           | mg/kg | 2.00  | --  | 2               | 07/24/24 01:32 | 07/24/24 17:14 | EPA 3050B   | 97,6010D          | JMF     |
| Selenium, Total                  | ND     |           | mg/kg | 4.01  | --  | 2               | 07/24/24 01:32 | 07/24/24 17:14 | EPA 3050B   | 97,6010D          | JMF     |
| Silver, Total                    | ND     |           | mg/kg | 0.802 | --  | 2               | 07/24/24 01:32 | 07/24/24 17:14 | EPA 3050B   | 97,6010D          | JMF     |
| Thallium, Total                  | ND     |           | mg/kg | 4.01  | --  | 2               | 07/24/24 01:32 | 07/24/24 17:14 | EPA 3050B   | 97,6010D          | JMF     |
| Vanadium, Total                  | 4.60   |           | mg/kg | 0.802 | --  | 2               | 07/24/24 01:32 | 07/24/24 17:14 | EPA 3050B   | 97,6010D          | JMF     |
| Zinc, Total                      | 22.2   |           | mg/kg | 4.01  | --  | 2               | 07/24/24 01:32 | 07/24/24 17:14 | EPA 3050B   | 97,6010D          | JMF     |





Project Name: TRURO DPW

Lab Number: L2441230

Project Number: TRU2501.P2

Report Date: 07/31/24

## SAMPLE RESULTS

Lab ID: L2441230-07

Date Collected: 07/19/24 12:15

Client ID: SB-10 (4-6)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 99%

| Parameter                        | Result | Qualifier | Units | RL    | MDL | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|----------------------------------|--------|-----------|-------|-------|-----|-----------------|----------------|----------------|-------------|-------------------|---------|
| MCP Total Metals - Mansfield Lab |        |           |       |       |     |                 |                |                |             |                   |         |
| Antimony, Total                  | ND     |           | mg/kg | 3.87  | --  | 2               | 07/24/24 01:32 | 07/24/24 17:18 | EPA 3050B   | 97,6010D          | JMF     |
| Arsenic, Total                   | 1.17   |           | mg/kg | 0.775 | --  | 2               | 07/24/24 01:32 | 07/24/24 17:18 | EPA 3050B   | 97,6010D          | JMF     |
| Barium, Total                    | 5.81   |           | mg/kg | 0.775 | --  | 2               | 07/24/24 01:32 | 07/24/24 17:18 | EPA 3050B   | 97,6010D          | JMF     |
| Beryllium, Total                 | ND     |           | mg/kg | 0.387 | --  | 2               | 07/24/24 01:32 | 07/24/24 17:18 | EPA 3050B   | 97,6010D          | JMF     |
| Cadmium, Total                   | ND     |           | mg/kg | 0.775 | --  | 2               | 07/24/24 01:32 | 07/24/24 17:18 | EPA 3050B   | 97,6010D          | JMF     |
| Chromium, Total                  | 4.32   |           | mg/kg | 0.775 | --  | 2               | 07/24/24 01:32 | 07/24/24 17:18 | EPA 3050B   | 97,6010D          | JMF     |
| Lead, Total                      | 54.6   |           | mg/kg | 3.87  | --  | 2               | 07/24/24 01:32 | 07/24/24 17:18 | EPA 3050B   | 97,6010D          | JMF     |
| Mercury, Total                   | ND     |           | mg/kg | 0.067 | --  | 1               | 07/24/24 02:33 | 07/30/24 14:39 | EPA 7471B   | 97,7471B          | MJR     |
| Nickel, Total                    | ND     |           | mg/kg | 1.94  | --  | 2               | 07/24/24 01:32 | 07/24/24 17:18 | EPA 3050B   | 97,6010D          | JMF     |
| Selenium, Total                  | ND     |           | mg/kg | 3.87  | --  | 2               | 07/24/24 01:32 | 07/24/24 17:18 | EPA 3050B   | 97,6010D          | JMF     |
| Silver, Total                    | ND     |           | mg/kg | 0.775 | --  | 2               | 07/24/24 01:32 | 07/24/24 17:18 | EPA 3050B   | 97,6010D          | JMF     |
| Thallium, Total                  | ND     |           | mg/kg | 3.87  | --  | 2               | 07/24/24 01:32 | 07/24/24 17:18 | EPA 3050B   | 97,6010D          | JMF     |
| Vanadium, Total                  | 4.42   |           | mg/kg | 0.775 | --  | 2               | 07/24/24 01:32 | 07/24/24 17:18 | EPA 3050B   | 97,6010D          | JMF     |
| Zinc, Total                      | 12.7   |           | mg/kg | 3.87  | --  | 2               | 07/24/24 01:32 | 07/24/24 17:18 | EPA 3050B   | 97,6010D          | JMF     |



Project Name: TRURO DPW

Lab Number: L2441230

Project Number: TRU2501.P2

Report Date: 07/31/24

## SAMPLE RESULTS

Lab ID: L2441230-08

Date Collected: 07/19/24 11:20

Client ID: SB-11 (10-12)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 97%

| Parameter                        | Result | Qualifier | Units | RL    | MDL | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|----------------------------------|--------|-----------|-------|-------|-----|-----------------|----------------|----------------|-------------|-------------------|---------|
| MCP Total Metals - Mansfield Lab |        |           |       |       |     |                 |                |                |             |                   |         |
| Antimony, Total                  | ND     |           | mg/kg | 3.92  | --  | 2               | 07/24/24 01:32 | 07/24/24 17:22 | EPA 3050B   | 97,6010D          | JMF     |
| Arsenic, Total                   | 1.18   |           | mg/kg | 0.785 | --  | 2               | 07/24/24 01:32 | 07/24/24 17:22 | EPA 3050B   | 97,6010D          | JMF     |
| Barium, Total                    | 3.29   |           | mg/kg | 0.785 | --  | 2               | 07/24/24 01:32 | 07/24/24 17:22 | EPA 3050B   | 97,6010D          | JMF     |
| Beryllium, Total                 | ND     |           | mg/kg | 0.392 | --  | 2               | 07/24/24 01:32 | 07/24/24 17:22 | EPA 3050B   | 97,6010D          | JMF     |
| Cadmium, Total                   | ND     |           | mg/kg | 0.785 | --  | 2               | 07/24/24 01:32 | 07/24/24 17:22 | EPA 3050B   | 97,6010D          | JMF     |
| Chromium, Total                  | 3.10   |           | mg/kg | 0.785 | --  | 2               | 07/24/24 01:32 | 07/24/24 17:22 | EPA 3050B   | 97,6010D          | JMF     |
| Lead, Total                      | 30.7   |           | mg/kg | 3.92  | --  | 2               | 07/24/24 01:32 | 07/24/24 17:22 | EPA 3050B   | 97,6010D          | JMF     |
| Mercury, Total                   | ND     |           | mg/kg | 0.074 | --  | 1               | 07/24/24 02:33 | 07/30/24 14:42 | EPA 7471B   | 97,7471B          | MJR     |
| Nickel, Total                    | ND     |           | mg/kg | 1.96  | --  | 2               | 07/24/24 01:32 | 07/24/24 17:22 | EPA 3050B   | 97,6010D          | JMF     |
| Selenium, Total                  | ND     |           | mg/kg | 3.92  | --  | 2               | 07/24/24 01:32 | 07/24/24 17:22 | EPA 3050B   | 97,6010D          | JMF     |
| Silver, Total                    | ND     |           | mg/kg | 0.785 | --  | 2               | 07/24/24 01:32 | 07/24/24 17:22 | EPA 3050B   | 97,6010D          | JMF     |
| Thallium, Total                  | ND     |           | mg/kg | 3.92  | --  | 2               | 07/24/24 01:32 | 07/24/24 17:22 | EPA 3050B   | 97,6010D          | JMF     |
| Vanadium, Total                  | 3.98   |           | mg/kg | 0.785 | --  | 2               | 07/24/24 01:32 | 07/24/24 17:22 | EPA 3050B   | 97,6010D          | JMF     |
| Zinc, Total                      | 10.4   |           | mg/kg | 3.92  | --  | 2               | 07/24/24 01:32 | 07/24/24 17:22 | EPA 3050B   | 97,6010D          | JMF     |



**Project Name:** TRURO DPW**Lab Number:** L2441230**Project Number:** TRU2501.P2**Report Date:** 07/31/24**SAMPLE RESULTS**

Lab ID: L2441230-09

Date Collected: 07/19/24 13:00

Client ID: SB-12 (16-18)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 97%

| Parameter                        | Result | Qualifier | Units | RL    | MDL | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|----------------------------------|--------|-----------|-------|-------|-----|-----------------|----------------|----------------|-------------|-------------------|---------|
| MCP Total Metals - Mansfield Lab |        |           |       |       |     |                 |                |                |             |                   |         |
| Antimony, Total                  | ND     |           | mg/kg | 4.02  | --  | 2               | 07/24/24 01:32 | 07/24/24 17:26 | EPA 3050B   | 97,6010D          | JMF     |
| Arsenic, Total                   | 1.30   |           | mg/kg | 0.803 | --  | 2               | 07/24/24 01:32 | 07/24/24 17:26 | EPA 3050B   | 97,6010D          | JMF     |
| Barium, Total                    | 2.95   |           | mg/kg | 0.803 | --  | 2               | 07/24/24 01:32 | 07/24/24 17:26 | EPA 3050B   | 97,6010D          | JMF     |
| Beryllium, Total                 | ND     |           | mg/kg | 0.402 | --  | 2               | 07/24/24 01:32 | 07/24/24 17:26 | EPA 3050B   | 97,6010D          | JMF     |
| Cadmium, Total                   | ND     |           | mg/kg | 0.803 | --  | 2               | 07/24/24 01:32 | 07/24/24 17:26 | EPA 3050B   | 97,6010D          | JMF     |
| Chromium, Total                  | 2.88   |           | mg/kg | 0.803 | --  | 2               | 07/24/24 01:32 | 07/24/24 17:26 | EPA 3050B   | 97,6010D          | JMF     |
| Lead, Total                      | 24.3   |           | mg/kg | 4.02  | --  | 2               | 07/24/24 01:32 | 07/24/24 17:26 | EPA 3050B   | 97,6010D          | JMF     |
| Mercury, Total                   | ND     |           | mg/kg | 0.073 | --  | 1               | 07/24/24 02:33 | 07/30/24 15:06 | EPA 7471B   | 97,7471B          | MJR     |
| Nickel, Total                    | ND     |           | mg/kg | 2.01  | --  | 2               | 07/24/24 01:32 | 07/24/24 17:26 | EPA 3050B   | 97,6010D          | JMF     |
| Selenium, Total                  | ND     |           | mg/kg | 4.02  | --  | 2               | 07/24/24 01:32 | 07/24/24 17:26 | EPA 3050B   | 97,6010D          | JMF     |
| Silver, Total                    | ND     |           | mg/kg | 0.803 | --  | 2               | 07/24/24 01:32 | 07/24/24 17:26 | EPA 3050B   | 97,6010D          | JMF     |
| Thallium, Total                  | ND     |           | mg/kg | 4.02  | --  | 2               | 07/24/24 01:32 | 07/24/24 17:26 | EPA 3050B   | 97,6010D          | JMF     |
| Vanadium, Total                  | 3.63   |           | mg/kg | 0.803 | --  | 2               | 07/24/24 01:32 | 07/24/24 17:26 | EPA 3050B   | 97,6010D          | JMF     |
| Zinc, Total                      | 8.87   |           | mg/kg | 4.02  | --  | 2               | 07/24/24 01:32 | 07/24/24 17:26 | EPA 3050B   | 97,6010D          | JMF     |



Project Name: TRURO DPW

Lab Number: L2441230

Project Number: TRU2501.P2

Report Date: 07/31/24

## SAMPLE RESULTS

Lab ID: L2441230-10

Date Collected: 07/19/24 09:50

Client ID: SB-14 (4-6)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 97%

| Parameter                        | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Prep<br>Method | Analytical<br>Method | Analyst |
|----------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------|----------------------|---------|
| MCP Total Metals - Mansfield Lab |        |           |       |       |     |                    |                  |                  |                |                      |         |
| Antimony, Total                  | ND     |           | mg/kg | 4.02  | --  | 2                  | 07/24/24 01:32   | 07/24/24 17:30   | EPA 3050B      | 97,6010D             | JMF     |
| Arsenic, Total                   | 2.64   |           | mg/kg | 0.803 | --  | 2                  | 07/24/24 01:32   | 07/24/24 17:30   | EPA 3050B      | 97,6010D             | JMF     |
| Barium, Total                    | 4.79   |           | mg/kg | 0.803 | --  | 2                  | 07/24/24 01:32   | 07/24/24 17:30   | EPA 3050B      | 97,6010D             | JMF     |
| Beryllium, Total                 | ND     |           | mg/kg | 0.402 | --  | 2                  | 07/24/24 01:32   | 07/24/24 17:30   | EPA 3050B      | 97,6010D             | JMF     |
| Cadmium, Total                   | ND     |           | mg/kg | 0.803 | --  | 2                  | 07/24/24 01:32   | 07/24/24 17:30   | EPA 3050B      | 97,6010D             | JMF     |
| Chromium, Total                  | 10.5   |           | mg/kg | 0.803 | --  | 2                  | 07/24/24 01:32   | 07/24/24 17:30   | EPA 3050B      | 97,6010D             | JMF     |
| Lead, Total                      | ND     |           | mg/kg | 4.02  | --  | 2                  | 07/24/24 01:32   | 07/24/24 17:30   | EPA 3050B      | 97,6010D             | JMF     |
| Mercury, Total                   | ND     |           | mg/kg | 0.069 | --  | 1                  | 07/24/24 02:33   | 07/30/24 15:09   | EPA 7471B      | 97,7471B             | MJR     |
| Nickel, Total                    | 6.55   |           | mg/kg | 2.01  | --  | 2                  | 07/24/24 01:32   | 07/24/24 17:30   | EPA 3050B      | 97,6010D             | JMF     |
| Selenium, Total                  | ND     |           | mg/kg | 4.02  | --  | 2                  | 07/24/24 01:32   | 07/24/24 17:30   | EPA 3050B      | 97,6010D             | JMF     |
| Silver, Total                    | ND     |           | mg/kg | 0.803 | --  | 2                  | 07/24/24 01:32   | 07/24/24 17:30   | EPA 3050B      | 97,6010D             | JMF     |
| Thallium, Total                  | ND     |           | mg/kg | 4.02  | --  | 2                  | 07/24/24 01:32   | 07/24/24 17:30   | EPA 3050B      | 97,6010D             | JMF     |
| Vanadium, Total                  | 9.09   |           | mg/kg | 0.803 | --  | 2                  | 07/24/24 01:32   | 07/24/24 17:30   | EPA 3050B      | 97,6010D             | JMF     |
| Zinc, Total                      | 10.5   |           | mg/kg | 4.02  | --  | 2                  | 07/24/24 01:32   | 07/24/24 17:30   | EPA 3050B      | 97,6010D             | JMF     |



**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

## Method Blank Analysis Batch Quality Control

| Parameter                                                                | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|--------------------------------------------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| MCP Total Metals - Mansfield Lab for sample(s): 01-12 Batch: WG1950493-1 |        |           |       |       |     |                    |                  |                  |                      |         |
| Antimony, Total                                                          | ND     |           | mg/kg | 2.00  | --  | 1                  | 07/24/24 01:32   | 07/24/24 15:58   | 97,6010D             | JMF     |
| Arsenic, Total                                                           | ND     |           | mg/kg | 0.400 | --  | 1                  | 07/24/24 01:32   | 07/24/24 15:58   | 97,6010D             | JMF     |
| Barium, Total                                                            | ND     |           | mg/kg | 0.400 | --  | 1                  | 07/24/24 01:32   | 07/24/24 15:58   | 97,6010D             | JMF     |
| Beryllium, Total                                                         | ND     |           | mg/kg | 0.200 | --  | 1                  | 07/24/24 01:32   | 07/24/24 15:58   | 97,6010D             | JMF     |
| Cadmium, Total                                                           | ND     |           | mg/kg | 0.400 | --  | 1                  | 07/24/24 01:32   | 07/24/24 15:58   | 97,6010D             | JMF     |
| Chromium, Total                                                          | ND     |           | mg/kg | 0.400 | --  | 1                  | 07/24/24 01:32   | 07/24/24 15:58   | 97,6010D             | JMF     |
| Lead, Total                                                              | ND     |           | mg/kg | 2.00  | --  | 1                  | 07/24/24 01:32   | 07/24/24 15:58   | 97,6010D             | JMF     |
| Nickel, Total                                                            | ND     |           | mg/kg | 1.00  | --  | 1                  | 07/24/24 01:32   | 07/24/24 15:58   | 97,6010D             | JMF     |
| Selenium, Total                                                          | ND     |           | mg/kg | 2.00  | --  | 1                  | 07/24/24 01:32   | 07/24/24 15:58   | 97,6010D             | JMF     |
| Silver, Total                                                            | ND     |           | mg/kg | 0.400 | --  | 1                  | 07/24/24 01:32   | 07/24/24 15:58   | 97,6010D             | JMF     |
| Thallium, Total                                                          | ND     |           | mg/kg | 2.00  | --  | 1                  | 07/24/24 01:32   | 07/24/24 15:58   | 97,6010D             | JMF     |
| Vanadium, Total                                                          | ND     |           | mg/kg | 0.400 | --  | 1                  | 07/24/24 01:32   | 07/24/24 15:58   | 97,6010D             | JMF     |
| Zinc, Total                                                              | ND     |           | mg/kg | 2.00  | --  | 1                  | 07/24/24 01:32   | 07/24/24 15:58   | 97,6010D             | JMF     |

### Prep Information

Digestion Method: EPA 3050B

| Parameter                                                                | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|--------------------------------------------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| MCP Total Metals - Mansfield Lab for sample(s): 01-10 Batch: WG1950494-1 |        |           |       |       |     |                    |                  |                  |                      |         |
| Mercury, Total                                                           | ND     |           | mg/kg | 0.083 | --  | 1                  | 07/24/24 02:33   | 07/30/24 13:55   | 97,7471B             | MJR     |

### Prep Information

Digestion Method: EPA 7471B



# **Lab Control Sample Analysis** Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU2501.P2

Lab Number: L2441230

Report Date: 07/31/24

| Parameter                                                                                                            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD Limits |
|----------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|------------|
| MCP Total Metals - Mansfield Lab Associated sample(s): 01-12 Batch: WG1950493-2 WG1950493-3 SRM Lot Number: D123-540 |                  |      |                   |      |                     |     |      |            |
| Antimony, Total                                                                                                      | 132              |      | 133               |      | 2-201               | 1   |      | 30         |
| Arsenic, Total                                                                                                       | 97               |      | 97                |      | 82-118              | 0   |      | 30         |
| Barium, Total                                                                                                        | 95               |      | 105               |      | 82-118              | 10  |      | 30         |
| Beryllium, Total                                                                                                     | 96               |      | 102               |      | 83-117              | 6   |      | 30         |
| Cadmium, Total                                                                                                       | 97               |      | 98                |      | 83-118              | 1   |      | 30         |
| Chromium, Total                                                                                                      | 97               |      | 98                |      | 81-118              | 1   |      | 30         |
| Lead, Total                                                                                                          | 99               |      | 97                |      | 82-119              | 2   |      | 30         |
| Nickel, Total                                                                                                        | 100              |      | 102               |      | 82-118              | 2   |      | 30         |
| Selenium, Total                                                                                                      | 102              |      | 103               |      | 81-119              | 1   |      | 30         |
| Silver, Total                                                                                                        | 100              |      | 97                |      | 79-120              | 3   |      | 30         |
| Thallium, Total                                                                                                      | 98               |      | 100               |      | 81-120              | 2   |      | 30         |
| Vanadium, Total                                                                                                      | 98               |      | 99                |      | 78-122              | 1   |      | 30         |
| Zinc, Total                                                                                                          | 96               |      | 98                |      | 80-120              | 2   |      | 30         |
| MCP Total Metals - Mansfield Lab Associated sample(s): 01-10 Batch: WG1950494-2 WG1950494-3 SRM Lot Number: D123-540 |                  |      |                   |      |                     |     |      |            |
| Mercury, Total                                                                                                       | 91               |      | 91                |      | 67-132              | 0   |      | 30         |

# **INORGANICS & MISCELLANEOUS**

**Project Name:** TRURO DPW**Project Number:** TRU2501.P2**Lab Number:** L2441230**Report Date:** 07/31/24**SAMPLE RESULTS****Lab ID:** L2441230-01**Client ID:** SB-1 (2-4)**Sample Location:** TRURO, MA**Date Collected:** 07/19/24 09:15**Date Received:** 07/23/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 98.2   |           | %     | 0.100 | NA  | 1                  | -                | 07/24/24 09:39   | 121,2540G            | ROI     |





**Project Name:** TRURO DPW**Project Number:** TRU2501.P2**Lab Number:** L2441230**Report Date:** 07/31/24**SAMPLE RESULTS****Lab ID:** L2441230-02**Client ID:** SB-2 (4-6)**Sample Location:** TRURO, MA**Date Collected:** 07/19/24 09:40**Date Received:** 07/23/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 97.1   |           | %     | 0.100 | NA  | 1                  | -                | 07/24/24 09:39   | 121,2540G            | ROI     |



**Project Name:** TRURO DPW**Project Number:** TRU2501.P2**Lab Number:** L2441230**Report Date:** 07/31/24**SAMPLE RESULTS****Lab ID:** L2441230-03**Client ID:** SB-6 (2-4)**Sample Location:** TRURO, MA**Date Collected:** 07/19/24 10:15**Date Received:** 07/23/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 98.6   |           | %     | 0.100 | NA  | 1                  | -                | 07/24/24 09:39   | 121,2540G            | ROI     |



Project Name: TRURO DPW

Project Number: TRU2501.P2

Lab Number: L2441230

Report Date: 07/31/24

## SAMPLE RESULTS

Lab ID: L2441230-04

Client ID: SB-7 (2-4)

Sample Location: TRURO, MA

Date Collected: 07/19/24 12:30

Date Received: 07/23/24

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 98.1   |           | %     | 0.100 | NA  | 1                  | -                | 07/24/24 09:39   | 121,2540G            | ROI     |



**Project Name:** TRURO DPW**Project Number:** TRU2501.P2**Lab Number:** L2441230**Report Date:** 07/31/24**SAMPLE RESULTS****Lab ID:** L2441230-05**Client ID:** SB-8 (8-10)**Sample Location:** TRURO, MA**Date Collected:** 07/19/24 12:05**Date Received:** 07/23/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 97.1   |           | %     | 0.100 | NA  | 1                  | -                | 07/24/24 09:39   | 121,2540G            | ROI     |



**Project Name:** TRURO DPW**Project Number:** TRU2501.P2**Lab Number:** L2441230**Report Date:** 07/31/24**SAMPLE RESULTS****Lab ID:** L2441230-06**Client ID:** SB-9 (6-8)**Sample Location:** TRURO, MA**Date Collected:** 07/19/24 11:45**Date Received:** 07/23/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 96.7   |           | %     | 0.100 | NA  | 1                  | -                | 07/24/24 09:39   | 121,2540G            | ROI     |



**Project Name:** TRURO DPW**Project Number:** TRU2501.P2**Lab Number:** L2441230**Report Date:** 07/31/24**SAMPLE RESULTS****Lab ID:** L2441230-07**Client ID:** SB-10 (4-6)**Sample Location:** TRURO, MA**Date Collected:** 07/19/24 12:15**Date Received:** 07/23/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 98.6   |           | %     | 0.100 | NA  | 1                  | -                | 07/24/24 09:39   | 121,2540G            | ROI     |



**Project Name:** TRURO DPW**Project Number:** TRU2501.P2**Lab Number:** L2441230**Report Date:** 07/31/24**SAMPLE RESULTS****Lab ID:** L2441230-08**Client ID:** SB-11 (10-12)**Sample Location:** TRURO, MA**Date Collected:** 07/19/24 11:20**Date Received:** 07/23/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 97.4   |           | %     | 0.100 | NA  | 1                  | -                | 07/24/24 09:39   | 121,2540G            | ROI     |



**Project Name:** TRURO DPW**Project Number:** TRU2501.P2**Lab Number:** L2441230**Report Date:** 07/31/24**SAMPLE RESULTS****Lab ID:** L2441230-09**Client ID:** SB-12 (16-18)**Sample Location:** TRURO, MA**Date Collected:** 07/19/24 13:00**Date Received:** 07/23/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 97.1   |           | %     | 0.100 | NA  | 1                  | -                | 07/24/24 09:39   | 121,2540G            | ROI     |





**Project Name:** TRURO DPW**Project Number:** TRU2501.P2**Lab Number:** L2441230**Report Date:** 07/31/24**SAMPLE RESULTS****Lab ID:** L2441230-10**Client ID:** SB-14 (4-6)**Sample Location:** TRURO, MA**Date Collected:** 07/19/24 09:50**Date Received:** 07/23/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 96.8   |           | %     | 0.100 | NA  | 1                  | -                | 07/24/24 09:39   | 121,2540G            | ROI     |



**Lab Duplicate Analysis**  
*Batch Quality Control***Project Name:** TRURO DPW**Project Number:** TRU2501.P2**Lab Number:** L2441230**Report Date:** 07/31/24

| Parameter                                                                                                                             | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| General Chemistry - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG1950682-1 QC Sample: L2441230-01 Client ID: SB-1 (2-4) |               |                  |       |     |      |            |
| Solids, Total                                                                                                                         | 98.2          | 98.5             | %     | 0   |      | 20         |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

Serial\_No:07312413:25  
**Lab Number:** L2441230  
**Report Date:** 07/31/24

**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information**

| Cooler | Custody Seal |
|--------|--------------|
| A      | Absent       |
| B      | Absent       |

**Container Information**

| Container ID | Container Type                 | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal   | Frozen Date/Time | Analysis(*)                                                                                                                                                                                                                                                                                      |
|--------------|--------------------------------|--------|------------|----------|------------|------|--------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L2441230-01A | Vial MeOH preserved            | B      | NA         |          | 3.8        | Y    | Absent |                  | MCP-8260HLW-21(14),VPH-DELUX-18(28)                                                                                                                                                                                                                                                              |
| L2441230-01B | Vial water preserved           | B      | NA         |          | 3.8        | Y    | Absent | 19-JUL-24 17:00  | MCP-8260HLW-21(14)                                                                                                                                                                                                                                                                               |
| L2441230-01C | Vial water preserved           | B      | NA         |          | 3.8        | Y    | Absent | 19-JUL-24 17:00  | MCP-8260HLW-21(14)                                                                                                                                                                                                                                                                               |
| L2441230-01D | Plastic 2oz unpreserved for TS | B      | NA         |          | 3.8        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                            |
| L2441230-01E | Plastic 2oz unpreserved for TS | B      | NA         |          | 3.8        | Y    | Absent |                  | MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-TL-6010T-10(180),MCP-CD-6010T-10(180),MCP-7471T-10(28),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-AG-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180) |
| L2441230-01F | Glass 60mL/2oz unpreserved     | B      | NA         |          | 3.8        | Y    | Absent |                  | EPH-20(14)                                                                                                                                                                                                                                                                                       |
| L2441230-01G | Glass 500ml/16oz unpreserved   | B      | NA         |          | 3.8        | Y    | Absent |                  | MCP-8082-10(365),MCP-8151-10(14),MCP-8081-10(14),MCP-8270-21(14)                                                                                                                                                                                                                                 |
| L2441230-02A | Vial MeOH preserved            | B      | NA         |          | 3.8        | Y    | Absent |                  | MCP-8260HLW-21(14),VPH-DELUX-18(28)                                                                                                                                                                                                                                                              |
| L2441230-02B | Vial water preserved           | B      | NA         |          | 3.8        | Y    | Absent | 19-JUL-24 17:00  | MCP-8260HLW-21(14)                                                                                                                                                                                                                                                                               |
| L2441230-02C | Vial water preserved           | B      | NA         |          | 3.8        | Y    | Absent | 19-JUL-24 17:00  | MCP-8260HLW-21(14)                                                                                                                                                                                                                                                                               |
| L2441230-02D | Plastic 2oz unpreserved for TS | B      | NA         |          | 3.8        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                            |
| L2441230-02E | Plastic 2oz unpreserved for TS | B      | NA         |          | 3.8        | Y    | Absent |                  | MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-SB-6010T-10(180),MCP-AG-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-PB-6010T-10(180),MCP-NI-6010T-10(180) |
| L2441230-02F | Glass 60mL/2oz unpreserved     | B      | NA         |          | 3.8        | Y    | Absent |                  | EPH-20(14)                                                                                                                                                                                                                                                                                       |
| L2441230-02G | Glass 500ml/16oz unpreserved   | B      | NA         |          | 3.8        | Y    | Absent |                  | MCP-8082-10(365),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-21(14)                                                                                                                                                                                                                                 |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Serial\_No:**07312413:25  
**Lab Number:** L2441230  
**Report Date:** 07/31/24

**Container Information**

| Container ID | Container Type                 | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal   | Frozen Date/Time | Analysis(*)                                                                                                                                                                                                                                                                                      |
|--------------|--------------------------------|--------|------------|----------|------------|------|--------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L2441230-03A | Vial MeOH preserved            | B      | NA         |          | 3.8        | Y    | Absent |                  | MCP-8260HLW-21(14),VPH-DELUX-18(28)                                                                                                                                                                                                                                                              |
| L2441230-03B | Vial water preserved           | B      | NA         |          | 3.8        | Y    | Absent | 19-JUL-24 17:00  | MCP-8260HLW-21(14)                                                                                                                                                                                                                                                                               |
| L2441230-03C | Vial water preserved           | B      | NA         |          | 3.8        | Y    | Absent | 19-JUL-24 17:00  | MCP-8260HLW-21(14)                                                                                                                                                                                                                                                                               |
| L2441230-03D | Plastic 2oz unpreserved for TS | B      | NA         |          | 3.8        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                            |
| L2441230-03E | Plastic 2oz unpreserved for TS | B      | NA         |          | 3.8        | Y    | Absent |                  | MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SB-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180) |
| L2441230-03F | Glass 60mL/2oz unpreserved     | B      | NA         |          | 3.8        | Y    | Absent |                  | EPH-DELUX-20(14)                                                                                                                                                                                                                                                                                 |
| L2441230-03G | Glass 500ml/16oz unpreserved   | B      | NA         |          | 3.8        | Y    | Absent |                  | MCP-8082-10(365)                                                                                                                                                                                                                                                                                 |
| L2441230-04A | Vial MeOH preserved            | B      | NA         |          | 3.8        | Y    | Absent |                  | MCP-8260HLW-21(14),VPH-DELUX-18(28)                                                                                                                                                                                                                                                              |
| L2441230-04B | Vial water preserved           | B      | NA         |          | 3.8        | Y    | Absent | 19-JUL-24 17:00  | MCP-8260HLW-21(14)                                                                                                                                                                                                                                                                               |
| L2441230-04C | Vial water preserved           | B      | NA         |          | 3.8        | Y    | Absent | 19-JUL-24 17:00  | MCP-8260HLW-21(14)                                                                                                                                                                                                                                                                               |
| L2441230-04D | Plastic 2oz unpreserved for TS | B      | NA         |          | 3.8        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                            |
| L2441230-04E | Plastic 2oz unpreserved for TS | B      | NA         |          | 3.8        | Y    | Absent |                  | MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-CD-6010T-10(180),MCP-7471T-10(28),MCP-TL-6010T-10(180),MCP-SB-6010T-10(180),MCP-AG-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180) |
| L2441230-04F | Glass 250ml/8oz unpreserved    | B      | NA         |          | 3.8        | Y    | Absent |                  | EPH-DELUX-20(14)                                                                                                                                                                                                                                                                                 |
| L2441230-04G | Glass 500ml/16oz unpreserved   | B      | NA         |          | 3.8        | Y    | Absent |                  | MCP-8082-10(365),MCP-8081-10(14),MCP-8151-10(14)                                                                                                                                                                                                                                                 |
| L2441230-05A | Vial MeOH preserved            | B      | NA         |          | 3.8        | Y    | Absent |                  | MCP-8260HLW-21(14),VPH-DELUX-18(28)                                                                                                                                                                                                                                                              |
| L2441230-05B | Vial water preserved           | B      | NA         |          | 3.8        | Y    | Absent | 19-JUL-24 17:00  | MCP-8260HLW-21(14)                                                                                                                                                                                                                                                                               |
| L2441230-05C | Vial water preserved           | B      | NA         |          | 3.8        | Y    | Absent | 19-JUL-24 17:00  | MCP-8260HLW-21(14)                                                                                                                                                                                                                                                                               |
| L2441230-05D | Plastic 2oz unpreserved for TS | B      | NA         |          | 3.8        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                            |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

Serial\_No:07312413:25  
**Lab Number:** L2441230  
**Report Date:** 07/31/24

**Container Information**

| Container ID | Container Type                 | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal   | Frozen Date/Time | Analysis(*)                                                                                                                                                                                                                                                                                      |
|--------------|--------------------------------|--------|------------|----------|------------|------|--------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L2441230-05E | Plastic 2oz unpreserved for TS | B      | NA         |          | 3.8        | Y    | Absent |                  | MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-TL-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-ZN-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180) |
| L2441230-05F | Glass 60mL/2oz unpreserved     | B      | NA         |          | 3.8        | Y    | Absent |                  | EPH-20(14)                                                                                                                                                                                                                                                                                       |
| L2441230-05G | Glass 500ml/16oz unpreserved   | B      | NA         |          | 3.8        | Y    | Absent |                  | MCP-8082-10(365),MCP-8270-21(14)                                                                                                                                                                                                                                                                 |
| L2441230-06A | Vial MeOH preserved            | B      | NA         |          | 3.8        | Y    | Absent |                  | MCP-8260HLW-21(14),VPH-DELUX-18(28)                                                                                                                                                                                                                                                              |
| L2441230-06B | Vial water preserved           | B      | NA         |          | 3.8        | Y    | Absent | 19-JUL-24 17:00  | MCP-8260HLW-21(14)                                                                                                                                                                                                                                                                               |
| L2441230-06C | Vial water preserved           | B      | NA         |          | 3.8        | Y    | Absent | 19-JUL-24 17:00  | MCP-8260HLW-21(14)                                                                                                                                                                                                                                                                               |
| L2441230-06D | Plastic 2oz unpreserved for TS | B      | NA         |          | 3.8        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                            |
| L2441230-06E | Plastic 2oz unpreserved for TS | B      | NA         |          | 3.8        | Y    | Absent |                  | MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-CD-6010T-10(180),MCP-7471T-10(28),MCP-TL-6010T-10(180),MCP-ZN-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180) |
| L2441230-06F | Glass 60mL/2oz unpreserved     | B      | NA         |          | 3.8        | Y    | Absent |                  | EPH-20(14)                                                                                                                                                                                                                                                                                       |
| L2441230-06G | Glass 500ml/16oz unpreserved   | B      | NA         |          | 3.8        | Y    | Absent |                  | MCP-8082-10(365),MCP-8270-21(14)                                                                                                                                                                                                                                                                 |
| L2441230-07A | Vial MeOH preserved            | B      | NA         |          | 3.8        | Y    | Absent |                  | MCP-8260HLW-21(14),VPH-DELUX-18(28)                                                                                                                                                                                                                                                              |
| L2441230-07B | Vial water preserved           | B      | NA         |          | 3.8        | Y    | Absent | 19-JUL-24 17:00  | MCP-8260HLW-21(14)                                                                                                                                                                                                                                                                               |
| L2441230-07C | Vial water preserved           | B      | NA         |          | 3.8        | Y    | Absent | 19-JUL-24 17:00  | MCP-8260HLW-21(14)                                                                                                                                                                                                                                                                               |
| L2441230-07D | Plastic 2oz unpreserved for TS | B      | NA         |          | 3.8        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                            |
| L2441230-07E | Plastic 2oz unpreserved for TS | B      | NA         |          | 3.8        | Y    | Absent |                  | MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-7471T-10(28),MCP-SB-6010T-10(180),MCP-AG-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SE-6010T-10(180),MCP-BE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-PB-6010T-10(180),MCP-NI-6010T-10(180) |
| L2441230-07F | Glass 60mL/2oz unpreserved     | B      | NA         |          | 3.8        | Y    | Absent |                  | EPH-20(14)                                                                                                                                                                                                                                                                                       |
| L2441230-07G | Glass 500ml/16oz unpreserved   | B      | NA         |          | 3.8        | Y    | Absent |                  | MCP-8082-10(365),MCP-8270-21(14)                                                                                                                                                                                                                                                                 |
| L2441230-08A | Vial MeOH preserved            | B      | NA         |          | 3.8        | Y    | Absent |                  | MCP-8260HLW-21(14),VPH-DELUX-18(28)                                                                                                                                                                                                                                                              |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Serial\_No:**07312413:25  
**Lab Number:** L2441230  
**Report Date:** 07/31/24

**Container Information**

| Container ID | Container Type                 | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal   | Frozen Date/Time | Analysis(*)                                                                                                                                                                                                                                                                                      |
|--------------|--------------------------------|--------|------------|----------|------------|------|--------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L2441230-08B | Vial water preserved           | B      | NA         |          | 3.8        | Y    | Absent | 19-JUL-24 17:00  | MCP-8260HLW-21(14)                                                                                                                                                                                                                                                                               |
| L2441230-08C | Vial water preserved           | B      | NA         |          | 3.8        | Y    | Absent | 19-JUL-24 17:00  | MCP-8260HLW-21(14)                                                                                                                                                                                                                                                                               |
| L2441230-08D | Plastic 2oz unpreserved for TS | B      | NA         |          | 3.8        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                            |
| L2441230-08E | Plastic 2oz unpreserved for TS | B      | NA         |          | 3.8        | Y    | Absent |                  | MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-7471T-10(28),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180) |
| L2441230-08F | Glass 60mL/2oz unpreserved     | B      | NA         |          | 3.8        | Y    | Absent |                  | EPH-20(14)                                                                                                                                                                                                                                                                                       |
| L2441230-08G | Glass 500ml/16oz unpreserved   | B      | NA         |          | 3.8        | Y    | Absent |                  | MCP-8082-10(365),MCP-8270-21(14)                                                                                                                                                                                                                                                                 |
| L2441230-09A | Vial MeOH preserved            | B      | NA         |          | 3.8        | Y    | Absent |                  | MCP-8260HLW-21(14),VPH-DELUX-18(28)                                                                                                                                                                                                                                                              |
| L2441230-09B | Vial water preserved           | B      | NA         |          | 3.8        | Y    | Absent | 19-JUL-24 17:00  | MCP-8260HLW-21(14)                                                                                                                                                                                                                                                                               |
| L2441230-09C | Vial water preserved           | B      | NA         |          | 3.8        | Y    | Absent | 19-JUL-24 17:00  | MCP-8260HLW-21(14)                                                                                                                                                                                                                                                                               |
| L2441230-09D | Plastic 2oz unpreserved for TS | B      | NA         |          | 3.8        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                            |
| L2441230-09E | Plastic 2oz unpreserved for TS | B      | NA         |          | 3.8        | Y    | Absent |                  | MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-TL-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-PB-6010T-10(180),MCP-NI-6010T-10(180) |
| L2441230-09F | Glass 60mL/2oz unpreserved     | B      | NA         |          | 3.8        | Y    | Absent |                  | EPH-20(14)                                                                                                                                                                                                                                                                                       |
| L2441230-09G | Glass 500ml/16oz unpreserved   | B      | NA         |          | 3.8        | Y    | Absent |                  | MCP-8082-10(365),MCP-8270-21(14)                                                                                                                                                                                                                                                                 |
| L2441230-10A | Vial MeOH preserved            | B      | NA         |          | 3.8        | Y    | Absent |                  | MCP-8260HLW-21(14),VPH-DELUX-18(28)                                                                                                                                                                                                                                                              |
| L2441230-10B | Vial water preserved           | B      | NA         |          | 3.8        | Y    | Absent | 19-JUL-24 17:00  | MCP-8260HLW-21(14)                                                                                                                                                                                                                                                                               |
| L2441230-10C | Vial water preserved           | B      | NA         |          | 3.8        | Y    | Absent | 19-JUL-24 17:00  | MCP-8260HLW-21(14)                                                                                                                                                                                                                                                                               |
| L2441230-10D | Plastic 2oz unpreserved for TS | B      | NA         |          | 3.8        | Y    | Absent |                  | TS(7)                                                                                                                                                                                                                                                                                            |
| L2441230-10E | Plastic 2oz unpreserved for TS | B      | NA         |          | 3.8        | Y    | Absent |                  | MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-CD-6010T-10(180),MCP-7471T-10(28),MCP-TL-6010T-10(180),MCP-ZN-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-PB-6010T-10(180),MCP-NI-6010T-10(180) |

**Project Name:** TRURO DPW  
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**Container Information**

| Container ID | Container Type                 | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal   | Frozen Date/Time | Analysis(*)                                                      |
|--------------|--------------------------------|--------|------------|----------|------------|------|--------|------------------|------------------------------------------------------------------|
| L2441230-10F | Glass 60mL/2oz unpreserved     | B      | NA         |          | 3.8        | Y    | Absent |                  | EPH-20(14)                                                       |
| L2441230-10G | Glass 500ml/16oz unpreserved   | B      | NA         |          | 3.8        | Y    | Absent |                  | MCP-8082-10(365),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-21(14) |
| L2441230-11A | Vial MeOH preserved            | B      | NA         |          | 3.8        | Y    | Absent |                  | HOLD-8260HLW(14)                                                 |
| L2441230-11B | Vial water preserved           | B      | NA         |          | 3.8        | Y    | Absent | 19-JUL-24 17:00  | HOLD-8260HLW(14)                                                 |
| L2441230-11C | Vial water preserved           | B      | NA         |          | 3.8        | Y    | Absent | 19-JUL-24 17:00  | HOLD-8260HLW(14)                                                 |
| L2441230-11D | Plastic 2oz unpreserved for TS | B      | NA         |          | 3.8        | Y    | Absent |                  | ARCHIVE()                                                        |
| L2441230-11E | Plastic 2oz unpreserved for TS | B      | NA         |          | 3.8        | Y    | Absent |                  | ARCHIVE()                                                        |
| L2441230-11F | Glass 60mL/2oz unpreserved     | B      | NA         |          | 3.8        | Y    | Absent |                  | ARCHIVE()                                                        |
| L2441230-11G | Glass 500ml/16oz unpreserved   | B      | NA         |          | 3.8        | Y    | Absent |                  | ARCHIVE()                                                        |
| L2441230-12A | Vial MeOH preserved            | B      | NA         |          | 3.8        | Y    | Absent |                  | HOLD-8260HLW(14)                                                 |
| L2441230-12B | Vial water preserved           | B      | NA         |          | 3.8        | Y    | Absent | 19-JUL-24 17:00  | HOLD-8260HLW(14)                                                 |
| L2441230-12C | Vial water preserved           | B      | NA         |          | 3.8        | Y    | Absent | 19-JUL-24 17:00  | HOLD-8260HLW(14)                                                 |
| L2441230-12D | Plastic 2oz unpreserved for TS | B      | NA         |          | 3.8        | Y    | Absent |                  | ARCHIVE()                                                        |
| L2441230-12E | Plastic 2oz unpreserved for TS | B      | NA         |          | 3.8        | Y    | Absent |                  | ARCHIVE()                                                        |
| L2441230-12F | Glass 60mL/2oz unpreserved     | B      | NA         |          | 3.8        | Y    | Absent |                  | ARCHIVE()                                                        |
| L2441230-12G | Glass 500ml/16oz unpreserved   | B      | NA         |          | 3.8        | Y    | Absent |                  | ARCHIVE()                                                        |

**Project Name:** TRURO DPW  
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## 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.)<br><br>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: Data Usability Report





**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

## 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, Dibenz(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. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

**Report Format:** Data Usability Report



**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

#### **Data Qualifiers**

- ND** - Not detected at the reporting limit (RL) for the sample.
- 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:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441230  
**Report Date:** 07/31/24

## REFERENCES

- 97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010; WSC-CAM-IIIA and IIID, January 2024; WSC-CAM-IIIB and VA, February 2024; and WSC-CAM-VB and VC, April 2024.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 131 Method for the Determination of Volatile Petroleum Hydrocarbons (VPH), MassDEP, February 2018, Revision 2.1 with QC Requirements & Performance Standards for the Analysis of VPH under the Massachusetts Contingency Plan, WSC-CAM-IVA, June 1, 2018.
- 135 Method for the Determination of Extractable Petroleum Hydrocarbons (EPH), MassDEP, December 2019, Revision 2.1 with QC Requirements & Performance Standards for the Analysis of EPH under the Massachusetts Contingency Plan, WSC-CAM-IVB, March 1, 2020.
- 141 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA and IIB, November 2021.

## LIMITATION OF LIABILITIES

Alpha Analytical 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 Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical 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 Alpha Analytical.

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.



**Alpha Analytical, Inc.**Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 21

Published Date: 04/17/2024

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**Certification Information**

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

**Westborough Facility****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, NO<sub>2</sub>, NO<sub>3</sub>.**Mansfield Facility****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.

**Nonpotable Water:** **EPA RSK-175 Dissolved Gases****Biological Tissue Matrix:** EPA 3050B

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

**Westborough Facility:****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:****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**

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





6 Walkup Drive  
Westboro, MA 01581  
Tel: 508-898-9220

320 Forbes Blvd  
Mansfield, MA 02048  
Tel: 508-822-9300

# CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 07/23/24

L2441230  
HRP - MA

30JUL24



## Project Information

Project Name: Truro DPW

Project Location: Truro, MA

Project #: TRU2501.P2

Project Manager: Bryan Massa

ALPHA Quote #:

## Turn-Around Time

☒ Standard

☐ RUSH (only confirmed if pre-approved)

Date Due:

## Report Information - Data Deliverable

☒ ADEx ☒ EMAIL

## Regulatory Requirements & Projects

☒ Yes ☐ No MA MCP Analytical Methods

☐ Yes ☐ No UIC RCP Analytical Methods

☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)

☒ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)

☐ Yes ☐ No NPDES RGP

☐ Other State /Fed Program Criteria

## Client Information

Client: HRP Associates

Address: 13 Court St  
Plymouth, MA

Phone:

Email: bryan.massa@hrpassociates.com

Additional Project Information:

| ALPHA Lab ID<br>(Lab Use Only) | Sample ID     | Collection |      | Sample Matrix | Sampler Initials | ANALYSIS                                                                                                  |                                                                 |                                                                                                                    |                                                                                                     |                                                                                                                                |                                                                                     |                                                                               |                                     |                                     |                                     | SAMPLE INFO                         |             | TOTAL # BOTTLES |
|--------------------------------|---------------|------------|------|---------------|------------------|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------|-----------------|
|                                |               | Date       | Time |               |                  | VOC: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> 524.2 | SVOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH | METALS: <input type="checkbox"/> MCP 13 <input checked="" type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15 | METALS: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8 <input type="checkbox"/> PP13 | EPH: <input checked="" type="checkbox"/> Ranges <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only | VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only | TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint | EPH w/ PAHS                         | Pesticides                          | SVOC's                              | Herbicides                          | EPH Targets |                 |
| 41230-01                       | SB-1 (2-4)    | 7/19/24    | 915  | S             | ACB              | <input checked="" type="checkbox"/>                                                                       | <input checked="" type="checkbox"/>                             | <input checked="" type="checkbox"/>                                                                                | <input checked="" type="checkbox"/>                                                                 | <input checked="" type="checkbox"/>                                                                                            |                                                                                     |                                                                               | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |             | 7               |
| -02                            | SB-2 (4-6)    |            | 940  |               |                  | <input checked="" type="checkbox"/>                                                                       | <input checked="" type="checkbox"/>                             | <input checked="" type="checkbox"/>                                                                                | <input checked="" type="checkbox"/>                                                                 | <input checked="" type="checkbox"/>                                                                                            |                                                                                     |                                                                               | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |             | 7               |
| -03                            | SB-6 (2-4)    |            | 1015 |               |                  | <input checked="" type="checkbox"/>                                                                       | <input checked="" type="checkbox"/>                             |                                                                                                                    | <input checked="" type="checkbox"/>                                                                 | <input checked="" type="checkbox"/>                                                                                            |                                                                                     | <input checked="" type="checkbox"/>                                           |                                     |                                     |                                     |                                     |             | 7               |
| -04                            | SB-7 (2-4)    |            | 1230 |               |                  | <input checked="" type="checkbox"/>                                                                       | <input checked="" type="checkbox"/>                             |                                                                                                                    | <input checked="" type="checkbox"/>                                                                 | <input checked="" type="checkbox"/>                                                                                            |                                                                                     | <input checked="" type="checkbox"/>                                           | <input checked="" type="checkbox"/> |                                     | <input checked="" type="checkbox"/> |                                     |             | 7               |
| -05                            | SB-8 (8-10)   |            | 1205 |               |                  | <input checked="" type="checkbox"/>                                                                       | <input checked="" type="checkbox"/>                             | <input checked="" type="checkbox"/>                                                                                | <input checked="" type="checkbox"/>                                                                 | <input checked="" type="checkbox"/>                                                                                            |                                                                                     |                                                                               |                                     | <input checked="" type="checkbox"/> |                                     | <input checked="" type="checkbox"/> |             | 7               |
| -06                            | SB-9 (6-8)    |            | 1145 |               |                  | <input checked="" type="checkbox"/>                                                                       | <input checked="" type="checkbox"/>                             |                                                                                                                    | <input checked="" type="checkbox"/>                                                                 | <input checked="" type="checkbox"/>                                                                                            |                                                                                     |                                                                               |                                     | <input checked="" type="checkbox"/> |                                     | <input checked="" type="checkbox"/> |             | 7               |
| -07                            | SB-10 (4-6)   |            | 1215 |               |                  | <input checked="" type="checkbox"/>                                                                       | <input checked="" type="checkbox"/>                             |                                                                                                                    | <input checked="" type="checkbox"/>                                                                 | <input checked="" type="checkbox"/>                                                                                            |                                                                                     |                                                                               |                                     | <input checked="" type="checkbox"/> |                                     | <input checked="" type="checkbox"/> |             | 7               |
| -08                            | SB-11 (10-12) |            | 1120 |               |                  | <input checked="" type="checkbox"/>                                                                       | <input checked="" type="checkbox"/>                             |                                                                                                                    | <input checked="" type="checkbox"/>                                                                 | <input checked="" type="checkbox"/>                                                                                            |                                                                                     |                                                                               |                                     | <input checked="" type="checkbox"/> |                                     | <input checked="" type="checkbox"/> |             | 7               |
| -09                            | SB-12 (16-18) |            | 1300 |               |                  | <input checked="" type="checkbox"/>                                                                       | <input checked="" type="checkbox"/>                             |                                                                                                                    | <input checked="" type="checkbox"/>                                                                 | <input checked="" type="checkbox"/>                                                                                            |                                                                                     |                                                                               |                                     | <input checked="" type="checkbox"/> |                                     | <input checked="" type="checkbox"/> |             | 7               |
| -10                            | SB-14 (4-6)   |            | 950  |               |                  | <input checked="" type="checkbox"/>                                                                       | <input checked="" type="checkbox"/>                             | <input checked="" type="checkbox"/>                                                                                | <input checked="" type="checkbox"/>                                                                 | <input checked="" type="checkbox"/>                                                                                            |                                                                                     |                                                                               | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |             | 7               |

|                                                                                                                                                      |                                                                                                                                                                                                                                                                                   |                                                  |                                          |                                    |                                    |                                  |                                                                                                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|------------------------------------------|------------------------------------|------------------------------------|----------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>Container Type</b><br>P= Plastic<br>A= Amber glass<br>V= Vial<br>G= Glass<br>B= Bacteria cup<br>C= Cube<br>O= Other<br>E= Encorp<br>D= BOD Bottle | <b>Preservative</b><br>A= None<br>B= HCl<br>C= HNO <sub>3</sub><br>D= H <sub>2</sub> SO <sub>4</sub><br>E= NaOH<br>F= MeOH<br>G= NaHSO <sub>4</sub><br>H= Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub><br>I= Ascorbic Acid<br>J= NH <sub>4</sub> Cl<br>K= Zn Acetate<br>O= Other | <b>Container Type</b><br><br><b>Preservative</b> | <b>Relinquished By:</b><br>Andrew Bushin | <b>Date/Time</b><br>7/22/24 @ 1500 | <b>Received By:</b><br>[Signature] | <b>Date/Time</b><br>7/23/24 1130 | All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.<br>FORM NO: 01-01 (rev. 12-Mar-2012) |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|------------------------------------------|------------------------------------|------------------------------------|----------------------------------|---------------------------------------------------------------------------------------------------------------------------|

# Method Blank Summary

## Form 4

### Volatiles

|               |                       |                |                  |
|---------------|-----------------------|----------------|------------------|
| Client        | : HRP Associates, Inc | Lab Number     | : L2441230       |
| Project Name  | : TRURO DPW           | Project Number | : TRU2501.P2     |
| Lab Sample ID | : WG1951918-5         | Lab File ID    | : V10240725A05   |
| Instrument ID | : VOA110              |                |                  |
| Matrix        | : SLUDGE              | Analysis Date  | : 07/25/24 08:59 |

| Client Sample No. | Lab Sample ID | Analysis Date  |
|-------------------|---------------|----------------|
| WG1951918-3LCS    | WG1951918-3   | 07/25/24 07:12 |
| WG1951918-4LCSD   | WG1951918-4   | 07/25/24 07:38 |
| SB-1 (2-4)        | L2441230-01   | 07/25/24 10:48 |
| SB-2 (4-6)        | L2441230-02   | 07/25/24 11:16 |
| SB-6 (2-4)        | L2441230-03   | 07/25/24 11:43 |
| SB-7 (2-4)        | L2441230-04   | 07/25/24 12:10 |
| SB-8 (8-10)       | L2441230-05   | 07/25/24 12:37 |
| SB-9 (6-8)        | L2441230-06   | 07/25/24 13:04 |
| SB-10 (4-6)       | L2441230-07   | 07/25/24 13:31 |
| SB-11 (10-12)     | L2441230-08   | 07/25/24 13:58 |
| SB-12 (16-18)     | L2441230-09   | 07/25/24 14:25 |
| SB-14 (4-6)       | L2441230-10   | 07/25/24 14:52 |

# Calibration Verification Summary

## Form 7

### Volatiles

Client : HRP Associates, Inc  
 Project Name : TRURO DPW  
 Instrument ID : VOA110  
 Lab File ID : V10240725A01  
 Sample No : WG1951918-2  
 Channel :

Lab Number : L2441230  
 Project Number : TRU2501.P2  
 Calibration Date : 07/25/24 07:12  
 Init. Calib. Date(s) : 05/15/24 05/16/24  
 Init. Calib. Times : 20:51 01:23

| Compound                  | Ave. RRF | RRF      | Min RRF | %D     | Max %D | Area% | Dev(min) |
|---------------------------|----------|----------|---------|--------|--------|-------|----------|
| Fluorobenzene             | 1        | 1        | -       | 0      | 20     | 60    | 0        |
| Dichlorodifluoromethane   | 0.285    | 0.323    | -       | -13.3  | 20     | 70    | 0        |
| Chloromethane             | 0.258    | 0.3      | -       | -16.3  | 20     | 76    | 0        |
| Vinyl chloride            | 0.314    | 0.392    | -       | -24.8* | 20     | 75    | 0        |
| Bromomethane              | 0.243    | 0.32     | -       | -31.7* | 20     | 91    | 0        |
| Chloroethane              | 0.242    | 0.352    | -       | -45.5* | 20     | 88    | 0        |
| Trichlorofluoromethane    | 0.544    | 0.76     | -       | -39.7* | 20     | 86    | 0        |
| Ethyl ether               | 0.2      | 0.29     | -       | -45*   | 20     | 90    | 0        |
| 1,1-Dichloroethene        | 0.296    | 0.4      | -       | -35.1* | 20     | 84    | 0        |
| Carbon disulfide          | 1.008    | 1.291    | -       | -28.1* | 20     | 81    | 0        |
| Methylene chloride        | 0.375    | 0.45     | -       | -20    | 20     | 79    | 0        |
| Acetone                   | 0.13     | 0.166    | -       | -27.7* | 20     | 77    | -.01     |
| trans-1,2-Dichloroethene  | 0.297    | 0.336    | -       | -13.1  | 20     | 61    | -.01     |
| Methyl tert-butyl ether   | 0.833    | 0.886    | -       | -6.4   | 20     | 72    | 0        |
| Diisopropyl ether         | 0.751    | 0.901    | -       | -20    | 20     | 72    | 0        |
| 1,1-Dichloroethane        | 0.406    | 0.465    | -       | -14.5  | 20     | 71    | 0        |
| Ethyl tert-butyl ether    | 0.724    | 0.819    | -       | -13.1  | 20     | 68    | 0        |
| cis-1,2-Dichloroethene    | 0.248    | 0.272    | -       | -9.7   | 20     | 67    | 0        |
| 2,2-Dichloropropane       | 0.334    | 0.412    | -       | -23.4* | 20     | 78    | 0        |
| Bromochloromethane        | 0.128    | 0.127    | -       | 0.8    | 20     | 62    | 0        |
| Chloroform                | 0.399    | 0.444    | -       | -11.3  | 20     | 68    | -.01     |
| Carbon tetrachloride      | 0.321    | 0.343    | -       | -6.9   | 20     | 66    | 0        |
| Tetrahydrofuran           | 0.094    | 0.11     | -       | -17    | 20     | 77    | -.01     |
| Dibromofluoromethane      | 0.262    | 0.255    | -       | 2.7    | 20     | 59    | 0        |
| 1,1,1-Trichloroethane     | 0.343    | 0.386    | -       | -12.5  | 20     | 68    | 0        |
| 2-Butanone                | 0.136    | 0.141    | -       | -3.7   | 20     | 65    | 0        |
| 1,1-Dichloropropene       | 0.299    | 0.34     | -       | -13.7  | 20     | 69    | 0        |
| Benzene                   | 0.873    | 0.998    | -       | -14.3  | 20     | 69    | 0        |
| tert-Amyl methyl ether    | 0.695    | 0.743    | -       | -6.9   | 20     | 64    | 0        |
| 1,2-Dichloroethane-d4     | 0.286    | 0.289    | -       | -1     | 20     | 61    | 0        |
| 1,2-Dichloroethane        | 0.313    | 0.336    | -       | -7.3   | 20     | 66    | 0        |
| Trichloroethene           | 0.233    | 0.258    | -       | -10.7  | 20     | 66    | 0        |
| Dibromomethane            | 0.153    | 0.164    | -       | -7.2   | 20     | 64    | 0        |
| 1,2-Dichloropropane       | 0.229    | 0.258    | -       | -12.7  | 20     | 68    | 0        |
| Bromodichloromethane      | 0.317    | 0.345    | -       | -8.8   | 20     | 65    | -.01     |
| 1,4-Dioxane               | 0.00315  | 0.00322* | -       | -2.2   | 20     | 58    | 0        |
| cis-1,3-Dichloropropene   | 0.375    | 0.47     | -       | -25.3* | 20     | 74    | 0        |
| Chlorobenzene-d5          | 1        | 1        | -       | 0      | 20     | 76    | 0        |
| Toluene-d8                | 1.236    | 1.044    | -       | 15.5   | 20     | 64    | 0        |
| Toluene                   | 0.719    | 0.66     | -       | 8.2    | 20     | 71    | 0        |
| 4-Methyl-2-pentanone      | 0.116    | 0.103    | -       | 11.2   | 20     | 66    | 0        |
| Tetrachloroethene         | 0.295    | 0.296    | -       | -0.3   | 20     | 75    | 0        |
| trans-1,3-Dichloropropene | 0.426    | 0.471    | -       | -10.6  | 20     | 80    | 0        |

\* Value outside of QC limits.



# Calibration Verification Summary

## Form 7

### Volatiles

Client : HRP Associates, Inc  
 Project Name : TRURO DPW  
 Instrument ID : VOA110  
 Lab File ID : V10240725A01  
 Sample No : WG1951918-2  
 Channel :

Lab Number : L2441230  
 Project Number : TRU2501.P2  
 Calibration Date : 07/25/24 07:12  
 Init. Calib. Date(s) : 05/15/24 05/16/24  
 Init. Calib. Times : 20:51 01:23

| Compound                   | Ave. RRF | RRF   | Min RRF | %D    | Max %D | Area% | Dev(min) |
|----------------------------|----------|-------|---------|-------|--------|-------|----------|
| 1,1,2-Trichloroethane      | 0.209    | 0.206 | -       | 1.4   | 20     | 74    | 0        |
| Chlorodibromomethane       | 0.296    | 0.263 | -       | 11.1  | 20     | 64    | -.01     |
| 1,3-Dichloropropane        | 0.432    | 0.426 | -       | 1.4   | 20     | 73    | 0        |
| 1,2-Dibromoethane          | 0.265    | 0.246 | -       | 7.2   | 20     | 68    | 0        |
| 2-Hexanone                 | 0.229    | 0.202 | -       | 11.8  | 20     | 66    | 0        |
| Chlorobenzene              | 0.814    | 0.871 | -       | -7    | 20     | 79    | 0        |
| Ethylbenzene               | 1.336    | 1.413 | -       | -5.8  | 20     | 80    | 0        |
| 1,1,1,2-Tetrachloroethane  | 0.291    | 0.308 | -       | -5.8  | 20     | 77    | 0        |
| p/m Xylene                 | 0.533    | 0.498 | -       | 6.6   | 20     | 70    | 0        |
| o Xylene                   | 0.525    | 0.486 | -       | 7.4   | 20     | 69    | 0        |
| Styrene                    | 0.896    | 0.964 | -       | -7.6  | 20     | 79    | 0        |
| 1,4-Dichlorobenzene-d4     | 1        | 1     | -       | 0     | 20     | 77    | 0        |
| Bromoform                  | 0.379    | 0.388 | -       | -2.4  | 20     | 79    | 0        |
| Isopropylbenzene           | 2.448    | 2.45  | -       | -0.1  | 20     | 78    | 0        |
| 4-Bromofluorobenzene       | 0.812    | 0.681 | -       | 16.1  | 20     | 64    | 0        |
| Bromobenzene               | 0.656    | 0.588 | -       | 10.4  | 20     | 69    | 0        |
| n-Propylbenzene            | 2.801    | 2.839 | -       | -1.4  | 20     | 78    | 0        |
| 1,1,2,2-Tetrachloroethane  | 0.634    | 0.59  | -       | 6.9   | 20     | 70    | 0        |
| 2-Chlorotoluene            | 1.612    | 1.626 | -       | -0.9  | 20     | 78    | 0        |
| 1,3,5-Trimethylbenzene     | 2.142    | 1.961 | -       | 8.5   | 20     | 71    | 0        |
| 1,2,3-Trichloropropane     | 0.558    | 0.475 | -       | 14.9  | 20     | 67    | 0        |
| 4-Chlorotoluene            | 1.7      | 1.791 | -       | -5.4  | 20     | 82    | 0        |
| tert-Butylbenzene          | 1.875    | 1.691 | -       | 9.8   | 20     | 69    | 0        |
| 1,2,4-Trimethylbenzene     | 2.096    | 1.983 | -       | 5.4   | 20     | 72    | 0        |
| sec-Butylbenzene           | 2.748    | 2.968 | -       | -8    | 20     | 83    | 0        |
| p-Isopropyltoluene         | 2.42     | 2.631 | -       | -8.7  | 20     | 83    | 0        |
| 1,3-Dichlorobenzene        | 1.238    | 1.397 | -       | -12.8 | 20     | 85    | 0        |
| 1,4-Dichlorobenzene        | 1.274    | 1.372 | -       | -7.7  | 20     | 83    | 0        |
| n-Butylbenzene             | 2.033    | 2.034 | -       | -0    | 20     | 76    | 0        |
| 1,2-Dichlorobenzene        | 1.214    | 1.135 | -       | 6.5   | 20     | 71    | 0        |
| 1,2-Dibromo-3-chloropropan | 0.13     | 0.108 | -       | 16.9  | 20     | 61    | 0        |
| Hexachlorobutadiene        | 0.456    | 0.447 | -       | 2     | 20     | 76    | 0        |
| 1,2,4-Trichlorobenzene     | 0.851    | 0.998 | -       | -17.3 | 20     | 89    | 0        |
| Naphthalene                | 2.401    | 2.569 | -       | -7    | 20     | 81    | 0        |
| 1,2,3-Trichlorobenzene     | 0.849    | 0.954 | -       | -12.4 | 20     | 87    | 0        |

\* Value outside of QC limits.





# Performance Evaluation Mixture Summary

## Form 15

### Pesticides

Client : HRP Associates, Inc  
 Project Name : TRURO DPW  
 Instrument ID : PEST20  
 PEM Standard : R1858015-1  
 Column 1 : RTX-5

Lab Number : L2441230  
 Project Number : TRU2501.P2  
 Analysis Date : 07/29/24 05:37  
 Column 2 : RTX-CLPPesticides2

| Parameter       | Signal 1        | Signal 2        |
|-----------------|-----------------|-----------------|
| 4,4'-DDE        | 491698.18606    | 679173.76867    |
| Endrin          | 216977835.91534 | 323667494.12097 |
| 4,4'-DDD        | 2498386.54344   | 3292565.00351   |
| 4,4'-DDT        | 364306167.49436 | 549321778.02141 |
| Endrin Aldehyde | 450627.28533    | 623703.34844    |
| Endrin Ketone   | 1391975.63114   | 1994561.34776   |

| Parameter | %Breakdown 1 | %Breakdown 2 |
|-----------|--------------|--------------|
| Endrin    | 0.842        | 0.802        |
| DDT       | 0.814        | 0.718        |



## ANALYTICAL REPORT

|                 |                                                              |
|-----------------|--------------------------------------------------------------|
| Lab Number:     | L2441265                                                     |
| Client:         | HRP Associates, Inc<br>13 Court Street<br>Plymouth, MA 02360 |
| ATTN:           | Bryan Massa                                                  |
| Phone:          | (781) 210-9840                                               |
| Project Name:   | TRURO DPW                                                    |
| Project Number: | TRU2501.P2                                                   |
| Report Date:    | 08/02/24                                                     |

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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).

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



**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441265  
**Report Date:** 08/02/24

| <b>Alpha<br/>Sample ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Sample<br/>Location</b> | <b>Collection<br/>Date/Time</b> | <b>Receive Date</b> |
|----------------------------|------------------|---------------|----------------------------|---------------------------------|---------------------|
| L2441265-01                | SB-1 (2-4)       | SOIL          | TRURO, MA                  | 07/19/24 09:15                  | 07/23/24            |
| L2441265-02                | SB-2 (4-6)       | SOIL          | TRURO, MA                  | 07/19/24 09:40                  | 07/23/24            |
| L2441265-03                | SB-6 (2-4)       | SOIL          | TRURO, MA                  | 07/19/24 10:15                  | 07/23/24            |
| L2441265-04                | SB-7 (2-4)       | SOIL          | TRURO, MA                  | 07/19/24 12:30                  | 07/23/24            |
| L2441265-05                | SB-12 (16-18)    | SOIL          | TRURO, MA                  | 07/19/24 13:00                  | 07/23/24            |
| L2441265-06                | SB-14 (4-6)      | SOIL          | TRURO, MA                  | 07/19/24 09:50                  | 07/23/24            |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441265  
**Report Date:** 08/02/24

### 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 Alpha 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, Alpha'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 Alpha Project Manager and made arrangements for Alpha 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.

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:

*Kim L. Bailey* Kim L. Bailey

Title: Technical Director/Representative

Date: 08/02/24

# ORGANICS

# SEMIVOLATILES

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441265  
**Report Date:** 08/02/24

**SAMPLE RESULTS**

**Lab ID:** L2441265-01  
**Client ID:** SB-1 (2-4)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 09:15  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 144,1633  
**Analytical Date:** 08/02/24 11:14  
**Analyst:** AC  
**Percent Solids:** 98%

**Extraction Method:** EPA 1633  
**Extraction Date:** 08/01/24 17:45  
**Cleanup Method:** EPA 1633  
**Cleanup Date:** 08/02/24

| Parameter                                                 | Result | Qualifier | Units | RL    | MDL | Dilution Factor |
|-----------------------------------------------------------|--------|-----------|-------|-------|-----|-----------------|
| Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab    |        |           |       |       |     |                 |
| Perfluorobutanoic Acid (PFBA)                             | ND     |           | ng/g  | 0.779 | --  | 1               |
| Perfluoropentanoic Acid (PFPeA)                           | ND     |           | ng/g  | 0.389 | --  | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                       | ND     |           | ng/g  | 0.195 | --  | 1               |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)         | ND     |           | ng/g  | 0.779 | --  | 1               |
| Perfluorohexanoic Acid (PFHxA)                            | ND     |           | ng/g  | 0.195 | --  | 1               |
| Perfluoropentanesulfonic Acid (PFPeS)                     | ND     |           | ng/g  | 0.195 | --  | 1               |
| Perfluoroheptanoic Acid (PFHpA)                           | ND     |           | ng/g  | 0.195 | --  | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                      | ND     |           | ng/g  | 0.195 | --  | 1               |
| Perfluorooctanoic Acid (PFOA)                             | ND     |           | ng/g  | 0.195 | --  | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)         | ND     |           | ng/g  | 0.779 | --  | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                     | ND     |           | ng/g  | 0.195 | --  | 1               |
| Perfluorononanoic Acid (PFNA)                             | ND     |           | ng/g  | 0.195 | --  | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                       | ND     |           | ng/g  | 0.195 | --  | 1               |
| Perfluorodecanoic Acid (PFDA)                             | ND     |           | ng/g  | 0.195 | --  | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)         | ND     |           | ng/g  | 0.779 | --  | 1               |
| Perfluorononanesulfonic Acid (PFNS)                       | ND     |           | ng/g  | 0.195 | --  | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND     |           | ng/g  | 0.195 | --  | 1               |
| Perfluoroundecanoic Acid (PFUnA)                          | ND     |           | ng/g  | 0.195 | --  | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                       | ND     |           | ng/g  | 0.195 | --  | 1               |
| Perfluorooctanesulfonamide (PFOSA)                        | ND     |           | ng/g  | 0.195 | --  | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)  | ND     |           | ng/g  | 0.195 | --  | 1               |
| Perfluorododecanoic Acid (PFDoA)                          | ND     |           | ng/g  | 0.195 | --  | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                        | ND     |           | ng/g  | 0.195 | --  | 1               |
| Perfluorotetradecanoic Acid (PFTeDA)                      | ND     |           | ng/g  | 0.195 | --  | 1               |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)            | ND     |           | ng/g  | 0.779 | --  | 1               |
| 4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)               | ND     |           | ng/g  | 0.779 | --  | 1               |
| Perfluorododecanesulfonic Acid (PFDoS)                    | ND     |           | ng/g  | 0.195 | --  | 1               |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441265  
**Report Date:** 08/02/24

**SAMPLE RESULTS**

**Lab ID:** L2441265-01  
**Client ID:** SB-1 (2-4)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 09:15  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

**Sample Depth:**

| Parameter                                                          | Result | Qualifier | Units | RL    | MDL | Dilution Factor |
|--------------------------------------------------------------------|--------|-----------|-------|-------|-----|-----------------|
| Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab             |        |           |       |       |     |                 |
| 9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)      | ND     |           | ng/g  | 0.779 | --  | 1               |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS) | ND     |           | ng/g  | 0.779 | --  | 1               |
| N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)                     | ND     |           | ng/g  | 0.195 | --  | 1               |
| N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)                      | ND     |           | ng/g  | 0.195 | --  | 1               |
| N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)              | ND     |           | ng/g  | 1.95  | --  | 1               |
| N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)               | ND     |           | ng/g  | 1.95  | --  | 1               |
| Perfluoro-3-Methoxypropanoic Acid (PFMPA)                          | ND     |           | ng/g  | 0.389 | --  | 1               |
| Perfluoro-4-Methoxybutanoic Acid (PFMBA)                           | ND     |           | ng/g  | 0.389 | --  | 1               |
| Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEEESA)                   | ND     |           | ng/g  | 0.389 | --  | 1               |
| Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)                         | ND     |           | ng/g  | 0.389 | --  | 1               |
| 3-Perfluoropropyl Propanoic Acid (3:3FTCA)                         | ND     |           | ng/g  | 0.974 | --  | 1               |
| 2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)                       | ND     |           | ng/g  | 4.87  | --  | 1               |
| 3-Perfluoroheptyl Propanoic Acid (7:3FTCA)                         | ND     |           | ng/g  | 4.87  | --  | 1               |



Project Name: TRURO DPW

Lab Number: L2441265

Project Number: TRU2501.P2

Report Date: 08/02/24

## SAMPLE RESULTS

Lab ID: L2441265-01

Date Collected: 07/19/24 09:15

Client ID: SB-1 (2-4)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter                                              | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--------------------------------------------------------|--------|-----------|-------|----|-----|-----------------|
| Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab |        |           |       |    |     |                 |

| Surrogate                                                             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------------------------------------------------------|------------|-----------|---------------------|
| Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)                           | 75         |           | 46-106              |
| Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)                         | 72         |           | 48-107              |
| Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)               | 80         |           | 48-111              |
| 1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)   | 91         |           | 23-136              |
| Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)                | 71         |           | 48-106              |
| Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)                 | 74         |           | 35-125              |
| Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)              | 78         |           | 50-104              |
| Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)                           | 80         |           | 48-109              |
| 1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)   | 80         |           | 19-133              |
| Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)                           | 75         |           | 48-106              |
| Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)                     | 73         |           | 51-104              |
| Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)               | 66         |           | 47-109              |
| 1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)   | 116        |           | 10-175              |
| N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)    | 79         |           | 10-154              |
| Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)          | 57         |           | 38-119              |
| Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)                      | 76         |           | 22-109              |
| N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)     | 62         |           | 10-163              |
| Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)                    | 48         |           | 33-111              |
| Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)                | 20         |           | 15-109              |
| Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA) | 66         |           | 45-108              |
| N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)                | 38         |           | 10-97               |
| N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)                 | 33         |           | 10-102              |
| N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)            | 55         |           | 10-132              |
| N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)             | 41         |           | 13-116              |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441265  
**Report Date:** 08/02/24

**SAMPLE RESULTS**

**Lab ID:** L2441265-02  
**Client ID:** SB-2 (4-6)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 09:40  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 144,1633  
**Analytical Date:** 08/02/24 11:57  
**Analyst:** AC  
**Percent Solids:** 97%

**Extraction Method:** EPA 1633  
**Extraction Date:** 08/01/24 17:45  
**Cleanup Method:** EPA 1633  
**Cleanup Date:** 08/02/24

| Parameter                                                 | Result | Qualifier | Units | RL    | MDL | Dilution Factor |
|-----------------------------------------------------------|--------|-----------|-------|-------|-----|-----------------|
| Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab    |        |           |       |       |     |                 |
| Perfluorobutanoic Acid (PFBA)                             | ND     |           | ng/g  | 0.797 | --  | 1               |
| Perfluoropentanoic Acid (PFPeA)                           | ND     |           | ng/g  | 0.399 | --  | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                       | ND     |           | ng/g  | 0.199 | --  | 1               |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)         | ND     |           | ng/g  | 0.797 | --  | 1               |
| Perfluorohexanoic Acid (PFHxA)                            | ND     |           | ng/g  | 0.199 | --  | 1               |
| Perfluoropentanesulfonic Acid (PFPeS)                     | ND     |           | ng/g  | 0.199 | --  | 1               |
| Perfluoroheptanoic Acid (PFHpA)                           | ND     |           | ng/g  | 0.199 | --  | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                      | ND     |           | ng/g  | 0.199 | --  | 1               |
| Perfluorooctanoic Acid (PFOA)                             | ND     |           | ng/g  | 0.199 | --  | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)         | ND     |           | ng/g  | 0.797 | --  | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                     | ND     |           | ng/g  | 0.199 | --  | 1               |
| Perfluorononanoic Acid (PFNA)                             | ND     |           | ng/g  | 0.199 | --  | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                       | ND     |           | ng/g  | 0.199 | --  | 1               |
| Perfluorodecanoic Acid (PFDA)                             | ND     |           | ng/g  | 0.199 | --  | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)         | ND     |           | ng/g  | 0.797 | --  | 1               |
| Perfluorononanesulfonic Acid (PFNS)                       | ND     |           | ng/g  | 0.199 | --  | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND     |           | ng/g  | 0.199 | --  | 1               |
| Perfluoroundecanoic Acid (PFUnA)                          | ND     |           | ng/g  | 0.199 | --  | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                       | ND     |           | ng/g  | 0.199 | --  | 1               |
| Perfluorooctanesulfonamide (PFOSA)                        | ND     |           | ng/g  | 0.199 | --  | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)  | ND     |           | ng/g  | 0.199 | --  | 1               |
| Perfluorododecanoic Acid (PFDoA)                          | ND     |           | ng/g  | 0.199 | --  | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                        | ND     |           | ng/g  | 0.199 | --  | 1               |
| Perfluorotetradecanoic Acid (PFTeDA)                      | ND     |           | ng/g  | 0.199 | --  | 1               |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)            | ND     |           | ng/g  | 0.797 | --  | 1               |
| 4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)               | ND     |           | ng/g  | 0.797 | --  | 1               |
| Perfluorododecanesulfonic Acid (PFDoS)                    | ND     |           | ng/g  | 0.199 | --  | 1               |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441265  
**Report Date:** 08/02/24

**SAMPLE RESULTS**

**Lab ID:** L2441265-02  
**Client ID:** SB-2 (4-6)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 09:40  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

**Sample Depth:**

| Parameter                                                          | Result | Qualifier | Units | RL    | MDL | Dilution Factor |
|--------------------------------------------------------------------|--------|-----------|-------|-------|-----|-----------------|
| Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab             |        |           |       |       |     |                 |
| 9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)      | ND     |           | ng/g  | 0.797 | --  | 1               |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS) | ND     |           | ng/g  | 0.797 | --  | 1               |
| N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)                     | ND     |           | ng/g  | 0.199 | --  | 1               |
| N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)                      | ND     |           | ng/g  | 0.199 | --  | 1               |
| N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)              | ND     |           | ng/g  | 1.99  | --  | 1               |
| N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)               | ND     |           | ng/g  | 1.99  | --  | 1               |
| Perfluoro-3-Methoxypropanoic Acid (PFMPA)                          | ND     |           | ng/g  | 0.399 | --  | 1               |
| Perfluoro-4-Methoxybutanoic Acid (PFMBA)                           | ND     |           | ng/g  | 0.399 | --  | 1               |
| Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEEESA)                   | ND     |           | ng/g  | 0.399 | --  | 1               |
| Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)                         | ND     |           | ng/g  | 0.399 | --  | 1               |
| 3-Perfluoropropyl Propanoic Acid (3:3FTCA)                         | ND     |           | ng/g  | 0.997 | --  | 1               |
| 2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)                       | ND     |           | ng/g  | 4.98  | --  | 1               |
| 3-Perfluoroheptyl Propanoic Acid (7:3FTCA)                         | ND     |           | ng/g  | 4.98  | --  | 1               |

Project Name: TRURO DPW

Lab Number: L2441265

Project Number: TRU2501.P2

Report Date: 08/02/24

## SAMPLE RESULTS

Lab ID: L2441265-02

Date Collected: 07/19/24 09:40

Client ID: SB-2 (4-6)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter                                                             | Result     | Qualifier | Units | RL        | MDL                 | Dilution Factor |
|-----------------------------------------------------------------------|------------|-----------|-------|-----------|---------------------|-----------------|
| Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab                |            |           |       |           |                     |                 |
| Surrogate                                                             | % Recovery |           |       | Qualifier | Acceptance Criteria |                 |
| Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)                           | 71         |           |       |           | 46-106              |                 |
| Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)                         | 69         |           |       |           | 48-107              |                 |
| Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)               | 74         |           |       |           | 48-111              |                 |
| 1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)   | 80         |           |       |           | 23-136              |                 |
| Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)                | 67         |           |       |           | 48-106              |                 |
| Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)                 | 68         |           |       |           | 35-125              |                 |
| Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)              | 74         |           |       |           | 50-104              |                 |
| Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)                           | 77         |           |       |           | 48-109              |                 |
| 1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)   | 74         |           |       |           | 19-133              |                 |
| Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)                           | 72         |           |       |           | 48-106              |                 |
| Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)                     | 72         |           |       |           | 51-104              |                 |
| Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)               | 63         |           |       |           | 47-109              |                 |
| 1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)   | 89         |           |       |           | 10-175              |                 |
| N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)    | 68         |           |       |           | 10-154              |                 |
| Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)          | 58         |           |       |           | 38-119              |                 |
| Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)                      | 70         |           |       |           | 22-109              |                 |
| N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)     | 67         |           |       |           | 10-163              |                 |
| Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)                    | 48         |           |       |           | 33-111              |                 |
| Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)                | 57         |           |       |           | 15-109              |                 |
| Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA) | 59         |           |       |           | 45-108              |                 |
| N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)                | 50         |           |       |           | 10-97               |                 |
| N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)                 | 46         |           |       |           | 10-102              |                 |
| N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)            | 62         |           |       |           | 10-132              |                 |
| N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)             | 51         |           |       |           | 13-116              |                 |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441265  
**Report Date:** 08/02/24

**SAMPLE RESULTS**

**Lab ID:** L2441265-03  
**Client ID:** SB-6 (2-4)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 10:15  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 144,1633  
**Analytical Date:** 08/02/24 12:10  
**Analyst:** AC  
**Percent Solids:** 97%

**Extraction Method:** EPA 1633  
**Extraction Date:** 08/01/24 17:45  
**Cleanup Method:** EPA 1633  
**Cleanup Date:** 08/02/24

| Parameter                                                 | Result | Qualifier | Units | RL    | MDL | Dilution Factor |
|-----------------------------------------------------------|--------|-----------|-------|-------|-----|-----------------|
| Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab    |        |           |       |       |     |                 |
| Perfluorobutanoic Acid (PFBA)                             | ND     |           | ng/g  | 0.782 | --  | 1               |
| Perfluoropentanoic Acid (PFPeA)                           | ND     |           | ng/g  | 0.391 | --  | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                       | ND     |           | ng/g  | 0.196 | --  | 1               |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)         | ND     |           | ng/g  | 0.782 | --  | 1               |
| Perfluorohexanoic Acid (PFHxA)                            | ND     |           | ng/g  | 0.196 | --  | 1               |
| Perfluoropentanesulfonic Acid (PFPeS)                     | ND     |           | ng/g  | 0.196 | --  | 1               |
| Perfluoroheptanoic Acid (PFHpA)                           | ND     |           | ng/g  | 0.196 | --  | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                      | ND     |           | ng/g  | 0.196 | --  | 1               |
| Perfluorooctanoic Acid (PFOA)                             | ND     |           | ng/g  | 0.196 | --  | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)         | ND     |           | ng/g  | 0.782 | --  | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                     | ND     |           | ng/g  | 0.196 | --  | 1               |
| Perfluorononanoic Acid (PFNA)                             | ND     |           | ng/g  | 0.196 | --  | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                       | ND     |           | ng/g  | 0.196 | --  | 1               |
| Perfluorodecanoic Acid (PFDA)                             | ND     |           | ng/g  | 0.196 | --  | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)         | ND     |           | ng/g  | 0.782 | --  | 1               |
| Perfluorononanesulfonic Acid (PFNS)                       | ND     |           | ng/g  | 0.196 | --  | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND     |           | ng/g  | 0.196 | --  | 1               |
| Perfluoroundecanoic Acid (PFUnA)                          | ND     |           | ng/g  | 0.196 | --  | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                       | ND     |           | ng/g  | 0.196 | --  | 1               |
| Perfluorooctanesulfonamide (PFOSA)                        | ND     |           | ng/g  | 0.196 | --  | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)  | ND     |           | ng/g  | 0.196 | --  | 1               |
| Perfluorododecanoic Acid (PFDoA)                          | ND     |           | ng/g  | 0.196 | --  | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                        | ND     |           | ng/g  | 0.196 | --  | 1               |
| Perfluorotetradecanoic Acid (PFTeDA)                      | ND     |           | ng/g  | 0.196 | --  | 1               |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)            | ND     |           | ng/g  | 0.782 | --  | 1               |
| 4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)               | ND     |           | ng/g  | 0.782 | --  | 1               |
| Perfluorododecanesulfonic Acid (PFDoS)                    | ND     |           | ng/g  | 0.196 | --  | 1               |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441265  
**Report Date:** 08/02/24

**SAMPLE RESULTS**

**Lab ID:** L2441265-03  
**Client ID:** SB-6 (2-4)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 10:15  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

Sample Depth:

| Parameter                                                          | Result | Qualifier | Units | RL    | MDL | Dilution Factor |
|--------------------------------------------------------------------|--------|-----------|-------|-------|-----|-----------------|
| Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab             |        |           |       |       |     |                 |
| 9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)      | ND     |           | ng/g  | 0.782 | --  | 1               |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS) | ND     |           | ng/g  | 0.782 | --  | 1               |
| N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)                     | ND     |           | ng/g  | 0.196 | --  | 1               |
| N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)                      | ND     |           | ng/g  | 0.196 | --  | 1               |
| N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)              | ND     |           | ng/g  | 1.96  | --  | 1               |
| N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)               | ND     |           | ng/g  | 1.96  | --  | 1               |
| Perfluoro-3-Methoxypropanoic Acid (PFMPA)                          | ND     |           | ng/g  | 0.391 | --  | 1               |
| Perfluoro-4-Methoxybutanoic Acid (PFMBA)                           | ND     |           | ng/g  | 0.391 | --  | 1               |
| Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEEESA)                   | ND     |           | ng/g  | 0.391 | --  | 1               |
| Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)                         | ND     |           | ng/g  | 0.391 | --  | 1               |
| 3-Perfluoropropyl Propanoic Acid (3:3FTCA)                         | ND     |           | ng/g  | 0.978 | --  | 1               |
| 2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)                       | ND     |           | ng/g  | 4.89  | --  | 1               |
| 3-Perfluoroheptyl Propanoic Acid (7:3FTCA)                         | ND     |           | ng/g  | 4.89  | --  | 1               |

Project Name: TRURO DPW

Lab Number: L2441265

Project Number: TRU2501.P2

Report Date: 08/02/24

## SAMPLE RESULTS

Lab ID: L2441265-03

Date Collected: 07/19/24 10:15

Client ID: SB-6 (2-4)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter                                                             | Result     | Qualifier | Units | RL        | MDL                 | Dilution Factor |
|-----------------------------------------------------------------------|------------|-----------|-------|-----------|---------------------|-----------------|
| Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab                |            |           |       |           |                     |                 |
| Surrogate                                                             | % Recovery |           |       | Qualifier | Acceptance Criteria |                 |
| Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)                           | 76         |           |       |           | 46-106              |                 |
| Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)                         | 74         |           |       |           | 48-107              |                 |
| Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)               | 83         |           |       |           | 48-111              |                 |
| 1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)   | 89         |           |       |           | 23-136              |                 |
| Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)                | 78         |           |       |           | 48-106              |                 |
| Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)                 | 76         |           |       |           | 35-125              |                 |
| Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)              | 79         |           |       |           | 50-104              |                 |
| Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)                           | 79         |           |       |           | 48-109              |                 |
| 1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)   | 77         |           |       |           | 19-133              |                 |
| Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)                           | 75         |           |       |           | 48-106              |                 |
| Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)                     | 81         |           |       |           | 51-104              |                 |
| Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)               | 73         |           |       |           | 47-109              |                 |
| 1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)   | 93         |           |       |           | 10-175              |                 |
| N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)    | 80         |           |       |           | 10-154              |                 |
| Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)          | 65         |           |       |           | 38-119              |                 |
| Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)                      | 79         |           |       |           | 22-109              |                 |
| N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)     | 70         |           |       |           | 10-163              |                 |
| Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)                    | 52         |           |       |           | 33-111              |                 |
| Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)                | 44         |           |       |           | 15-109              |                 |
| Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA) | 65         |           |       |           | 45-108              |                 |
| N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)                | 52         |           |       |           | 10-97               |                 |
| N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)                 | 43         |           |       |           | 10-102              |                 |
| N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)            | 72         |           |       |           | 10-132              |                 |
| N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)             | 58         |           |       |           | 13-116              |                 |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441265  
**Report Date:** 08/02/24

**SAMPLE RESULTS**

**Lab ID:** L2441265-04  
**Client ID:** SB-7 (2-4)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 12:30  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 144,1633  
**Analytical Date:** 08/02/24 12:23  
**Analyst:** AC  
**Percent Solids:** 97%

**Extraction Method:** EPA 1633  
**Extraction Date:** 08/01/24 17:45  
**Cleanup Method:** EPA 1633  
**Cleanup Date:** 08/02/24

| Parameter                                                 | Result | Qualifier | Units | RL    | MDL | Dilution Factor |
|-----------------------------------------------------------|--------|-----------|-------|-------|-----|-----------------|
| Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab    |        |           |       |       |     |                 |
| Perfluorobutanoic Acid (PFBA)                             | ND     |           | ng/g  | 0.776 | --  | 1               |
| Perfluoropentanoic Acid (PFPeA)                           | ND     |           | ng/g  | 0.388 | --  | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                       | ND     |           | ng/g  | 0.194 | --  | 1               |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)         | ND     |           | ng/g  | 0.776 | --  | 1               |
| Perfluorohexanoic Acid (PFHxA)                            | ND     |           | ng/g  | 0.194 | --  | 1               |
| Perfluoropentanesulfonic Acid (PFPeS)                     | ND     |           | ng/g  | 0.194 | --  | 1               |
| Perfluoroheptanoic Acid (PFHpA)                           | ND     |           | ng/g  | 0.194 | --  | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                      | 0.445  |           | ng/g  | 0.194 | --  | 1               |
| Perfluorooctanoic Acid (PFOA)                             | 0.349  |           | ng/g  | 0.194 | --  | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)         | ND     |           | ng/g  | 0.776 | --  | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                     | ND     |           | ng/g  | 0.194 | --  | 1               |
| Perfluorononanoic Acid (PFNA)                             | 0.254  |           | ng/g  | 0.194 | --  | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                       | 4.24   |           | ng/g  | 0.194 | --  | 1               |
| Perfluorodecanoic Acid (PFDA)                             | ND     |           | ng/g  | 0.194 | --  | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)         | ND     |           | ng/g  | 0.776 | --  | 1               |
| Perfluorononanesulfonic Acid (PFNS)                       | ND     |           | ng/g  | 0.194 | --  | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND     |           | ng/g  | 0.194 | --  | 1               |
| Perfluoroundecanoic Acid (PFUnA)                          | 0.280  |           | ng/g  | 0.194 | --  | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                       | 0.241  |           | ng/g  | 0.194 | --  | 1               |
| Perfluorooctanesulfonamide (PFOSA)                        | ND     |           | ng/g  | 0.194 | --  | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)  | 0.247  |           | ng/g  | 0.194 | --  | 1               |
| Perfluorododecanoic Acid (PFDoA)                          | 0.213  |           | ng/g  | 0.194 | --  | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                        | ND     |           | ng/g  | 0.194 | --  | 1               |
| Perfluorotetradecanoic Acid (PFTeDA)                      | ND     |           | ng/g  | 0.194 | --  | 1               |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)            | ND     |           | ng/g  | 0.776 | --  | 1               |
| 4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)               | ND     |           | ng/g  | 0.776 | --  | 1               |
| Perfluorododecanesulfonic Acid (PFDoS)                    | ND     |           | ng/g  | 0.194 | --  | 1               |



**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441265  
**Report Date:** 08/02/24

**SAMPLE RESULTS**

**Lab ID:** L2441265-04  
**Client ID:** SB-7 (2-4)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 12:30  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

**Sample Depth:**

| Parameter                                                          | Result | Qualifier | Units | RL    | MDL | Dilution Factor |
|--------------------------------------------------------------------|--------|-----------|-------|-------|-----|-----------------|
| Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab             |        |           |       |       |     |                 |
| 9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)      | ND     |           | ng/g  | 0.776 | --  | 1               |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS) | ND     |           | ng/g  | 0.776 | --  | 1               |
| N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)                     | ND     |           | ng/g  | 0.194 | --  | 1               |
| N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)                      | ND     |           | ng/g  | 0.194 | --  | 1               |
| N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)              | ND     |           | ng/g  | 1.94  | --  | 1               |
| N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)               | ND     |           | ng/g  | 1.94  | --  | 1               |
| Perfluoro-3-Methoxypropanoic Acid (PFMPA)                          | ND     |           | ng/g  | 0.388 | --  | 1               |
| Perfluoro-4-Methoxybutanoic Acid (PFMBA)                           | ND     |           | ng/g  | 0.388 | --  | 1               |
| Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)                    | ND     |           | ng/g  | 0.388 | --  | 1               |
| Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)                         | ND     |           | ng/g  | 0.388 | --  | 1               |
| 3-Perfluoropropyl Propanoic Acid (3:3FTCA)                         | ND     |           | ng/g  | 0.970 | --  | 1               |
| 2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)                       | ND     |           | ng/g  | 4.85  | --  | 1               |
| 3-Perfluoroheptyl Propanoic Acid (7:3FTCA)                         | ND     |           | ng/g  | 4.85  | --  | 1               |

Project Name: TRURO DPW

Lab Number: L2441265

Project Number: TRU2501.P2

Report Date: 08/02/24

## SAMPLE RESULTS

Lab ID: L2441265-04

Date Collected: 07/19/24 12:30

Client ID: SB-7 (2-4)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter                                              | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--------------------------------------------------------|--------|-----------|-------|----|-----|-----------------|
| Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab |        |           |       |    |     |                 |

| Surrogate                                                             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------------------------------------------------------|------------|-----------|---------------------|
| Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)                           | 89         |           | 46-106              |
| Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)                         | 86         |           | 48-107              |
| Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)               | 93         |           | 48-111              |
| 1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)   | 104        |           | 23-136              |
| Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)                | 92         |           | 48-106              |
| Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)                 | 90         |           | 35-125              |
| Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)              | 88         |           | 50-104              |
| Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)                           | 90         |           | 48-109              |
| 1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)   | 98         |           | 19-133              |
| Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)                           | 91         |           | 48-106              |
| Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)                     | 88         |           | 51-104              |
| Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)               | 79         |           | 47-109              |
| 1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)   | 132        |           | 10-175              |
| N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)    | 93         |           | 10-154              |
| Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)          | 82         |           | 38-119              |
| Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)                      | 88         |           | 22-109              |
| N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)     | 101        |           | 10-163              |
| Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)                    | 77         |           | 33-111              |
| Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)                | 78         |           | 15-109              |
| Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA) | 78         |           | 45-108              |
| N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)                | 73         |           | 10-97               |
| N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)                 | 65         |           | 10-102              |
| N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)            | 82         |           | 10-132              |
| N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)             | 74         |           | 13-116              |

Project Name: TRURO DPW

Lab Number: L2441265

Project Number: TRU2501.P2

Report Date: 08/02/24

## SAMPLE RESULTS

Lab ID: L2441265-05  
 Client ID: SB-12 (16-18)  
 Sample Location: TRURO, MA

Date Collected: 07/19/24 13:00  
 Date Received: 07/23/24  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 144,1633  
 Analytical Date: 08/02/24 12:36  
 Analyst: AC  
 Percent Solids: 98%

Extraction Method: EPA 1633  
 Extraction Date: 08/01/24 17:45  
 Cleanup Method: EPA 1633  
 Cleanup Date: 08/02/24

| Parameter                                                 | Result | Qualifier | Units | RL    | MDL | Dilution Factor |
|-----------------------------------------------------------|--------|-----------|-------|-------|-----|-----------------|
| Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab    |        |           |       |       |     |                 |
| Perfluorobutanoic Acid (PFBA)                             | ND     |           | ng/g  | 0.767 | --  | 1               |
| Perfluoropentanoic Acid (PFPeA)                           | ND     |           | ng/g  | 0.383 | --  | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                       | ND     |           | ng/g  | 0.192 | --  | 1               |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)         | ND     |           | ng/g  | 0.767 | --  | 1               |
| Perfluorohexanoic Acid (PFHxA)                            | ND     |           | ng/g  | 0.192 | --  | 1               |
| Perfluoropentanesulfonic Acid (PFPeS)                     | ND     |           | ng/g  | 0.192 | --  | 1               |
| Perfluoroheptanoic Acid (PFHpA)                           | ND     |           | ng/g  | 0.192 | --  | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                      | ND     |           | ng/g  | 0.192 | --  | 1               |
| Perfluorooctanoic Acid (PFOA)                             | ND     |           | ng/g  | 0.192 | --  | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)         | ND     |           | ng/g  | 0.767 | --  | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                     | ND     |           | ng/g  | 0.192 | --  | 1               |
| Perfluorononanoic Acid (PFNA)                             | ND     |           | ng/g  | 0.192 | --  | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                       | ND     |           | ng/g  | 0.192 | --  | 1               |
| Perfluorodecanoic Acid (PFDA)                             | ND     |           | ng/g  | 0.192 | --  | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)         | ND     |           | ng/g  | 0.767 | --  | 1               |
| Perfluorononanesulfonic Acid (PFNS)                       | ND     |           | ng/g  | 0.192 | --  | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND     |           | ng/g  | 0.192 | --  | 1               |
| Perfluoroundecanoic Acid (PFUnA)                          | ND     |           | ng/g  | 0.192 | --  | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                       | ND     |           | ng/g  | 0.192 | --  | 1               |
| Perfluorooctanesulfonamide (PFOSA)                        | ND     |           | ng/g  | 0.192 | --  | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)  | ND     |           | ng/g  | 0.192 | --  | 1               |
| Perfluorododecanoic Acid (PFDoA)                          | ND     |           | ng/g  | 0.192 | --  | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                        | ND     |           | ng/g  | 0.192 | --  | 1               |
| Perfluorotetradecanoic Acid (PFTeDA)                      | ND     |           | ng/g  | 0.192 | --  | 1               |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)            | ND     |           | ng/g  | 0.767 | --  | 1               |
| 4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)               | ND     |           | ng/g  | 0.767 | --  | 1               |
| Perfluorododecanesulfonic Acid (PFDoS)                    | ND     |           | ng/g  | 0.192 | --  | 1               |

Project Name: TRURO DPW

Lab Number: L2441265

Project Number: TRU2501.P2

Report Date: 08/02/24

## SAMPLE RESULTS

Lab ID: L2441265-05

Date Collected: 07/19/24 13:00

Client ID: SB-12 (16-18)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter                                                          | Result | Qualifier | Units | RL    | MDL | Dilution Factor |
|--------------------------------------------------------------------|--------|-----------|-------|-------|-----|-----------------|
| Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab             |        |           |       |       |     |                 |
| 9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)      | ND     |           | ng/g  | 0.767 | --  | 1               |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS) | ND     |           | ng/g  | 0.767 | --  | 1               |
| N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)                     | ND     |           | ng/g  | 0.192 | --  | 1               |
| N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)                      | ND     |           | ng/g  | 0.192 | --  | 1               |
| N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)              | ND     |           | ng/g  | 1.92  | --  | 1               |
| N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)               | ND     |           | ng/g  | 1.92  | --  | 1               |
| Perfluoro-3-Methoxypropanoic Acid (PFMPA)                          | ND     |           | ng/g  | 0.383 | --  | 1               |
| Perfluoro-4-Methoxybutanoic Acid (PFMBA)                           | ND     |           | ng/g  | 0.383 | --  | 1               |
| Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEEESA)                   | ND     |           | ng/g  | 0.383 | --  | 1               |
| Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)                         | ND     |           | ng/g  | 0.383 | --  | 1               |
| 3-Perfluoropropyl Propanoic Acid (3:3FTCA)                         | ND     |           | ng/g  | 0.958 | --  | 1               |
| 2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)                       | ND     |           | ng/g  | 4.79  | --  | 1               |
| 3-Perfluoroheptyl Propanoic Acid (7:3FTCA)                         | ND     |           | ng/g  | 4.79  | --  | 1               |

Project Name: TRURO DPW

Lab Number: L2441265

Project Number: TRU2501.P2

Report Date: 08/02/24

## SAMPLE RESULTS

Lab ID: L2441265-05

Date Collected: 07/19/24 13:00

Client ID: SB-12 (16-18)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter                                                             | Result     | Qualifier | Units | RL        | MDL                 | Dilution Factor |
|-----------------------------------------------------------------------|------------|-----------|-------|-----------|---------------------|-----------------|
| Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab                |            |           |       |           |                     |                 |
| Surrogate                                                             | % Recovery |           |       | Qualifier | Acceptance Criteria |                 |
| Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)                           | 76         |           |       |           | 46-106              |                 |
| Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)                         | 71         |           |       |           | 48-107              |                 |
| Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)               | 80         |           |       |           | 48-111              |                 |
| 1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)   | 111        |           |       |           | 23-136              |                 |
| Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)                | 74         |           |       |           | 48-106              |                 |
| Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)                 | 71         |           |       |           | 35-125              |                 |
| Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)              | 74         |           |       |           | 50-104              |                 |
| Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)                           | 78         |           |       |           | 48-109              |                 |
| 1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)   | 80         |           |       |           | 19-133              |                 |
| Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)                           | 76         |           |       |           | 48-106              |                 |
| Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)                     | 81         |           |       |           | 51-104              |                 |
| Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)               | 71         |           |       |           | 47-109              |                 |
| 1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)   | 109        |           |       |           | 10-175              |                 |
| N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)    | 83         |           |       |           | 10-154              |                 |
| Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)          | 66         |           |       |           | 38-119              |                 |
| Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)                      | 74         |           |       |           | 22-109              |                 |
| N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)     | 81         |           |       |           | 10-163              |                 |
| Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)                    | 63         |           |       |           | 33-111              |                 |
| Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)                | 63         |           |       |           | 15-109              |                 |
| Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA) | 60         |           |       |           | 45-108              |                 |
| N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)                | 56         |           |       |           | 10-97               |                 |
| N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)                 | 52         |           |       |           | 10-102              |                 |
| N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)            | 70         |           |       |           | 10-132              |                 |
| N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)             | 59         |           |       |           | 13-116              |                 |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441265  
**Report Date:** 08/02/24

**SAMPLE RESULTS**

**Lab ID:** L2441265-06  
**Client ID:** SB-14 (4-6)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 09:50  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 144,1633  
**Analytical Date:** 08/02/24 12:48  
**Analyst:** AC  
**Percent Solids:** 98%

**Extraction Method:** EPA 1633  
**Extraction Date:** 08/01/24 17:45  
**Cleanup Method:** EPA 1633  
**Cleanup Date:** 08/02/24

| Parameter                                                 | Result | Qualifier | Units | RL    | MDL | Dilution Factor |
|-----------------------------------------------------------|--------|-----------|-------|-------|-----|-----------------|
| Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab    |        |           |       |       |     |                 |
| Perfluorobutanoic Acid (PFBA)                             | ND     |           | ng/g  | 0.792 | --  | 1               |
| Perfluoropentanoic Acid (PFPeA)                           | ND     |           | ng/g  | 0.396 | --  | 1               |
| Perfluorobutanesulfonic Acid (PFBS)                       | ND     |           | ng/g  | 0.198 | --  | 1               |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)         | ND     |           | ng/g  | 0.792 | --  | 1               |
| Perfluorohexanoic Acid (PFHxA)                            | ND     |           | ng/g  | 0.198 | --  | 1               |
| Perfluoropentanesulfonic Acid (PFPeS)                     | ND     |           | ng/g  | 0.198 | --  | 1               |
| Perfluoroheptanoic Acid (PFHpA)                           | ND     |           | ng/g  | 0.198 | --  | 1               |
| Perfluorohexanesulfonic Acid (PFHxS)                      | ND     |           | ng/g  | 0.198 | --  | 1               |
| Perfluorooctanoic Acid (PFOA)                             | ND     |           | ng/g  | 0.198 | --  | 1               |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)         | ND     |           | ng/g  | 0.792 | --  | 1               |
| Perfluoroheptanesulfonic Acid (PFHpS)                     | ND     |           | ng/g  | 0.198 | --  | 1               |
| Perfluorononanoic Acid (PFNA)                             | ND     |           | ng/g  | 0.198 | --  | 1               |
| Perfluorooctanesulfonic Acid (PFOS)                       | ND     |           | ng/g  | 0.198 | --  | 1               |
| Perfluorodecanoic Acid (PFDA)                             | ND     |           | ng/g  | 0.198 | --  | 1               |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)         | ND     |           | ng/g  | 0.792 | --  | 1               |
| Perfluorononanesulfonic Acid (PFNS)                       | ND     |           | ng/g  | 0.198 | --  | 1               |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND     |           | ng/g  | 0.198 | --  | 1               |
| Perfluoroundecanoic Acid (PFUnA)                          | ND     |           | ng/g  | 0.198 | --  | 1               |
| Perfluorodecanesulfonic Acid (PFDS)                       | ND     |           | ng/g  | 0.198 | --  | 1               |
| Perfluorooctanesulfonamide (PFOSA)                        | ND     |           | ng/g  | 0.198 | --  | 1               |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)  | ND     |           | ng/g  | 0.198 | --  | 1               |
| Perfluorododecanoic Acid (PFDoA)                          | ND     |           | ng/g  | 0.198 | --  | 1               |
| Perfluorotridecanoic Acid (PFTrDA)                        | ND     |           | ng/g  | 0.198 | --  | 1               |
| Perfluorotetradecanoic Acid (PFTeDA)                      | ND     |           | ng/g  | 0.198 | --  | 1               |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)            | ND     |           | ng/g  | 0.792 | --  | 1               |
| 4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)               | ND     |           | ng/g  | 0.792 | --  | 1               |
| Perfluorododecanesulfonic Acid (PFDoS)                    | ND     |           | ng/g  | 0.198 | --  | 1               |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441265  
**Report Date:** 08/02/24

**SAMPLE RESULTS**

**Lab ID:** L2441265-06  
**Client ID:** SB-14 (4-6)  
**Sample Location:** TRURO, MA

**Date Collected:** 07/19/24 09:50  
**Date Received:** 07/23/24  
**Field Prep:** Not Specified

**Sample Depth:**

| Parameter                                                          | Result | Qualifier | Units | RL    | MDL | Dilution Factor |
|--------------------------------------------------------------------|--------|-----------|-------|-------|-----|-----------------|
| Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab             |        |           |       |       |     |                 |
| 9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)      | ND     |           | ng/g  | 0.792 | --  | 1               |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS) | ND     |           | ng/g  | 0.792 | --  | 1               |
| N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)                     | ND     |           | ng/g  | 0.198 | --  | 1               |
| N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)                      | ND     |           | ng/g  | 0.198 | --  | 1               |
| N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)              | ND     |           | ng/g  | 1.98  | --  | 1               |
| N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)               | ND     |           | ng/g  | 1.98  | --  | 1               |
| Perfluoro-3-Methoxypropanoic Acid (PFMPA)                          | ND     |           | ng/g  | 0.396 | --  | 1               |
| Perfluoro-4-Methoxybutanoic Acid (PFMBA)                           | ND     |           | ng/g  | 0.396 | --  | 1               |
| Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEEESA)                   | ND     |           | ng/g  | 0.396 | --  | 1               |
| Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)                         | ND     |           | ng/g  | 0.396 | --  | 1               |
| 3-Perfluoropropyl Propanoic Acid (3:3FTCA)                         | ND     |           | ng/g  | 0.991 | --  | 1               |
| 2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)                       | ND     |           | ng/g  | 4.95  | --  | 1               |
| 3-Perfluoroheptyl Propanoic Acid (7:3FTCA)                         | ND     |           | ng/g  | 4.95  | --  | 1               |

Project Name: TRURO DPW

Lab Number: L2441265

Project Number: TRU2501.P2

Report Date: 08/02/24

## SAMPLE RESULTS

Lab ID: L2441265-06

Date Collected: 07/19/24 09:50

Client ID: SB-14 (4-6)

Date Received: 07/23/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

| Parameter                                                             | Result     | Qualifier | Units | RL        | MDL                 | Dilution Factor |
|-----------------------------------------------------------------------|------------|-----------|-------|-----------|---------------------|-----------------|
| Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab                |            |           |       |           |                     |                 |
| Surrogate                                                             | % Recovery |           |       | Qualifier | Acceptance Criteria |                 |
| Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)                           | 76         |           |       |           | 46-106              |                 |
| Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)                         | 70         |           |       |           | 48-107              |                 |
| Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)               | 78         |           |       |           | 48-111              |                 |
| 1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)   | 89         |           |       |           | 23-136              |                 |
| Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)                | 69         |           |       |           | 48-106              |                 |
| Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)                 | 73         |           |       |           | 35-125              |                 |
| Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)              | 78         |           |       |           | 50-104              |                 |
| Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)                           | 76         |           |       |           | 48-109              |                 |
| 1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)   | 81         |           |       |           | 19-133              |                 |
| Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)                           | 78         |           |       |           | 48-106              |                 |
| Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)                     | 79         |           |       |           | 51-104              |                 |
| Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)               | 72         |           |       |           | 47-109              |                 |
| 1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)   | 112        |           |       |           | 10-175              |                 |
| N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)    | 68         |           |       |           | 10-154              |                 |
| Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)          | 62         |           |       |           | 38-119              |                 |
| Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)                      | 74         |           |       |           | 22-109              |                 |
| N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)     | 65         |           |       |           | 10-163              |                 |
| Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)                    | 61         |           |       |           | 33-111              |                 |
| Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)                | 60         |           |       |           | 15-109              |                 |
| Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA) | 62         |           |       |           | 45-108              |                 |
| N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)                | 58         |           |       |           | 10-97               |                 |
| N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)                 | 54         |           |       |           | 10-102              |                 |
| N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)            | 70         |           |       |           | 10-132              |                 |
| N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)             | 59         |           |       |           | 13-116              |                 |



**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441265  
**Report Date:** 08/02/24

### Method Blank Analysis Batch Quality Control

**Analytical Method:** 144,1633  
**Analytical Date:** 08/02/24 08:15  
**Analyst:** AC

**Extraction Method:** EPA 1633  
**Extraction Date:** 08/01/24 17:45  
**Cleanup Method:** EPA 1633  
**Cleanup Date:** 08/02/24

| Parameter                                                                                      | Result | Qualifier | Units | RL    | MDL |
|------------------------------------------------------------------------------------------------|--------|-----------|-------|-------|-----|
| Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-06 Batch: WG1954324-1 |        |           |       |       |     |
| Perfluorobutanoic Acid (PFBA)                                                                  | ND     |           | ng/g  | 0.800 | --  |
| Perfluoropentanoic Acid (PFPeA)                                                                | ND     |           | ng/g  | 0.400 | --  |
| Perfluorobutanesulfonic Acid (PFBS)                                                            | ND     |           | ng/g  | 0.200 | --  |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)                                              | ND     |           | ng/g  | 0.800 | --  |
| Perfluorohexanoic Acid (PFHxA)                                                                 | ND     |           | ng/g  | 0.200 | --  |
| Perfluoropentanesulfonic Acid (PFPeS)                                                          | ND     |           | ng/g  | 0.200 | --  |
| Perfluoroheptanoic Acid (PFHpA)                                                                | ND     |           | ng/g  | 0.200 | --  |
| Perfluorohexanesulfonic Acid (PFHxS)                                                           | ND     |           | ng/g  | 0.200 | --  |
| Perfluorooctanoic Acid (PFOA)                                                                  | ND     |           | ng/g  | 0.200 | --  |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                                              | ND     |           | ng/g  | 0.800 | --  |
| Perfluoroheptanesulfonic Acid (PFHpS)                                                          | ND     |           | ng/g  | 0.200 | --  |
| Perfluorononanoic Acid (PFNA)                                                                  | ND     |           | ng/g  | 0.200 | --  |
| Perfluorooctanesulfonic Acid (PFOS)                                                            | ND     |           | ng/g  | 0.200 | --  |
| Perfluorodecanoic Acid (PFDA)                                                                  | ND     |           | ng/g  | 0.200 | --  |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                                              | ND     |           | ng/g  | 0.800 | --  |
| Perfluorononanesulfonic Acid (PFNS)                                                            | ND     |           | ng/g  | 0.200 | --  |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)                                      | ND     |           | ng/g  | 0.200 | --  |
| Perfluoroundecanoic Acid (PFUnA)                                                               | ND     |           | ng/g  | 0.200 | --  |
| Perfluorodecanesulfonic Acid (PFDS)                                                            | ND     |           | ng/g  | 0.200 | --  |
| Perfluorooctanesulfonamide (PFOSA)                                                             | ND     |           | ng/g  | 0.200 | --  |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)                                       | ND     |           | ng/g  | 0.200 | --  |
| Perfluorododecanoic Acid (PFDoA)                                                               | ND     |           | ng/g  | 0.200 | --  |
| Perfluorotridecanoic Acid (PFTrDA)                                                             | ND     |           | ng/g  | 0.200 | --  |
| Perfluorotetradecanoic Acid (PFTeDA)                                                           | ND     |           | ng/g  | 0.200 | --  |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)                                                 | ND     |           | ng/g  | 0.800 | --  |
| 4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)                                                    | ND     |           | ng/g  | 0.800 | --  |
| Perfluorododecanesulfonic Acid (PFDoS)                                                         | ND     |           | ng/g  | 0.200 | --  |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441265  
**Report Date:** 08/02/24

### Method Blank Analysis Batch Quality Control

**Analytical Method:** 144,1633  
**Analytical Date:** 08/02/24 08:15  
**Analyst:** AC

**Extraction Method:** EPA 1633  
**Extraction Date:** 08/01/24 17:45  
**Cleanup Method:** EPA 1633  
**Cleanup Date:** 08/02/24

| Parameter                                                                                      | Result | Qualifier | Units | RL    | MDL |
|------------------------------------------------------------------------------------------------|--------|-----------|-------|-------|-----|
| Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-06 Batch: WG1954324-1 |        |           |       |       |     |
| 9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)                                  | ND     |           | ng/g  | 0.800 | --  |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)                             | ND     |           | ng/g  | 0.800 | --  |
| N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)                                                 | ND     |           | ng/g  | 0.200 | --  |
| N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)                                                  | ND     |           | ng/g  | 0.200 | --  |
| N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)                                          | ND     |           | ng/g  | 2.00  | --  |
| N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)                                           | ND     |           | ng/g  | 2.00  | --  |
| Perfluoro-3-Methoxypropanoic Acid (PFMPA)                                                      | ND     |           | ng/g  | 0.400 | --  |
| Perfluoro-4-Methoxybutanoic Acid (PFMBA)                                                       | ND     |           | ng/g  | 0.400 | --  |
| Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)                                                | ND     |           | ng/g  | 0.400 | --  |
| Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)                                                     | ND     |           | ng/g  | 0.400 | --  |
| 3-Perfluoropropyl Propanoic Acid (3:3FTCA)                                                     | ND     |           | ng/g  | 1.00  | --  |
| 2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)                                                   | ND     |           | ng/g  | 5.00  | --  |
| 3-Perfluoroheptyl Propanoic Acid (7:3FTCA)                                                     | ND     |           | ng/g  | 5.00  | --  |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441265  
**Report Date:** 08/02/24

### Method Blank Analysis Batch Quality Control

**Analytical Method:** 144,1633  
**Analytical Date:** 08/02/24 08:15  
**Analyst:** AC

**Extraction Method:** EPA 1633  
**Extraction Date:** 08/01/24 17:45  
**Cleanup Method:** EPA 1633  
**Cleanup Date:** 08/02/24

| Parameter                                                                                      | Result | Qualifier | Units | RL | MDL |
|------------------------------------------------------------------------------------------------|--------|-----------|-------|----|-----|
| Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-06 Batch: WG1954324-1 |        |           |       |    |     |

| Surrogate                                                             | %Recovery | Qualifier | Acceptance Criteria |
|-----------------------------------------------------------------------|-----------|-----------|---------------------|
| Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)                           | 77        |           | 46-106              |
| Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)                         | 76        |           | 48-107              |
| Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)               | 84        |           | 48-111              |
| 1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)   | 90        |           | 23-136              |
| Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)                | 76        |           | 48-106              |
| Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)                 | 75        |           | 35-125              |
| Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)              | 83        |           | 50-104              |
| Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)                           | 85        |           | 48-109              |
| 1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)   | 79        |           | 19-133              |
| Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)                           | 79        |           | 48-106              |
| Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)                     | 84        |           | 51-104              |
| Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)               | 75        |           | 47-109              |
| 1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)   | 84        |           | 10-175              |
| N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)    | 81        |           | 10-154              |
| Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)          | 69        |           | 38-119              |
| Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)                      | 78        |           | 22-109              |
| N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)     | 77        |           | 10-163              |
| Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)                    | 59        |           | 33-111              |
| Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)                | 41        |           | 15-109              |
| Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA) | 69        |           | 45-108              |
| N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)                | 54        |           | 10-97               |
| N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)                 | 51        |           | 10-102              |
| N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)            | 57        |           | 10-132              |
| N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)             | 59        |           | 13-116              |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU2501.P2

Lab Number: L2441265

Report Date: 08/02/24

| Parameter                                                                                                       | Low Level<br>LCS<br>%Recovery | Qual | Low Level<br>LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------------------------------|-------------------------------|------|--------------------------------|------|---------------------|-----|------|---------------|
| Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-06 Batch: WG1954324-2 LOW LEVEL |                               |      |                                |      |                     |     |      |               |
| Perfluorobutanoic Acid (PFBA)                                                                                   | 108                           |      | -                              |      | 40-150              | -   |      | 30            |
| Perfluoropentanoic Acid (PFPeA)                                                                                 | 102                           |      | -                              |      | 40-150              | -   |      | 30            |
| Perfluorobutanesulfonic Acid (PFBS)                                                                             | 110                           |      | -                              |      | 40-150              | -   |      | 30            |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)                                                               | 116                           |      | -                              |      | 40-150              | -   |      | 30            |
| Perfluorohexanoic Acid (PFHxA)                                                                                  | 105                           |      | -                              |      | 40-150              | -   |      | 30            |
| Perfluoropentanesulfonic Acid (PFPeS)                                                                           | 105                           |      | -                              |      | 40-150              | -   |      | 30            |
| Perfluoroheptanoic Acid (PFHpA)                                                                                 | 106                           |      | -                              |      | 40-150              | -   |      | 30            |
| Perfluorohexanesulfonic Acid (PFHxS)                                                                            | 107                           |      | -                              |      | 40-150              | -   |      | 30            |
| Perfluorooctanoic Acid (PFOA)                                                                                   | 100                           |      | -                              |      | 40-150              | -   |      | 30            |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                                                               | 103                           |      | -                              |      | 40-150              | -   |      | 30            |
| Perfluoroheptanesulfonic Acid (PFHpS)                                                                           | 95                            |      | -                              |      | 40-150              | -   |      | 30            |
| Perfluorononanoic Acid (PFNA)                                                                                   | 114                           |      | -                              |      | 40-150              | -   |      | 30            |
| Perfluorooctanesulfonic Acid (PFOS)                                                                             | 102                           |      | -                              |      | 40-150              | -   |      | 30            |
| Perfluorodecanoic Acid (PFDA)                                                                                   | 108                           |      | -                              |      | 40-150              | -   |      | 30            |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                                                               | 109                           |      | -                              |      | 40-150              | -   |      | 30            |
| Perfluorononanesulfonic Acid (PFNS)                                                                             | 91                            |      | -                              |      | 40-150              | -   |      | 30            |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)                                                       | 74                            |      | -                              |      | 40-150              | -   |      | 30            |
| Perfluoroundecanoic Acid (PFUnA)                                                                                | 102                           |      | -                              |      | 40-150              | -   |      | 30            |
| Perfluorodecanesulfonic Acid (PFDS)                                                                             | 90                            |      | -                              |      | 40-150              | -   |      | 30            |
| Perfluorooctanesulfonamide (PFOSA)                                                                              | 98                            |      | -                              |      | 40-150              | -   |      | 30            |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)                                                        | 101                           |      | -                              |      | 40-150              | -   |      | 30            |
| Perfluorododecanoic Acid (PFDoA)                                                                                | 116                           |      | -                              |      | 40-150              | -   |      | 30            |

# **Lab Control Sample Analysis** Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU2501.P2

Lab Number: L2441265

Report Date: 08/02/24

| Parameter                                                                                                       | Low Level<br>LCS<br>%Recovery | Qual | Low Level<br>LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------------------------------|-------------------------------|------|--------------------------------|------|---------------------|-----|------|---------------|
| Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-06 Batch: WG1954324-2 LOW LEVEL |                               |      |                                |      |                     |     |      |               |
| Perfluorotridecanoic Acid (PFTrDA)                                                                              | 102                           |      | -                              |      | 40-150              | -   |      | 30            |
| Perfluorotetradecanoic Acid (PFTeDA)                                                                            | 124                           |      | -                              |      | 40-150              | -   |      | 30            |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)                                                                  | 106                           |      | -                              |      | 40-150              | -   |      | 30            |
| 4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)                                                                     | 113                           |      | -                              |      | 40-150              | -   |      | 30            |
| Perfluorododecanesulfonic Acid (PFDoS)                                                                          | 75                            |      | -                              |      | 40-150              | -   |      | 30            |
| 9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)                                                   | 127                           |      | -                              |      | 40-150              | -   |      | 30            |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)                                              | 109                           |      | -                              |      | 40-150              | -   |      | 30            |
| N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)                                                                  | 94                            |      | -                              |      | 40-150              | -   |      | 30            |
| N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)                                                                   | 97                            |      | -                              |      | 40-150              | -   |      | 30            |
| N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)                                                           | 108                           |      | -                              |      | 40-150              | -   |      | 30            |
| N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)                                                            | 113                           |      | -                              |      | 40-150              | -   |      | 30            |
| Perfluoro-3-Methoxypropanoic Acid (PFMPA)                                                                       | 100                           |      | -                              |      | 40-150              | -   |      | 30            |
| Perfluoro-4-Methoxybutanoic Acid (PFMBA)                                                                        | 111                           |      | -                              |      | 40-150              | -   |      | 30            |
| Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)                                                                 | 112                           |      | -                              |      | 40-150              | -   |      | 30            |
| Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)                                                                      | 79                            |      | -                              |      | 40-150              | -   |      | 30            |
| 3-Perfluoropropyl Propanoic Acid (3:3FTCA)                                                                      | 89                            |      | -                              |      | 40-150              | -   |      | 30            |
| 2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)                                                                    | 104                           |      | -                              |      | 40-150              | -   |      | 30            |
| 3-Perfluoroheptyl Propanoic Acid (7:3FTCA)                                                                      | 89                            |      | -                              |      | 40-150              | -   |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Lab Number: L2441265

Project Number: TRU2501.P2

Report Date: 08/02/24

| Parameter                                                                                                       | Low Level<br>LCS<br>%Recovery | Qual | Low Level<br>LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------------------------------|-------------------------------|------|--------------------------------|------|---------------------|-----|------|---------------|
| Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-06 Batch: WG1954324-2 LOW LEVEL |                               |      |                                |      |                     |     |      |               |

| Surrogate                                                             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|-----------------------------------------------------------------------|------------------|------|-------------------|------|------------------------|
| Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)                           | 75               |      |                   |      | 46-106                 |
| Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)                         | 78               |      |                   |      | 48-107                 |
| Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)               | 84               |      |                   |      | 48-111                 |
| 1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)   | 80               |      |                   |      | 23-136                 |
| Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)                | 76               |      |                   |      | 48-106                 |
| Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)                 | 76               |      |                   |      | 35-125                 |
| Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)              | 81               |      |                   |      | 50-104                 |
| Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)                           | 80               |      |                   |      | 48-109                 |
| 1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)   | 80               |      |                   |      | 19-133                 |
| Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)                           | 78               |      |                   |      | 48-106                 |
| Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)                     | 84               |      |                   |      | 51-104                 |
| Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)               | 75               |      |                   |      | 47-109                 |
| 1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)   | 74               |      |                   |      | 10-175                 |
| N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)    | 94               |      |                   |      | 10-154                 |
| Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)          | 70               |      |                   |      | 38-119                 |
| Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)                      | 76               |      |                   |      | 22-109                 |
| N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)     | 82               |      |                   |      | 10-163                 |
| Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)                    | 56               |      |                   |      | 33-111                 |
| Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)                | 45               |      |                   |      | 15-109                 |
| Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA) | 72               |      |                   |      | 45-108                 |
| N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)                | 59               |      |                   |      | 10-97                  |
| N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)                 | 52               |      |                   |      | 10-102                 |
| N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)            | 57               |      |                   |      | 10-132                 |
| N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)             | 59               |      |                   |      | 13-116                 |

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** TRURO DPW

**Project Number:** TRU2501.P2

**Lab Number:** L2441265

**Report Date:** 08/02/24

| Parameter                                                                                             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-06 Batch: WG1954324-3 |                  |      |                   |      |                     |     |      |               |
| Perfluorobutanoic Acid (PFBA)                                                                         | 115              |      | -                 |      | 40-150              | -   |      | 30            |
| Perfluoropentanoic Acid (PFPeA)                                                                       | 106              |      | -                 |      | 40-150              | -   |      | 30            |
| Perfluorobutanesulfonic Acid (PFBS)                                                                   | 119              |      | -                 |      | 40-150              | -   |      | 30            |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)                                                     | 122              |      | -                 |      | 40-150              | -   |      | 30            |
| Perfluorohexanoic Acid (PFHxA)                                                                        | 113              |      | -                 |      | 40-150              | -   |      | 30            |
| Perfluoropentanesulfonic Acid (PFPeS)                                                                 | 116              |      | -                 |      | 40-150              | -   |      | 30            |
| Perfluoroheptanoic Acid (PFHpA)                                                                       | 113              |      | -                 |      | 40-150              | -   |      | 30            |
| Perfluorohexanesulfonic Acid (PFHxS)                                                                  | 107              |      | -                 |      | 40-150              | -   |      | 30            |
| Perfluorooctanoic Acid (PFOA)                                                                         | 100              |      | -                 |      | 40-150              | -   |      | 30            |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)                                                     | 118              |      | -                 |      | 40-150              | -   |      | 30            |
| Perfluoroheptanesulfonic Acid (PFHpS)                                                                 | 106              |      | -                 |      | 40-150              | -   |      | 30            |
| Perfluorononanoic Acid (PFNA)                                                                         | 116              |      | -                 |      | 40-150              | -   |      | 30            |
| Perfluorooctanesulfonic Acid (PFOS)                                                                   | 107              |      | -                 |      | 40-150              | -   |      | 30            |
| Perfluorodecanoic Acid (PFDA)                                                                         | 112              |      | -                 |      | 40-150              | -   |      | 30            |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)                                                     | 112              |      | -                 |      | 40-150              | -   |      | 30            |
| Perfluorononanesulfonic Acid (PFNS)                                                                   | 104              |      | -                 |      | 40-150              | -   |      | 30            |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)                                             | 94               |      | -                 |      | 40-150              | -   |      | 30            |
| Perfluoroundecanoic Acid (PFUnA)                                                                      | 112              |      | -                 |      | 40-150              | -   |      | 30            |
| Perfluorodecanesulfonic Acid (PFDS)                                                                   | 98               |      | -                 |      | 40-150              | -   |      | 30            |
| Perfluorooctanesulfonamide (PFOSA)                                                                    | 105              |      | -                 |      | 40-150              | -   |      | 30            |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)                                              | 112              |      | -                 |      | 40-150              | -   |      | 30            |
| Perfluorododecanoic Acid (PFDoA)                                                                      | 117              |      | -                 |      | 40-150              | -   |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU2501.P2

Lab Number: L2441265

Report Date: 08/02/24

| Parameter                                                                                             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-06 Batch: WG1954324-3 |                  |      |                   |      |                     |     |      |               |
| Perfluorotridecanoic Acid (PFTrDA)                                                                    | 96               |      | -                 |      | 40-150              | -   |      | 30            |
| Perfluorotetradecanoic Acid (PFTeDA)                                                                  | 128              |      | -                 |      | 40-150              | -   |      | 30            |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)                                                        | 117              |      | -                 |      | 40-150              | -   |      | 30            |
| 4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)                                                           | 124              |      | -                 |      | 40-150              | -   |      | 30            |
| Perfluorododecanesulfonic Acid (PFDoS)                                                                | 76               |      | -                 |      | 40-150              | -   |      | 30            |
| 9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)                                         | 135              |      | -                 |      | 40-150              | -   |      | 30            |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)                                    | 120              |      | -                 |      | 40-150              | -   |      | 30            |
| N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)                                                        | 106              |      | -                 |      | 40-150              | -   |      | 30            |
| N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)                                                         | 109              |      | -                 |      | 40-150              | -   |      | 30            |
| N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)                                                 | 111              |      | -                 |      | 40-150              | -   |      | 30            |
| N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)                                                  | 120              |      | -                 |      | 40-150              | -   |      | 30            |
| Perfluoro-3-Methoxypropanoic Acid (PFMPA)                                                             | 105              |      | -                 |      | 40-150              | -   |      | 30            |
| Perfluoro-4-Methoxybutanoic Acid (PFMBA)                                                              | 115              |      | -                 |      | 40-150              | -   |      | 30            |
| Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)                                                       | 117              |      | -                 |      | 40-150              | -   |      | 30            |
| Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)                                                            | 77               |      | -                 |      | 40-150              | -   |      | 30            |
| 3-Perfluoropropyl Propanoic Acid (3:3FTCA)                                                            | 100              |      | -                 |      | 40-150              | -   |      | 30            |
| 2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)                                                          | 112              |      | -                 |      | 40-150              | -   |      | 30            |
| 3-Perfluoroheptyl Propanoic Acid (7:3FTCA)                                                            | 94               |      | -                 |      | 40-150              | -   |      | 30            |



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU2501.P2

Lab Number: L2441265

Report Date: 08/02/24

| Parameter | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
|-----------|------------------|------|-------------------|------|---------------------|-----|------|---------------|

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-06 Batch: WG1954324-3

| Surrogate                                                             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|-----------------------------------------------------------------------|------------------|------|-------------------|------|------------------------|
| Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)                           | 77               |      |                   |      | 46-106                 |
| Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)                         | 72               |      |                   |      | 48-107                 |
| Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)               | 82               |      |                   |      | 48-111                 |
| 1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)   | 81               |      |                   |      | 23-136                 |
| Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)                | 72               |      |                   |      | 48-106                 |
| Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)                 | 70               |      |                   |      | 35-125                 |
| Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)              | 80               |      |                   |      | 50-104                 |
| Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)                           | 81               |      |                   |      | 48-109                 |
| 1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)   | 77               |      |                   |      | 19-133                 |
| Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)                           | 82               |      |                   |      | 48-106                 |
| Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)                     | 85               |      |                   |      | 51-104                 |
| Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)               | 74               |      |                   |      | 47-109                 |
| 1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)   | 74               |      |                   |      | 10-175                 |
| N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)    | 97               |      |                   |      | 10-154                 |
| Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)          | 67               |      |                   |      | 38-119                 |
| Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)                      | 78               |      |                   |      | 22-109                 |
| N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)     | 75               |      |                   |      | 10-163                 |
| Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)                    | 58               |      |                   |      | 33-111                 |
| Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)                | 40               |      |                   |      | 15-109                 |
| Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA) | 64               |      |                   |      | 45-108                 |
| N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)                | 56               |      |                   |      | 10-97                  |
| N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)                 | 51               |      |                   |      | 10-102                 |
| N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)            | 60               |      |                   |      | 10-132                 |
| N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)             | 59               |      |                   |      | 13-116                 |

# **INORGANICS & MISCELLANEOUS**

**Project Name:** TRURO DPW**Project Number:** TRU2501.P2**Lab Number:** L2441265**Report Date:** 08/02/24**SAMPLE RESULTS****Lab ID:** L2441265-01**Client ID:** SB-1 (2-4)**Sample Location:** TRURO, MA**Date Collected:** 07/19/24 09:15**Date Received:** 07/23/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                         | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-----------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Mansfield Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                     | 98.2   |           | %     | 0.100 | --  | 1                  | -                | 07/24/24 13:21   | 121,2540G            | MEB     |



**Project Name:** TRURO DPW**Project Number:** TRU2501.P2**Lab Number:** L2441265**Report Date:** 08/02/24**SAMPLE RESULTS****Lab ID:** L2441265-02**Client ID:** SB-2 (4-6)**Sample Location:** TRURO, MA**Date Collected:** 07/19/24 09:40**Date Received:** 07/23/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                         | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-----------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Mansfield Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                     | 97.4   |           | %     | 0.100 | --  | 1                  | -                | 07/24/24 13:21   | 121,2540G            | MEB     |



**Project Name:** TRURO DPW**Project Number:** TRU2501.P2**Lab Number:** L2441265**Report Date:** 08/02/24**SAMPLE RESULTS****Lab ID:** L2441265-03**Client ID:** SB-6 (2-4)**Sample Location:** TRURO, MA**Date Collected:** 07/19/24 10:15**Date Received:** 07/23/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                         | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-----------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Mansfield Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                     | 97.2   |           | %     | 0.100 | --  | 1                  | -                | 07/24/24 13:21   | 121,2540G            | MEB     |



**Project Name:** TRURO DPW**Project Number:** TRU2501.P2**Lab Number:** L2441265**Report Date:** 08/02/24**SAMPLE RESULTS****Lab ID:** L2441265-04**Client ID:** SB-7 (2-4)**Sample Location:** TRURO, MA**Date Collected:** 07/19/24 12:30**Date Received:** 07/23/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                         | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-----------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Mansfield Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                     | 97.4   |           | %     | 0.100 | --  | 1                  | -                | 07/24/24 13:21   | 121,2540G            | MEB     |



**Project Name:** TRURO DPW**Project Number:** TRU2501.P2**Lab Number:** L2441265**Report Date:** 08/02/24**SAMPLE RESULTS****Lab ID:** L2441265-05**Client ID:** SB-12 (16-18)**Sample Location:** TRURO, MA**Date Collected:** 07/19/24 13:00**Date Received:** 07/23/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                         | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-----------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Mansfield Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                     | 97.5   |           | %     | 0.100 | --  | 1                  | -                | 07/24/24 13:21   | 121,2540G            | MEB     |



**Project Name:** TRURO DPW**Project Number:** TRU2501.P2**Lab Number:** L2441265**Report Date:** 08/02/24**SAMPLE RESULTS****Lab ID:** L2441265-06**Client ID:** SB-14 (4-6)**Sample Location:** TRURO, MA**Date Collected:** 07/19/24 09:50**Date Received:** 07/23/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                         | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-----------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Mansfield Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                     | 98.0   |           | %     | 0.100 | --  | 1                  | -                | 07/24/24 13:21   | 121,2540G            | MEB     |





Lab Duplicate Analysis  
Batch Quality Control

Project Name: TRURO DPW  
Project Number: TRU2501.P2

Lab Number: L2441265  
Report Date: 08/02/24

| Parameter                                                                                                                           | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|-------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------|-----|------|------------|
| General Chemistry - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1950868-1 QC Sample: L2441265-01 Client ID: SB-1 (2-4) |               |                  |       |     |      |            |
| Solids, Total                                                                                                                       | 98.2          | 99.4             | %     | 1   |      | 10         |



**Project Name:** TRURO DPW**Lab Number:** L2441265**Project Number:** TRU2501.P2**Report Date:** 08/02/24**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

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

A                                  Absent

B                                  Absent

**Container Information**

| <b>Container ID</b> | <b>Container Type</b>   | <b>Cooler</b> | <b>Initial<br/>pH</b> | <b>Final<br/>pH</b> | <b>Temp<br/>deg C</b> | <b>Pres</b> | <b>Seal</b> | <b>Frozen<br/>Date/Time</b> | <b>Analysis(*)</b>         |
|---------------------|-------------------------|---------------|-----------------------|---------------------|-----------------------|-------------|-------------|-----------------------------|----------------------------|
| L2441265-01A        | Plastic 8oz unpreserved | A             | NA                    |                     | 4.6                   | Y           | Absent      |                             | A2-TS(7),A2-1633-DRAFT(90) |
| L2441265-02A        | Plastic 8oz unpreserved | A             | NA                    |                     | 4.6                   | Y           | Absent      |                             | A2-TS(7),A2-1633-DRAFT(90) |
| L2441265-03A        | Plastic 8oz unpreserved | A             | NA                    |                     | 4.6                   | Y           | Absent      |                             | A2-TS(7),A2-1633-DRAFT(90) |
| L2441265-04A        | Plastic 8oz unpreserved | A             | NA                    |                     | 4.6                   | Y           | Absent      |                             | A2-TS(7),A2-1633-DRAFT(90) |
| L2441265-05A        | Plastic 8oz unpreserved | A             | NA                    |                     | 4.6                   | Y           | Absent      |                             | A2-TS(7),A2-1633-DRAFT(90) |
| L2441265-06A        | Plastic 8oz unpreserved | A             | NA                    |                     | 4.6                   | Y           | Absent      |                             | A2-TS(7),A2-1633-DRAFT(90) |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

Serial\_No:08022415:35  
**Lab Number:** L2441265  
**Report Date:** 08/02/24

### PFAS PARAMETER SUMMARY

| Parameter                                                               | Acronym      | CAS Number  |
|-------------------------------------------------------------------------|--------------|-------------|
| PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)                                 |              |             |
| Perfluorooctadecanoic Acid                                              | PFODA        | 16517-11-6  |
| Perfluorohexadecanoic Acid                                              | PFHxDA       | 67905-19-5  |
| Perfluorotetradecanoic Acid                                             | PFTA/PFTeDA  | 376-06-7    |
| Perfluorotridecanoic Acid                                               | PFTrDA       | 72629-94-8  |
| Perfluorododecanoic Acid                                                | PFDoA        | 307-55-1    |
| Perfluoroundecanoic Acid                                                | PFUnA        | 2058-94-8   |
| Perfluorodecanoic Acid                                                  | PFDA         | 335-76-2    |
| Perfluorononanoic Acid                                                  | PFNA         | 375-95-1    |
| Perfluorooctanoic Acid                                                  | PFOA         | 335-67-1    |
| Perfluoroheptanoic Acid                                                 | PFHpA        | 375-85-9    |
| Perfluorohexanoic Acid                                                  | PFHxA        | 307-24-4    |
| Perfluoropentanoic Acid                                                 | PFPeA        | 2706-90-3   |
| Perfluorobutanoic Acid                                                  | PFBA         | 375-22-4    |
| PERFLUOROALKYL SULFONIC ACIDS (PFSAs)                                   |              |             |
| Perfluorododecanesulfonic Acid                                          | PFDoDS/PFDoS | 79780-39-5  |
| Perfluorodecanesulfonic Acid                                            | PFDS         | 335-77-3    |
| Perfluorononanesulfonic Acid                                            | PFNS         | 68259-12-1  |
| Perfluorooctanesulfonic Acid                                            | PFOS         | 1763-23-1   |
| Perfluoroheptanesulfonic Acid                                           | PFHpS        | 375-92-8    |
| Perfluorohexanesulfonic Acid                                            | PFHxS        | 355-46-4    |
| Perfluoropentanesulfonic Acid                                           | PFPeS        | 2706-91-4   |
| Perfluorobutanesulfonic Acid                                            | PFBS         | 375-73-5    |
| Perfluoropropanesulfonic Acid                                           | PFPrS        | 423-41-6    |
| FLUOROTELOMERS                                                          |              |             |
| 1H,1H,2H,2H-Perfluorododecanesulfonic Acid                              | 10:2FTS      | 120226-60-0 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid                                | 8:2FTS       | 39108-34-4  |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid                                | 6:2FTS       | 27619-97-2  |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid                                | 4:2FTS       | 757124-72-4 |
| PERFLUOROALKANE SULFONAMIDES (FASAs)                                    |              |             |
| Perfluorooctanesulfonamide                                              | FOSA/PFOSA   | 754-91-6    |
| N-Ethyl Perfluorooctane Sulfonamide                                     | NEtFOSA      | 4151-50-2   |
| N-Methyl Perfluorooctane Sulfonamide                                    | NMeFOSA      | 31506-32-8  |
| PERFLUOROALKANE SULFONYL SUBSTANCES                                     |              |             |
| N-Ethyl Perfluorooctanesulfonamido Ethanol                              | NEtFOSE      | 1691-99-2   |
| N-Methyl Perfluorooctanesulfonamido Ethanol                             | NMeFOSE      | 24448-09-7  |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid                           | NEtFOSAA     | 2991-50-6   |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid                          | NMeFOSAA     | 2355-31-9   |
| PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS                         |              |             |
| 2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid | HFPO-DA      | 13252-13-6  |
| 4,8-Dioxa-3h-Perfluorononanoic Acid                                     | ADONA        | 919005-14-4 |
| CHLORO-PERFLUOROALKYL SULFONIC ACIDS                                    |              |             |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid                     | 11Cl-PF3OUdS | 763051-92-9 |
| 9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid                        | 9Cl-PF3ONS   | 756426-58-1 |
| PERFLUOROETHER SULFONIC ACIDS (PFESAs)                                  |              |             |
| Perfluoro(2-Ethoxyethane)Sulfonic Acid                                  | PFEESA       | 113507-82-7 |
| PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)                      |              |             |
| Perfluoro-3-Methoxypropanoic Acid                                       | PFMPA        | 377-73-1    |
| Perfluoro-4-Methoxybutanoic Acid                                        | PFMBA        | 863090-89-5 |
| Nonafluoro-3,6-Dioxaheptanoic Acid                                      | NFDHA        | 151772-58-6 |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

Serial\_No:08022415:35  
**Lab Number:** L2441265  
**Report Date:** 08/02/24

### PFAS PARAMETER SUMMARY

| Parameter                              | Acronym | CAS Number  |
|----------------------------------------|---------|-------------|
| FLUOROTELOMER CARBOXYLIC ACIDS (FTCAs) |         |             |
| 3-Perfluoroheptyl Propanoic Acid       | 7:3FTCA | 812-70-4    |
| 2H,2H,3H,3H-Perfluorooctanoic Acid     | 5:3FTCA | 914637-49-3 |
| 3-Perfluoropropyl Propanoic Acid       | 3:3FTCA | 356-02-5    |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441265  
**Report Date:** 08/02/24

## 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.)<br><br>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: Data Usability Report



**Project Name:** TRURO DPW  
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**Lab Number:** L2441265  
**Report Date:** 08/02/24

## 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, Dibenz(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. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

**Report Format:** Data Usability Report



**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441265  
**Report Date:** 08/02/24

#### **Data Qualifiers**

- ND** - Not detected at the reporting limit (RL) for the sample.
- 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:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2441265  
**Report Date:** 08/02/24

## REFERENCES

- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 144 Analysis of Per- and Polyfluoroalkyl Substances (PFAS) in Aqueous, Solid, Biosolids, and Tissue Samples by LC-MS/MS. Draft EPA Method 1633, EPA Document 821-D-22-001, June 2022.

## LIMITATION OF LIABILITIES

Alpha Analytical 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 Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical 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 Alpha Analytical.

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.





**Alpha Analytical, Inc.**Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 21

Published Date: 04/17/2024

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**Certification Information**

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

**Westborough Facility****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, NO<sub>2</sub>, NO<sub>3</sub>.**Mansfield Facility****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.

**Nonpotable Water:** **EPA RSK-175 Dissolved Gases****Biological Tissue Matrix:** EPA 3050B

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

**Westborough Facility:****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:****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**

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



## CHAIN OF CUSTODY

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8 Walkup Drive  
Westboro, MA 01581  
Tel: 508-898-9220

320 Forbes Blvd  
Mansfield, MA 02048  
Tel: 508-822-9300

## Client Information

Client: **HRP Associates**  
Address: **13 Court St**  
**Plymouth, MA**

Phone:

Email: **Bryan.Massa@HRPAssociates.com**

Additional Project Information:

## Project Information

Project Name: **Truro DPW**  
Project Location: **Truro, MA**  
Project #: **TRU2501.P2**  
Project Manager: **Bryan Massa**  
ALPHA Quote #:

## Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due:

Date Rec'd in Lab:

7/23/24

ALPHA Job #: **L2441265**

## Report Information - Data Deliverables

☒ ADEX ☒ EMAIL

## Billing Information

☒ Same as Client info PO #:

## Regulatory Requirements &amp; Project Information Requirements

☒ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods  
☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)  
☒ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)  
☐ Yes ☐ No NPDES RGP  
☐ Other State /Fed Program Criteria

| ANALYSIS                                                                                                |                                                                 | SAMPLE INFO                                                       |  | TOTAL # BOTTLES |
|---------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|-------------------------------------------------------------------|--|-----------------|
|                                                                                                         |                                                                 |                                                                   |  |                 |
| VOC: <input type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> 524.2          | SVOC: <input type="checkbox"/> ABN <input type="checkbox"/> PAH | Filtration                                                        |  | 1               |
| METALS: <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> MCP 15 |                                                                 | <input type="checkbox"/> Field <input type="checkbox"/> Lab to do |  |                 |
| METALS: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8                                   |                                                                 | Preservation                                                      |  | 1               |
| EPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only                     |                                                                 | <input type="checkbox"/> Lab to do                                |  |                 |
| VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only                     |                                                                 |                                                                   |  | 1               |
| <input type="checkbox"/> PCB <input type="checkbox"/> PEST                                              |                                                                 |                                                                   |  |                 |
| TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint                           |                                                                 |                                                                   |  | 1               |
| PFAS                                                                                                    |                                                                 |                                                                   |  |                 |
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## ANALYTICAL REPORT

|                 |                                                              |
|-----------------|--------------------------------------------------------------|
| Lab Number:     | L2442969                                                     |
| Client:         | HRP Associates, Inc<br>13 Court Street<br>Plymouth, MA 02360 |
| ATTN:           | Bryan Massa                                                  |
| Phone:          | (781) 210-9840                                               |
| Project Name:   | TRURO DPW                                                    |
| Project Number: | TRU2501.P2                                                   |
| Report Date:    | 08/09/24                                                     |

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

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Eight Walkup Drive, Westborough, MA 01581-1019  
508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2442969  
**Report Date:** 08/09/24

| <b>Alpha<br/>Sample ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Sample<br/>Location</b> | <b>Collection<br/>Date/Time</b> | <b>Receive Date</b> |
|----------------------------|------------------|---------------|----------------------------|---------------------------------|---------------------|
| L2442969-01                | SB-12 (108-110)  | SOIL          | TRURO, MA                  | 07/29/24 14:15                  | 07/31/24            |

Project Name: TRURO DPW

Lab Number: L2442969

Project Number: TRU2501.P2

Report Date: 08/09/24

**MADEP MCP Response Action Analytical Report Certification**

**This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.**

|                                                                                                              |                                                                                                                                                                                                                             |     |
|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| <b>An affirmative response to questions A through F is required for "Presumptive Certainty" status</b>       |                                                                                                                                                                                                                             |     |
| A                                                                                                            | Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times? | YES |
| B                                                                                                            | Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?                                                                                                        | YES |
| C                                                                                                            | Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?                                        | YES |
| D                                                                                                            | Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"                      | YES |
| E a.                                                                                                         | VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).                                                 | YES |
| E b.                                                                                                         | APH and TO-15 Methods only: Was the complete analyte list reported for each method?                                                                                                                                         | N/A |
| F                                                                                                            | Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?                                   | YES |
| <b>A response to questions G, H and I is required for "Presumptive Certainty" status</b>                     |                                                                                                                                                                                                                             |     |
| G                                                                                                            | Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?                                                                                                                   | NO  |
| H                                                                                                            | Were all QC performance standards specified in the CAM protocol(s) achieved?                                                                                                                                                | NO  |
| I                                                                                                            | Were results reported for the complete analyte list specified in the selected CAM protocol(s)?                                                                                                                              | NO  |
| <b>For any questions answered "No", please refer to the case narrative section on the following page(s).</b> |                                                                                                                                                                                                                             |     |

**Please note that sample matrix information is located in the Sample Results section of this report.**





**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2442969  
**Report Date:** 08/09/24

### 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 Alpha 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, Alpha'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 Alpha Project Manager and made arrangements for Alpha 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:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2442969  
**Report Date:** 08/09/24

### Case Narrative (continued)

#### MCP Related Narratives

##### Sample Receipt

In reference to question H:

A Matrix Spike was not submitted for the analysis of Total Metals.

#### Volatile Organics

L2442969-01: Initial calibration utilized a quadratic fit for: 1,1-dichloropropene, 1,4-dioxane, p/m xylene, p-isopropyltoluene

In reference to question H:

L2442969-01: Initial Calibration did not meet:

Lowest Calibration Standard Minimum Response Factor: bromochloromethane (0.0976), cis-1,3-dichloropropene (0.2900)

L2442969-01: The associated continuing calibration standard is outside the acceptance criteria for several compounds; however, it is within overall method allowances. Associated results are considered to be biased high if the %D is negative and biased low if the %D is positive. A copy of the continuing calibration standard is included as an addendum to this report.

#### VPH

In reference to question I:

All samples were analyzed for a subset of MCP analytes per client request.

#### EPH

In reference to question I:

All samples were analyzed for a subset of MCP analytes per client request.

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2442969  
**Report Date:** 08/09/24

**Case Narrative (continued)**

Total Metals

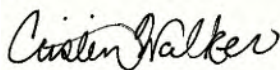
L2442969-01: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

In reference to question G:

L2442969-01: One or more of the target analytes did not achieve the requested CAM reporting limits.

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:



Cristin Walker

Title: Technical Director/Representative

Date: 08/09/24



## QC OUTLIER SUMMARY REPORT

**Project Name:** TRURO DPW**Lab Number:** L2442969**Project Number:** TRU2501.P2**Report Date:** 08/09/24

| Method                                                  | Client ID (Native ID) | Lab ID      | Parameter               | QC Type   | Recovery/RPD (%) | QC Limits (%) | Associated Samples | Data Quality Assessment |
|---------------------------------------------------------|-----------------------|-------------|-------------------------|-----------|------------------|---------------|--------------------|-------------------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |                       |             |                         |           |                  |               |                    |                         |
| 8260D                                                   | Batch QC              | WG1955408-4 | Tetrahydrofuran         | LCSD      | 29               | 20            | 01                 | non-directional bias    |
| Volatile Petroleum Hydrocarbons - Westborough Lab       |                       |             |                         |           |                  |               |                    |                         |
| VPH-18-2.1                                              | Batch QC              | WG1954611-2 | Methyl tert butyl ether | LCS       | 131              | 70-130        | 01                 | potential high bias     |
| VPH-18-2.1                                              | Laboratory Method BI  | WG1954611-4 | 2,5-Dibromotoluene-PID  | Surrogate | 143              | 70-130        | -                  | potential high bias     |
| VPH-18-2.1                                              | Laboratory Method BI  | WG1954611-4 | 2,5-Dibromotoluene-FID  | Surrogate | 133              | 70-130        | -                  | potential high bias     |

# ORGANICS

# VOLATILES

**Project Name:** TRURO DPW**Lab Number:** L2442969**Project Number:** TRU2501.P2**Report Date:** 08/09/24**SAMPLE RESULTS**

Lab ID: L2442969-01  
 Client ID: SB-12 (108-110)  
 Sample Location: TRURO, MA

Date Collected: 07/29/24 14:15  
 Date Received: 07/31/24  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 141,8260D

Analytical Date: 08/02/24 19:41

Analyst: JIC

Percent Solids: 98%

| Parameter                                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |     |                 |
| Methylene chloride                                      | ND     |           | ug/kg | 5.1  | --  | 1               |
| 1,1-Dichloroethane                                      | ND     |           | ug/kg | 1.0  | --  | 1               |
| Chloroform                                              | ND     |           | ug/kg | 1.5  | --  | 1               |
| Carbon tetrachloride                                    | ND     |           | ug/kg | 1.0  | --  | 1               |
| 1,2-Dichloropropane                                     | ND     |           | ug/kg | 1.0  | --  | 1               |
| Dibromochloromethane                                    | ND     |           | ug/kg | 1.0  | --  | 1               |
| 1,1,2-Trichloroethane                                   | ND     |           | ug/kg | 1.0  | --  | 1               |
| Tetrachloroethene                                       | ND     |           | ug/kg | 0.51 | --  | 1               |
| Chlorobenzene                                           | ND     |           | ug/kg | 0.51 | --  | 1               |
| Trichlorofluoromethane                                  | ND     |           | ug/kg | 4.1  | --  | 1               |
| 1,2-Dichloroethane                                      | ND     |           | ug/kg | 1.0  | --  | 1               |
| 1,1,1-Trichloroethane                                   | ND     |           | ug/kg | 0.51 | --  | 1               |
| Bromodichloromethane                                    | ND     |           | ug/kg | 0.51 | --  | 1               |
| trans-1,3-Dichloropropene                               | ND     |           | ug/kg | 1.0  | --  | 1               |
| cis-1,3-Dichloropropene                                 | ND     |           | ug/kg | 0.51 | --  | 1               |
| 1,3-Dichloropropene, Total                              | ND     |           | ug/kg | 0.51 | --  | 1               |
| 1,1-Dichloropropene                                     | ND     |           | ug/kg | 0.51 | --  | 1               |
| Bromoform                                               | ND     |           | ug/kg | 4.1  | --  | 1               |
| 1,1,2,2-Tetrachloroethane                               | ND     |           | ug/kg | 0.51 | --  | 1               |
| Benzene                                                 | ND     |           | ug/kg | 0.51 | --  | 1               |
| Toluene                                                 | ND     |           | ug/kg | 1.0  | --  | 1               |
| Ethylbenzene                                            | ND     |           | ug/kg | 1.0  | --  | 1               |
| Chloromethane                                           | ND     |           | ug/kg | 4.1  | --  | 1               |
| Bromomethane                                            | ND     |           | ug/kg | 2.0  | --  | 1               |
| Vinyl chloride                                          | ND     |           | ug/kg | 1.0  | --  | 1               |
| Chloroethane                                            | ND     |           | ug/kg | 2.0  | --  | 1               |
| 1,1-Dichloroethene                                      | ND     |           | ug/kg | 1.0  | --  | 1               |
| trans-1,2-Dichloroethene                                | ND     |           | ug/kg | 1.5  | --  | 1               |

Project Name: TRURO DPW

Lab Number: L2442969

Project Number: TRU2501.P2

Report Date: 08/09/24

## SAMPLE RESULTS

Lab ID: L2442969-01  
 Client ID: SB-12 (108-110)  
 Sample Location: TRURO, MA

Date Collected: 07/29/24 14:15  
 Date Received: 07/31/24  
 Field Prep: Not Specified

Sample Depth:

| Parameter                                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |      |     |                 |
| Trichloroethene                                         | ND     |           | ug/kg | 0.51 | --  | 1               |
| 1,2-Dichlorobenzene                                     | ND     |           | ug/kg | 2.0  | --  | 1               |
| 1,3-Dichlorobenzene                                     | ND     |           | ug/kg | 2.0  | --  | 1               |
| 1,4-Dichlorobenzene                                     | ND     |           | ug/kg | 2.0  | --  | 1               |
| Methyl tert butyl ether                                 | ND     |           | ug/kg | 2.0  | --  | 1               |
| p/m-Xylene                                              | ND     |           | ug/kg | 2.0  | --  | 1               |
| o-Xylene                                                | ND     |           | ug/kg | 1.0  | --  | 1               |
| Xylenes, Total                                          | ND     |           | ug/kg | 1.0  | --  | 1               |
| cis-1,2-Dichloroethene                                  | ND     |           | ug/kg | 1.0  | --  | 1               |
| 1,2-Dichloroethene, Total                               | ND     |           | ug/kg | 1.0  | --  | 1               |
| Dibromomethane                                          | ND     |           | ug/kg | 2.0  | --  | 1               |
| 1,2,3-Trichloropropane                                  | ND     |           | ug/kg | 2.0  | --  | 1               |
| Styrene                                                 | ND     |           | ug/kg | 1.0  | --  | 1               |
| Dichlorodifluoromethane                                 | ND     |           | ug/kg | 10   | --  | 1               |
| Acetone                                                 | ND     |           | ug/kg | 26   | --  | 1               |
| Carbon disulfide                                        | ND     |           | ug/kg | 10   | --  | 1               |
| Methyl ethyl ketone                                     | ND     |           | ug/kg | 10   | --  | 1               |
| Methyl isobutyl ketone                                  | ND     |           | ug/kg | 10   | --  | 1               |
| 2-Hexanone                                              | ND     |           | ug/kg | 10   | --  | 1               |
| Bromochloromethane                                      | ND     |           | ug/kg | 2.0  | --  | 1               |
| Tetrahydrofuran                                         | ND     |           | ug/kg | 4.1  | --  | 1               |
| 2,2-Dichloropropane                                     | ND     |           | ug/kg | 2.0  | --  | 1               |
| 1,2-Dibromoethane                                       | ND     |           | ug/kg | 1.0  | --  | 1               |
| 1,3-Dichloropropane                                     | ND     |           | ug/kg | 2.0  | --  | 1               |
| 1,1,1,2-Tetrachloroethane                               | ND     |           | ug/kg | 0.51 | --  | 1               |
| Bromobenzene                                            | ND     |           | ug/kg | 2.0  | --  | 1               |
| n-Butylbenzene                                          | ND     |           | ug/kg | 1.0  | --  | 1               |
| sec-Butylbenzene                                        | ND     |           | ug/kg | 1.0  | --  | 1               |
| tert-Butylbenzene                                       | ND     |           | ug/kg | 2.0  | --  | 1               |
| o-Chlorotoluene                                         | ND     |           | ug/kg | 2.0  | --  | 1               |
| p-Chlorotoluene                                         | ND     |           | ug/kg | 2.0  | --  | 1               |
| 1,2-Dibromo-3-chloropropane                             | ND     |           | ug/kg | 3.1  | --  | 1               |
| Hexachlorobutadiene                                     | ND     |           | ug/kg | 4.1  | --  | 1               |
| Isopropylbenzene                                        | ND     |           | ug/kg | 1.0  | --  | 1               |
| p-Isopropyltoluene                                      | ND     |           | ug/kg | 1.0  | --  | 1               |
| Naphthalene                                             | ND     |           | ug/kg | 4.1  | --  | 1               |
| n-Propylbenzene                                         | ND     |           | ug/kg | 1.0  | --  | 1               |

Project Name: TRURO DPW

Lab Number: L2442969

Project Number: TRU2501.P2

Report Date: 08/09/24

## SAMPLE RESULTS

Lab ID: L2442969-01  
 Client ID: SB-12 (108-110)  
 Sample Location: TRURO, MA

Date Collected: 07/29/24 14:15  
 Date Received: 07/31/24  
 Field Prep: Not Specified

Sample Depth:

| Parameter                                               | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab |        |           |       |     |     |                 |
| 1,2,3-Trichlorobenzene                                  | ND     |           | ug/kg | 2.0 | --  | 1               |
| 1,2,4-Trichlorobenzene                                  | ND     |           | ug/kg | 2.0 | --  | 1               |
| 1,3,5-Trimethylbenzene                                  | ND     |           | ug/kg | 2.0 | --  | 1               |
| 1,2,4-Trimethylbenzene                                  | ND     |           | ug/kg | 2.0 | --  | 1               |
| Diethyl ether                                           | ND     |           | ug/kg | 2.0 | --  | 1               |
| Diisopropyl Ether                                       | ND     |           | ug/kg | 2.0 | --  | 1               |
| Ethyl-Tert-Butyl-Ether                                  | ND     |           | ug/kg | 2.0 | --  | 1               |
| Tertiary-Amyl Methyl Ether                              | ND     |           | ug/kg | 2.0 | --  | 1               |
| 1,4-Dioxane                                             | ND     |           | ug/kg | 82  | --  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 100        |           | 70-130              |
| Toluene-d8            | 91         |           | 70-130              |
| 4-Bromofluorobenzene  | 101        |           | 70-130              |
| Dibromofluoromethane  | 98         |           | 70-130              |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2442969  
**Report Date:** 08/09/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 141,8260D  
 Analytical Date: 08/02/24 19:20  
 Analyst: TMH

| Parameter                                                                                    | Result | Qualifier | Units | RL   | MDL |
|----------------------------------------------------------------------------------------------|--------|-----------|-------|------|-----|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1955408-5 |        |           |       |      |     |
| Methylene chloride                                                                           | ND     |           | ug/kg | 5.0  | --  |
| 1,1-Dichloroethane                                                                           | ND     |           | ug/kg | 1.0  | --  |
| Chloroform                                                                                   | ND     |           | ug/kg | 1.5  | --  |
| Carbon tetrachloride                                                                         | ND     |           | ug/kg | 1.0  | --  |
| 1,2-Dichloropropane                                                                          | ND     |           | ug/kg | 1.0  | --  |
| Dibromochloromethane                                                                         | ND     |           | ug/kg | 1.0  | --  |
| 1,1,2-Trichloroethane                                                                        | ND     |           | ug/kg | 1.0  | --  |
| Tetrachloroethene                                                                            | ND     |           | ug/kg | 0.50 | --  |
| Chlorobenzene                                                                                | ND     |           | ug/kg | 0.50 | --  |
| Trichlorofluoromethane                                                                       | ND     |           | ug/kg | 4.0  | --  |
| 1,2-Dichloroethane                                                                           | ND     |           | ug/kg | 1.0  | --  |
| 1,1,1-Trichloroethane                                                                        | ND     |           | ug/kg | 0.50 | --  |
| Bromodichloromethane                                                                         | ND     |           | ug/kg | 0.50 | --  |
| trans-1,3-Dichloropropene                                                                    | ND     |           | ug/kg | 1.0  | --  |
| cis-1,3-Dichloropropene                                                                      | ND     |           | ug/kg | 0.50 | --  |
| 1,3-Dichloropropene, Total                                                                   | ND     |           | ug/kg | 0.50 | --  |
| 1,1-Dichloropropene                                                                          | ND     |           | ug/kg | 0.50 | --  |
| Bromoform                                                                                    | ND     |           | ug/kg | 4.0  | --  |
| 1,1,2,2-Tetrachloroethane                                                                    | ND     |           | ug/kg | 0.50 | --  |
| Benzene                                                                                      | ND     |           | ug/kg | 0.50 | --  |
| Toluene                                                                                      | ND     |           | ug/kg | 1.0  | --  |
| Ethylbenzene                                                                                 | ND     |           | ug/kg | 1.0  | --  |
| Chloromethane                                                                                | ND     |           | ug/kg | 4.0  | --  |
| Bromomethane                                                                                 | ND     |           | ug/kg | 2.0  | --  |
| Vinyl chloride                                                                               | ND     |           | ug/kg | 1.0  | --  |
| Chloroethane                                                                                 | ND     |           | ug/kg | 2.0  | --  |
| 1,1-Dichloroethene                                                                           | ND     |           | ug/kg | 1.0  | --  |
| trans-1,2-Dichloroethene                                                                     | ND     |           | ug/kg | 1.5  | --  |
| Trichloroethene                                                                              | ND     |           | ug/kg | 0.50 | --  |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2442969  
**Report Date:** 08/09/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 141,8260D  
Analytical Date: 08/02/24 19:20  
Analyst: TMH

| Parameter                                                                                    | Result | Qualifier | Units | RL   | MDL |
|----------------------------------------------------------------------------------------------|--------|-----------|-------|------|-----|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1955408-5 |        |           |       |      |     |
| 1,2-Dichlorobenzene                                                                          | ND     |           | ug/kg | 2.0  | --  |
| 1,3-Dichlorobenzene                                                                          | ND     |           | ug/kg | 2.0  | --  |
| 1,4-Dichlorobenzene                                                                          | ND     |           | ug/kg | 2.0  | --  |
| Methyl tert butyl ether                                                                      | ND     |           | ug/kg | 2.0  | --  |
| p/m-Xylene                                                                                   | ND     |           | ug/kg | 2.0  | --  |
| o-Xylene                                                                                     | ND     |           | ug/kg | 1.0  | --  |
| Xylenes, Total                                                                               | ND     |           | ug/kg | 1.0  | --  |
| cis-1,2-Dichloroethene                                                                       | ND     |           | ug/kg | 1.0  | --  |
| 1,2-Dichloroethene, Total                                                                    | ND     |           | ug/kg | 1.0  | --  |
| Dibromomethane                                                                               | ND     |           | ug/kg | 2.0  | --  |
| 1,2,3-Trichloropropane                                                                       | ND     |           | ug/kg | 2.0  | --  |
| Styrene                                                                                      | ND     |           | ug/kg | 1.0  | --  |
| Dichlorodifluoromethane                                                                      | ND     |           | ug/kg | 10   | --  |
| Acetone                                                                                      | ND     |           | ug/kg | 25   | --  |
| Carbon disulfide                                                                             | ND     |           | ug/kg | 10   | --  |
| Methyl ethyl ketone                                                                          | ND     |           | ug/kg | 10   | --  |
| Methyl isobutyl ketone                                                                       | ND     |           | ug/kg | 10   | --  |
| 2-Hexanone                                                                                   | ND     |           | ug/kg | 10   | --  |
| Bromochloromethane                                                                           | ND     |           | ug/kg | 2.0  | --  |
| Tetrahydrofuran                                                                              | ND     |           | ug/kg | 4.0  | --  |
| 2,2-Dichloropropane                                                                          | ND     |           | ug/kg | 2.0  | --  |
| 1,2-Dibromoethane                                                                            | ND     |           | ug/kg | 1.0  | --  |
| 1,3-Dichloropropane                                                                          | ND     |           | ug/kg | 2.0  | --  |
| 1,1,1,2-Tetrachloroethane                                                                    | ND     |           | ug/kg | 0.50 | --  |
| Bromobenzene                                                                                 | ND     |           | ug/kg | 2.0  | --  |
| n-Butylbenzene                                                                               | ND     |           | ug/kg | 1.0  | --  |
| sec-Butylbenzene                                                                             | ND     |           | ug/kg | 1.0  | --  |
| tert-Butylbenzene                                                                            | ND     |           | ug/kg | 2.0  | --  |
| o-Chlorotoluene                                                                              | ND     |           | ug/kg | 2.0  | --  |



**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2442969  
**Report Date:** 08/09/24

### Method Blank Analysis Batch Quality Control

**Analytical Method:** 141,8260D  
**Analytical Date:** 08/02/24 19:20  
**Analyst:** TMH

| Parameter                                                                                    | Result | Qualifier | Units | RL  | MDL |
|----------------------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1955408-5 |        |           |       |     |     |
| p-Chlorotoluene                                                                              | ND     |           | ug/kg | 2.0 | --  |
| 1,2-Dibromo-3-chloropropane                                                                  | ND     |           | ug/kg | 3.0 | --  |
| Hexachlorobutadiene                                                                          | ND     |           | ug/kg | 4.0 | --  |
| Isopropylbenzene                                                                             | ND     |           | ug/kg | 1.0 | --  |
| p-Isopropyltoluene                                                                           | ND     |           | ug/kg | 1.0 | --  |
| Naphthalene                                                                                  | ND     |           | ug/kg | 4.0 | --  |
| n-Propylbenzene                                                                              | ND     |           | ug/kg | 1.0 | --  |
| 1,2,3-Trichlorobenzene                                                                       | ND     |           | ug/kg | 2.0 | --  |
| 1,2,4-Trichlorobenzene                                                                       | ND     |           | ug/kg | 2.0 | --  |
| 1,3,5-Trimethylbenzene                                                                       | ND     |           | ug/kg | 2.0 | --  |
| 1,2,4-Trimethylbenzene                                                                       | ND     |           | ug/kg | 2.0 | --  |
| Diethyl ether                                                                                | ND     |           | ug/kg | 2.0 | --  |
| Diisopropyl Ether                                                                            | ND     |           | ug/kg | 2.0 | --  |
| Ethyl-Tert-Butyl-Ether                                                                       | ND     |           | ug/kg | 2.0 | --  |
| Tertiary-Amyl Methyl Ether                                                                   | ND     |           | ug/kg | 2.0 | --  |
| 1,4-Dioxane                                                                                  | ND     |           | ug/kg | 80  | --  |

| Surrogate             | %Recovery | Qualifier | Acceptance<br>Criteria |
|-----------------------|-----------|-----------|------------------------|
| 1,2-Dichloroethane-d4 | 95        |           | 70-130                 |
| Toluene-d8            | 98        |           | 70-130                 |
| 4-Bromofluorobenzene  | 100       |           | 70-130                 |
| Dibromofluoromethane  | 96        |           | 70-130                 |



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU2501.P2

Lab Number: L2442969

Report Date: 08/09/24

| Parameter                                                                                                       | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1955408-3 WG1955408-4 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride                                                                                              | 102              |      | 104               |      | 70-130              | 2   |      | 20            |
| 1,1-Dichloroethane                                                                                              | 98               |      | 92                |      | 70-130              | 6   |      | 20            |
| Chloroform                                                                                                      | 88               |      | 87                |      | 70-130              | 1   |      | 20            |
| Carbon tetrachloride                                                                                            | 95               |      | 95                |      | 70-130              | 0   |      | 20            |
| 1,2-Dichloropropane                                                                                             | 91               |      | 91                |      | 70-130              | 0   |      | 20            |
| Dibromochloromethane                                                                                            | 91               |      | 90                |      | 70-130              | 1   |      | 20            |
| 1,1,2-Trichloroethane                                                                                           | 86               |      | 88                |      | 70-130              | 2   |      | 20            |
| Tetrachloroethene                                                                                               | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| Chlorobenzene                                                                                                   | 97               |      | 97                |      | 70-130              | 0   |      | 20            |
| Trichlorofluoromethane                                                                                          | 88               |      | 94                |      | 70-130              | 7   |      | 20            |
| 1,2-Dichloroethane                                                                                              | 87               |      | 88                |      | 70-130              | 1   |      | 20            |
| 1,1,1-Trichloroethane                                                                                           | 97               |      | 95                |      | 70-130              | 2   |      | 20            |
| Bromodichloromethane                                                                                            | 86               |      | 86                |      | 70-130              | 0   |      | 20            |
| trans-1,3-Dichloropropene                                                                                       | 93               |      | 92                |      | 70-130              | 1   |      | 20            |
| cis-1,3-Dichloropropene                                                                                         | 102              |      | 101               |      | 70-130              | 1   |      | 20            |
| 1,1-Dichloropropene                                                                                             | 103              |      | 104               |      | 70-130              | 1   |      | 20            |
| Bromoform                                                                                                       | 89               |      | 91                |      | 70-130              | 2   |      | 20            |
| 1,1,2,2-Tetrachloroethane                                                                                       | 76               |      | 79                |      | 70-130              | 4   |      | 20            |
| Benzene                                                                                                         | 99               |      | 99                |      | 70-130              | 0   |      | 20            |
| Toluene                                                                                                         | 97               |      | 97                |      | 70-130              | 0   |      | 20            |
| Ethylbenzene                                                                                                    | 103              |      | 104               |      | 70-130              | 1   |      | 20            |
| Chloromethane                                                                                                   | 87               |      | 85                |      | 70-130              | 2   |      | 20            |
| Bromomethane                                                                                                    | 98               |      | 94                |      | 70-130              | 4   |      | 20            |

# **Lab Control Sample Analysis** **Batch Quality Control**

Project Name: TRURO DPW

Project Number: TRU2501.P2

Lab Number: L2442969

Report Date: 08/09/24

| Parameter                                                                                                       | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1955408-3 WG1955408-4 |                  |      |                   |      |                     |     |      |               |
| Vinyl chloride                                                                                                  | 98               |      | 96                |      | 70-130              | 2   |      | 20            |
| Chloroethane                                                                                                    | 102              |      | 103               |      | 70-130              | 1   |      | 20            |
| 1,1-Dichloroethene                                                                                              | 103              |      | 102               |      | 70-130              | 1   |      | 20            |
| trans-1,2-Dichloroethene                                                                                        | 100              |      | 101               |      | 70-130              | 1   |      | 20            |
| Trichloroethene                                                                                                 | 109              |      | 104               |      | 70-130              | 5   |      | 20            |
| 1,2-Dichlorobenzene                                                                                             | 93               |      | 91                |      | 70-130              | 2   |      | 20            |
| 1,3-Dichlorobenzene                                                                                             | 94               |      | 91                |      | 70-130              | 3   |      | 20            |
| 1,4-Dichlorobenzene                                                                                             | 93               |      | 91                |      | 70-130              | 2   |      | 20            |
| Methyl tert butyl ether                                                                                         | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| p/m-Xylene                                                                                                      | 102              |      | 101               |      | 70-130              | 1   |      | 20            |
| o-Xylene                                                                                                        | 95               |      | 96                |      | 70-130              | 1   |      | 20            |
| cis-1,2-Dichloroethene                                                                                          | 98               |      | 100               |      | 70-130              | 2   |      | 20            |
| Dibromomethane                                                                                                  | 90               |      | 90                |      | 70-130              | 0   |      | 20            |
| 1,2,3-Trichloropropane                                                                                          | 86               |      | 85                |      | 70-130              | 1   |      | 20            |
| Styrene                                                                                                         | 98               |      | 98                |      | 70-130              | 0   |      | 20            |
| Dichlorodifluoromethane                                                                                         | 90               |      | 88                |      | 70-130              | 2   |      | 20            |
| Acetone                                                                                                         | 96               |      | 99                |      | 70-130              | 3   |      | 20            |
| Carbon disulfide                                                                                                | 98               |      | 97                |      | 70-130              | 1   |      | 20            |
| Methyl ethyl ketone                                                                                             | 76               |      | 80                |      | 70-130              | 5   |      | 20            |
| Methyl isobutyl ketone                                                                                          | 94               |      | 98                |      | 70-130              | 4   |      | 20            |
| 2-Hexanone                                                                                                      | 82               |      | 85                |      | 70-130              | 4   |      | 20            |
| Bromochloromethane                                                                                              | 96               |      | 96                |      | 70-130              | 0   |      | 20            |
| Tetrahydrofuran                                                                                                 | 83               |      | 111               |      | 70-130              | 29  | Q    | 20            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU2501.P2

Lab Number: L2442969

Report Date: 08/09/24

| Parameter                                                                                                       | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1955408-3 WG1955408-4 |                  |      |                   |      |                     |     |      |               |
| 2,2-Dichloropropane                                                                                             | 86               |      | 86                |      | 70-130              | 0   |      | 20            |
| 1,2-Dibromoethane                                                                                               | 94               |      | 96                |      | 70-130              | 2   |      | 20            |
| 1,3-Dichloropropane                                                                                             | 92               |      | 92                |      | 70-130              | 0   |      | 20            |
| 1,1,1,2-Tetrachloroethane                                                                                       | 93               |      | 94                |      | 70-130              | 1   |      | 20            |
| Bromobenzene                                                                                                    | 96               |      | 95                |      | 70-130              | 1   |      | 20            |
| n-Butylbenzene                                                                                                  | 93               |      | 89                |      | 70-130              | 4   |      | 20            |
| sec-Butylbenzene                                                                                                | 94               |      | 91                |      | 70-130              | 3   |      | 20            |
| tert-Butylbenzene                                                                                               | 91               |      | 90                |      | 70-130              | 1   |      | 20            |
| o-Chlorotoluene                                                                                                 | 116              |      | 113               |      | 70-130              | 3   |      | 20            |
| p-Chlorotoluene                                                                                                 | 101              |      | 96                |      | 70-130              | 5   |      | 20            |
| 1,2-Dibromo-3-chloropropane                                                                                     | 91               |      | 98                |      | 70-130              | 7   |      | 20            |
| Hexachlorobutadiene                                                                                             | 93               |      | 89                |      | 70-130              | 4   |      | 20            |
| Isopropylbenzene                                                                                                | 93               |      | 91                |      | 70-130              | 2   |      | 20            |
| p-Isopropyltoluene                                                                                              | 98               |      | 95                |      | 70-130              | 3   |      | 20            |
| Naphthalene                                                                                                     | 98               |      | 97                |      | 70-130              | 1   |      | 20            |
| n-Propylbenzene                                                                                                 | 94               |      | 90                |      | 70-130              | 4   |      | 20            |
| 1,2,3-Trichlorobenzene                                                                                          | 98               |      | 93                |      | 70-130              | 5   |      | 20            |
| 1,2,4-Trichlorobenzene                                                                                          | 94               |      | 89                |      | 70-130              | 5   |      | 20            |
| 1,3,5-Trimethylbenzene                                                                                          | 102              |      | 101               |      | 70-130              | 1   |      | 20            |
| 1,2,4-Trimethylbenzene                                                                                          | 102              |      | 100               |      | 70-130              | 2   |      | 20            |
| Diethyl ether                                                                                                   | 96               |      | 98                |      | 70-130              | 2   |      | 20            |
| Diisopropyl Ether                                                                                               | 94               |      | 94                |      | 70-130              | 0   |      | 20            |
| Ethyl-Tert-Butyl-Ether                                                                                          | 96               |      | 99                |      | 70-130              | 3   |      | 20            |

# **Lab Control Sample Analysis** Batch Quality Control

Project Name: TRURO DPW

Lab Number: L2442969

Project Number: TRU2501.P2

Report Date: 08/09/24

| Parameter                                                                                                       | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1955408-3 WG1955408-4 |                  |      |                   |      |                     |     |      |               |
| Tertiary-Amyl Methyl Ether                                                                                      | 101              |      | 103               |      | 70-130              | 2   |      | 20            |
| 1,4-Dioxane                                                                                                     | 80               |      | 83                |      | 70-130              | 4   |      | 20            |

| Surrogate             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|-----------------------|------------------|------|-------------------|------|------------------------|
| 1,2-Dichloroethane-d4 | 89               |      | 87                |      | 70-130                 |
| Toluene-d8            | 102              |      | 100               |      | 70-130                 |
| 4-Bromofluorobenzene  | 104              |      | 102               |      | 70-130                 |
| Dibromofluoromethane  | 95               |      | 92                |      | 70-130                 |

# SEMIVOLATILES

**Project Name:** TRURO DPW**Lab Number:** L2442969**Project Number:** TRU2501.P2**Report Date:** 08/09/24**SAMPLE RESULTS**

Lab ID: L2442969-01  
 Client ID: SB-12 (108-110)  
 Sample Location: TRURO, MA

Date Collected: 07/29/24 14:15  
 Date Received: 07/31/24  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 141,8270E  
 Analytical Date: 08/08/24 04:45  
 Analyst: SZ  
 Percent Solids: 98%

Extraction Method: EPA 3546  
 Extraction Date: 08/07/24 00:08

| Parameter                                   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Semivolatile Organics - Westborough Lab |        |           |       |     |     |                 |
| Acenaphthene                                | ND     |           | ug/kg | 140 | --  | 1               |
| 1,2,4-Trichlorobenzene                      | ND     |           | ug/kg | 170 | --  | 1               |
| Hexachlorobenzene                           | ND     |           | ug/kg | 71  | --  | 1               |
| Bis(2-chloroethyl)ether                     | ND     |           | ug/kg | 71  | --  | 1               |
| 2-Chloronaphthalene                         | ND     |           | ug/kg | 170 | --  | 1               |
| 1,2-Dichlorobenzene                         | ND     |           | ug/kg | 170 | --  | 1               |
| 1,3-Dichlorobenzene                         | ND     |           | ug/kg | 170 | --  | 1               |
| 1,4-Dichlorobenzene                         | ND     |           | ug/kg | 71  | --  | 1               |
| 3,3'-Dichlorobenzidine                      | ND     |           | ug/kg | 170 | --  | 1               |
| 2,4-Dinitrotoluene                          | ND     |           | ug/kg | 71  | --  | 1               |
| 2,6-Dinitrotoluene                          | ND     |           | ug/kg | 170 | --  | 1               |
| Azobenzene                                  | ND     |           | ug/kg | 170 | --  | 1               |
| Fluoranthene                                | ND     |           | ug/kg | 100 | --  | 1               |
| 4-Bromophenyl phenyl ether                  | ND     |           | ug/kg | 170 | --  | 1               |
| Bis(2-chloroisopropyl)ether                 | ND     |           | ug/kg | 71  | --  | 1               |
| Bis(2-chloroethoxy)methane                  | ND     |           | ug/kg | 180 | --  | 1               |
| Hexachlorobutadiene                         | ND     |           | ug/kg | 170 | --  | 1               |
| Hexachloroethane                            | ND     |           | ug/kg | 71  | --  | 1               |
| Isophorone                                  | ND     |           | ug/kg | 150 | --  | 1               |
| Naphthalene                                 | ND     |           | ug/kg | 170 | --  | 1               |
| Nitrobenzene                                | ND     |           | ug/kg | 150 | --  | 1               |
| Bis(2-ethylhexyl)phthalate                  | ND     |           | ug/kg | 170 | --  | 1               |
| Butyl benzyl phthalate                      | ND     |           | ug/kg | 170 | --  | 1               |
| Di-n-butylphthalate                         | ND     |           | ug/kg | 170 | --  | 1               |
| Di-n-octylphthalate                         | ND     |           | ug/kg | 170 | --  | 1               |
| Diethyl phthalate                           | ND     |           | ug/kg | 170 | --  | 1               |
| Dimethyl phthalate                          | ND     |           | ug/kg | 71  | --  | 1               |
| Benzo(a)anthracene                          | ND     |           | ug/kg | 100 | --  | 1               |

Project Name: TRURO DPW

Lab Number: L2442969

Project Number: TRU2501.P2

Report Date: 08/09/24

## SAMPLE RESULTS

Lab ID: L2442969-01  
 Client ID: SB-12 (108-110)  
 Sample Location: TRURO, MA

Date Collected: 07/29/24 14:15  
 Date Received: 07/31/24  
 Field Prep: Not Specified

Sample Depth:

| Parameter                                   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Semivolatile Organics - Westborough Lab |        |           |       |     |     |                 |
| Benzo(a)pyrene                              | ND     |           | ug/kg | 140 | --  | 1               |
| Benzo(b)fluoranthene                        | ND     |           | ug/kg | 100 | --  | 1               |
| Benzo(k)fluoranthene                        | ND     |           | ug/kg | 100 | --  | 1               |
| Chrysene                                    | ND     |           | ug/kg | 100 | --  | 1               |
| Acenaphthylene                              | ND     |           | ug/kg | 140 | --  | 1               |
| Anthracene                                  | ND     |           | ug/kg | 100 | --  | 1               |
| Benzo(ghi)perylene                          | ND     |           | ug/kg | 140 | --  | 1               |
| Fluorene                                    | ND     |           | ug/kg | 170 | --  | 1               |
| Phenanthrene                                | ND     |           | ug/kg | 100 | --  | 1               |
| Dibenzo(a,h)anthracene                      | ND     |           | ug/kg | 71  | --  | 1               |
| Indeno(1,2,3-cd)pyrene                      | ND     |           | ug/kg | 140 | --  | 1               |
| Pyrene                                      | ND     |           | ug/kg | 100 | --  | 1               |
| Aniline                                     | ND     |           | ug/kg | 200 | --  | 1               |
| 4-Chloroaniline                             | ND     |           | ug/kg | 170 | --  | 1               |
| Dibenzofuran                                | ND     |           | ug/kg | 170 | --  | 1               |
| 2-Methylnaphthalene                         | ND     |           | ug/kg | 71  | --  | 1               |
| Acetophenone                                | ND     |           | ug/kg | 170 | --  | 1               |
| 2,4,6-Trichlorophenol                       | ND     |           | ug/kg | 71  | --  | 1               |
| 2-Chlorophenol                              | ND     |           | ug/kg | 71  | --  | 1               |
| 2,4-Dichlorophenol                          | ND     |           | ug/kg | 71  | --  | 1               |
| 2,4-Dimethylphenol                          | ND     |           | ug/kg | 71  | --  | 1               |
| 2-Nitrophenol                               | ND     |           | ug/kg | 360 | --  | 1               |
| 4-Nitrophenol                               | ND     |           | ug/kg | 240 | --  | 1               |
| 2,4-Dinitrophenol                           | ND     |           | ug/kg | 810 | --  | 1               |
| Pentachlorophenol                           | ND     |           | ug/kg | 340 | --  | 1               |
| Phenol                                      | ND     |           | ug/kg | 170 | --  | 1               |
| 2-Methylphenol                              | ND     |           | ug/kg | 170 | --  | 1               |
| 3-Methylphenol/4-Methylphenol               | ND     |           | ug/kg | 240 | --  | 1               |
| 2,4,5-Trichlorophenol                       | ND     |           | ug/kg | 170 | --  | 1               |
| Biphenyl                                    | ND     |           | ug/kg | 34  | --  | 1               |



**Project Name:** TRURO DPW**Lab Number:** L2442969**Project Number:** TRU2501.P2**Report Date:** 08/09/24**SAMPLE RESULTS**

Lab ID: L2442969-01  
 Client ID: SB-12 (108-110)  
 Sample Location: TRURO, MA

Date Collected: 07/29/24 14:15  
 Date Received: 07/31/24  
 Field Prep: Not Specified

Sample Depth:

| Parameter                                   | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|---------------------------------------------|--------|-----------|-------|----|-----|-----------------|
| MCP Semivolatile Organics - Westborough Lab |        |           |       |    |     |                 |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 83         |           | 30-130              |
| Phenol-d6            | 83         |           | 30-130              |
| Nitrobenzene-d5      | 76         |           | 30-130              |
| 2-Fluorobiphenyl     | 78         |           | 30-130              |
| 2,4,6-Tribromophenol | 88         |           | 30-130              |
| 4-Terphenyl-d14      | 84         |           | 30-130              |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2442969  
**Report Date:** 08/09/24

### Method Blank Analysis Batch Quality Control

**Analytical Method:** 141,8270E  
**Analytical Date:** 08/08/24 00:54  
**Analyst:** SZ

**Extraction Method:** EPA 3546  
**Extraction Date:** 08/07/24 00:08

| Parameter                                                                        | Result | Qualifier | Units | RL  | MDL |
|----------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| MCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG1956156-1 |        |           |       |     |     |
| Acenaphthene                                                                     | ND     |           | ug/kg | 130 | --  |
| 1,2,4-Trichlorobenzene                                                           | ND     |           | ug/kg | 160 | --  |
| Hexachlorobenzene                                                                | ND     |           | ug/kg | 69  | --  |
| Bis(2-chloroethyl)ether                                                          | ND     |           | ug/kg | 69  | --  |
| 2-Chloronaphthalene                                                              | ND     |           | ug/kg | 160 | --  |
| 1,2-Dichlorobenzene                                                              | ND     |           | ug/kg | 160 | --  |
| 1,3-Dichlorobenzene                                                              | ND     |           | ug/kg | 160 | --  |
| 1,4-Dichlorobenzene                                                              | ND     |           | ug/kg | 69  | --  |
| 3,3'-Dichlorobenzidine                                                           | ND     |           | ug/kg | 160 | --  |
| 2,4-Dinitrotoluene                                                               | ND     |           | ug/kg | 69  | --  |
| 2,6-Dinitrotoluene                                                               | ND     |           | ug/kg | 160 | --  |
| Azobenzene                                                                       | ND     |           | ug/kg | 160 | --  |
| Fluoranthene                                                                     | ND     |           | ug/kg | 98  | --  |
| 4-Bromophenyl phenyl ether                                                       | ND     |           | ug/kg | 160 | --  |
| Bis(2-chloroisopropyl)ether                                                      | ND     |           | ug/kg | 69  | --  |
| Bis(2-chloroethoxy)methane                                                       | ND     |           | ug/kg | 180 | --  |
| Hexachlorobutadiene                                                              | ND     |           | ug/kg | 160 | --  |
| Hexachloroethane                                                                 | ND     |           | ug/kg | 69  | --  |
| Isophorone                                                                       | ND     |           | ug/kg | 150 | --  |
| Naphthalene                                                                      | ND     |           | ug/kg | 160 | --  |
| Nitrobenzene                                                                     | ND     |           | ug/kg | 150 | --  |
| Bis(2-ethylhexyl)phthalate                                                       | ND     |           | ug/kg | 160 | --  |
| Butyl benzyl phthalate                                                           | ND     |           | ug/kg | 160 | --  |
| Di-n-butylphthalate                                                              | ND     |           | ug/kg | 160 | --  |
| Di-n-octylphthalate                                                              | ND     |           | ug/kg | 160 | --  |
| Diethyl phthalate                                                                | ND     |           | ug/kg | 160 | --  |
| Dimethyl phthalate                                                               | ND     |           | ug/kg | 69  | --  |
| Benzo(a)anthracene                                                               | ND     |           | ug/kg | 98  | --  |
| Benzo(a)pyrene                                                                   | ND     |           | ug/kg | 130 | --  |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2442969  
**Report Date:** 08/09/24

### Method Blank Analysis Batch Quality Control

**Analytical Method:** 141,8270E  
**Analytical Date:** 08/08/24 00:54  
**Analyst:** SZ

**Extraction Method:** EPA 3546  
**Extraction Date:** 08/07/24 00:08

| Parameter                                                                        | Result | Qualifier | Units | RL  | MDL |
|----------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| MCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG1956156-1 |        |           |       |     |     |
| Benzo(b)fluoranthene                                                             | ND     |           | ug/kg | 98  | --  |
| Benzo(k)fluoranthene                                                             | ND     |           | ug/kg | 98  | --  |
| Chrysene                                                                         | ND     |           | ug/kg | 98  | --  |
| Acenaphthylene                                                                   | ND     |           | ug/kg | 130 | --  |
| Anthracene                                                                       | ND     |           | ug/kg | 98  | --  |
| Benzo(ghi)perylene                                                               | ND     |           | ug/kg | 130 | --  |
| Fluorene                                                                         | ND     |           | ug/kg | 160 | --  |
| Phenanthrene                                                                     | ND     |           | ug/kg | 98  | --  |
| Dibenzo(a,h)anthracene                                                           | ND     |           | ug/kg | 69  | --  |
| Indeno(1,2,3-cd)pyrene                                                           | ND     |           | ug/kg | 130 | --  |
| Pyrene                                                                           | ND     |           | ug/kg | 98  | --  |
| Aniline                                                                          | ND     |           | ug/kg | 200 | --  |
| 4-Chloroaniline                                                                  | ND     |           | ug/kg | 160 | --  |
| Dibenzofuran                                                                     | ND     |           | ug/kg | 160 | --  |
| 2-Methylnaphthalene                                                              | ND     |           | ug/kg | 69  | --  |
| Acetophenone                                                                     | ND     |           | ug/kg | 160 | --  |
| 2,4,6-Trichlorophenol                                                            | ND     |           | ug/kg | 69  | --  |
| 2-Chlorophenol                                                                   | ND     |           | ug/kg | 69  | --  |
| 2,4-Dichlorophenol                                                               | ND     |           | ug/kg | 69  | --  |
| 2,4-Dimethylphenol                                                               | ND     |           | ug/kg | 69  | --  |
| 2-Nitrophenol                                                                    | ND     |           | ug/kg | 350 | --  |
| 4-Nitrophenol                                                                    | ND     |           | ug/kg | 230 | --  |
| 2,4-Dinitrophenol                                                                | ND     |           | ug/kg | 780 | --  |
| Pentachlorophenol                                                                | ND     |           | ug/kg | 330 | --  |
| Phenol                                                                           | ND     |           | ug/kg | 160 | --  |
| 2-Methylphenol                                                                   | ND     |           | ug/kg | 160 | --  |
| 3-Methylphenol/4-Methylphenol                                                    | ND     |           | ug/kg | 240 | --  |
| 2,4,5-Trichlorophenol                                                            | ND     |           | ug/kg | 160 | --  |
| Biphenyl                                                                         | ND     |           | ug/kg | 33  | --  |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2442969  
**Report Date:** 08/09/24

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 141,8270E  
Analytical Date: 08/08/24 00:54  
Analyst: SZ

Extraction Method: EPA 3546  
Extraction Date: 08/07/24 00:08

| Parameter                                                                        | Result | Qualifier | Units | RL | MDL |
|----------------------------------------------------------------------------------|--------|-----------|-------|----|-----|
| MCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG1956156-1 |        |           |       |    |     |

| Surrogate            | %Recovery | Qualifier | Acceptance<br>Criteria |
|----------------------|-----------|-----------|------------------------|
| 2-Fluorophenol       | 89        |           | 30-130                 |
| Phenol-d6            | 91        |           | 30-130                 |
| Nitrobenzene-d5      | 84        |           | 30-130                 |
| 2-Fluorobiphenyl     | 90        |           | 30-130                 |
| 2,4,6-Tribromophenol | 102       |           | 30-130                 |
| 4-Terphenyl-d14      | 98        |           | 30-130                 |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU2501.P2

Lab Number: L2442969

Report Date: 08/09/24

| Parameter                                                                                           | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG1956156-2 WG1956156-3 |                  |      |                   |      |                     |     |      |               |
| Acenaphthene                                                                                        | 80               |      | 67                |      | 40-140              | 18  |      | 30            |
| 1,2,4-Trichlorobenzene                                                                              | 83               |      | 70                |      | 40-140              | 17  |      | 30            |
| Hexachlorobenzene                                                                                   | 85               |      | 73                |      | 40-140              | 15  |      | 30            |
| Bis(2-chloroethyl)ether                                                                             | 78               |      | 66                |      | 40-140              | 17  |      | 30            |
| 2-Chloronaphthalene                                                                                 | 80               |      | 68                |      | 40-140              | 16  |      | 30            |
| 1,2-Dichlorobenzene                                                                                 | 78               |      | 68                |      | 40-140              | 14  |      | 30            |
| 1,3-Dichlorobenzene                                                                                 | 77               |      | 65                |      | 40-140              | 17  |      | 30            |
| 1,4-Dichlorobenzene                                                                                 | 77               |      | 66                |      | 40-140              | 15  |      | 30            |
| 3,3'-Dichlorobenzidine                                                                              | 68               |      | 53                |      | 40-140              | 25  |      | 30            |
| 2,4-Dinitrotoluene                                                                                  | 80               |      | 70                |      | 40-140              | 13  |      | 30            |
| 2,6-Dinitrotoluene                                                                                  | 78               |      | 70                |      | 40-140              | 11  |      | 30            |
| Azobenzene                                                                                          | 77               |      | 67                |      | 40-140              | 14  |      | 30            |
| Fluoranthene                                                                                        | 82               |      | 70                |      | 40-140              | 16  |      | 30            |
| 4-Bromophenyl phenyl ether                                                                          | 80               |      | 68                |      | 40-140              | 16  |      | 30            |
| Bis(2-chloroisopropyl)ether                                                                         | 54               |      | 50                |      | 40-140              | 8   |      | 30            |
| Bis(2-chloroethoxy)methane                                                                          | 83               |      | 73                |      | 40-140              | 13  |      | 30            |
| Hexachlorobutadiene                                                                                 | 90               |      | 74                |      | 40-140              | 20  |      | 30            |
| Hexachloroethane                                                                                    | 81               |      | 68                |      | 40-140              | 17  |      | 30            |
| Isophorone                                                                                          | 78               |      | 68                |      | 40-140              | 14  |      | 30            |
| Naphthalene                                                                                         | 82               |      | 68                |      | 40-140              | 19  |      | 30            |
| Nitrobenzene                                                                                        | 79               |      | 69                |      | 40-140              | 14  |      | 30            |
| Bis(2-ethylhexyl)phthalate                                                                          | 71               |      | 57                |      | 40-140              | 22  |      | 30            |
| Butyl benzyl phthalate                                                                              | 76               |      | 68                |      | 40-140              | 11  |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU2501.P2

Lab Number: L2442969

Report Date: 08/09/24

| Parameter                                                                                           | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG1956156-2 WG1956156-3 |                  |      |                   |      |                     |     |      |               |
| Di-n-butylphthalate                                                                                 | 83               |      | 68                |      | 40-140              | 20  |      | 30            |
| Di-n-octylphthalate                                                                                 | 70               |      | 57                |      | 40-140              | 20  |      | 30            |
| Diethyl phthalate                                                                                   | 80               |      | 69                |      | 40-140              | 15  |      | 30            |
| Dimethyl phthalate                                                                                  | 77               |      | 70                |      | 40-140              | 10  |      | 30            |
| Benzo(a)anthracene                                                                                  | 78               |      | 63                |      | 40-140              | 21  |      | 30            |
| Benzo(a)pyrene                                                                                      | 79               |      | 62                |      | 40-140              | 24  |      | 30            |
| Benzo(b)fluoranthene                                                                                | 81               |      | 60                |      | 40-140              | 30  |      | 30            |
| Benzo(k)fluoranthene                                                                                | 73               |      | 62                |      | 40-140              | 16  |      | 30            |
| Chrysene                                                                                            | 78               |      | 63                |      | 40-140              | 21  |      | 30            |
| Acenaphthylene                                                                                      | 76               |      | 68                |      | 40-140              | 11  |      | 30            |
| Anthracene                                                                                          | 86               |      | 71                |      | 40-140              | 19  |      | 30            |
| Benzo(ghi)perylene                                                                                  | 86               |      | 68                |      | 40-140              | 23  |      | 30            |
| Fluorene                                                                                            | 79               |      | 67                |      | 40-140              | 16  |      | 30            |
| Phenanthrene                                                                                        | 86               |      | 71                |      | 40-140              | 19  |      | 30            |
| Dibenzo(a,h)anthracene                                                                              | 84               |      | 65                |      | 40-140              | 26  |      | 30            |
| Indeno(1,2,3-cd)pyrene                                                                              | 84               |      | 66                |      | 40-140              | 24  |      | 30            |
| Pyrene                                                                                              | 83               |      | 71                |      | 40-140              | 16  |      | 30            |
| Aniline                                                                                             | 68               |      | 58                |      | 40-140              | 16  |      | 30            |
| 4-Chloroaniline                                                                                     | 52               |      | 44                |      | 40-140              | 17  |      | 30            |
| Dibenzofuran                                                                                        | 82               |      | 69                |      | 40-140              | 17  |      | 30            |
| 2-Methylnaphthalene                                                                                 | 82               |      | 70                |      | 40-140              | 16  |      | 30            |
| Acetophenone                                                                                        | 82               |      | 72                |      | 40-140              | 13  |      | 30            |
| 2,4,6-Trichlorophenol                                                                               | 84               |      | 76                |      | 30-130              | 10  |      | 30            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU2501.P2

Lab Number: L2442969

Report Date: 08/09/24

| Parameter                                                                                           | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG1956156-2 WG1956156-3 |                  |      |                   |      |                     |     |      |               |
| 2-Chlorophenol                                                                                      | 82               |      | 70                |      | 30-130              | 16  |      | 30            |
| 2,4-Dichlorophenol                                                                                  | 81               |      | 73                |      | 30-130              | 10  |      | 30            |
| 2,4-Dimethylphenol                                                                                  | 72               |      | 63                |      | 30-130              | 13  |      | 30            |
| 2-Nitrophenol                                                                                       | 82               |      | 73                |      | 30-130              | 12  |      | 30            |
| 4-Nitrophenol                                                                                       | 79               |      | 74                |      | 30-130              | 7   |      | 30            |
| 2,4-Dinitrophenol                                                                                   | 68               |      | 62                |      | 30-130              | 9   |      | 30            |
| Pentachlorophenol                                                                                   | 79               |      | 71                |      | 30-130              | 11  |      | 30            |
| Phenol                                                                                              | 88               |      | 78                |      | 30-130              | 12  |      | 30            |
| 2-Methylphenol                                                                                      | 78               |      | 70                |      | 30-130              | 11  |      | 30            |
| 3-Methylphenol/4-Methylphenol                                                                       | 81               |      | 72                |      | 30-130              | 12  |      | 30            |
| 2,4,5-Trichlorophenol                                                                               | 85               |      | 76                |      | 30-130              | 11  |      | 30            |
| Biphenyl                                                                                            | 81               |      | 70                |      | 40-140              | 15  |      | 30            |

| Surrogate            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|----------------------|------------------|------|-------------------|------|------------------------|
| 2-Fluorophenol       | 82               |      | 70                |      | 30-130                 |
| Phenol-d6            | 83               |      | 70                |      | 30-130                 |
| Nitrobenzene-d5      | 79               |      | 67                |      | 30-130                 |
| 2-Fluorobiphenyl     | 78               |      | 67                |      | 30-130                 |
| 2,4,6-Tribromophenol | 90               |      | 74                |      | 30-130                 |
| 4-Terphenyl-d14      | 76               |      | 65                |      | 30-130                 |

# **PETROLEUM HYDROCARBONS**



**Project Name:** TRURO DPW**Lab Number:** L2442969**Project Number:** TRU2501.P2**Report Date:** 08/09/24**SAMPLE RESULTS**

Lab ID: L2442969-01  
 Client ID: SB-12 (108-110)  
 Sample Location: TRURO, MA

Date Collected: 07/29/24 14:15  
 Date Received: 07/31/24  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 131, VPH-18-2.1  
 Analytical Date: 08/02/24 01:57  
 Analyst: BAD  
 Percent Solids: 98%

**Trap:** EST, Carboxen 1000&1001**Analytical Column:** Restek, RTX-502.2, 105m, 0.53ID, 3um**Quality Control Information**

|                                    |                         |
|------------------------------------|-------------------------|
| Condition of sample received:      | Satisfactory            |
| Sample Temperature upon receipt:   | Received on Ice         |
| Were samples received in methanol? | Yes (Covering the Soil) |
| Methanol ratio:                    | 1:1 +/- 25%             |

| Parameter                                                | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|----------------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| <b>Volatile Petroleum Hydrocarbons - Westborough Lab</b> |        |           |       |      |     |                 |
| C5-C8 Aliphatics                                         | ND     |           | mg/kg | 6.14 | --  | 1               |
| C9-C12 Aliphatics                                        | ND     |           | mg/kg | 6.14 | --  | 1               |
| C9-C10 Aromatics                                         | ND     |           | mg/kg | 6.14 | --  | 1               |
| C5-C8 Aliphatics, Adjusted                               | ND     |           | mg/kg | 6.14 | --  | 1               |
| C9-C12 Aliphatics, Adjusted                              | ND     |           | mg/kg | 6.14 | --  | 1               |

| Surrogate              | % Recovery | Qualifier | Acceptance Criteria |
|------------------------|------------|-----------|---------------------|
| 2,5-Dibromotoluene-PID | 114        |           | 70-130              |
| 2,5-Dibromotoluene-FID | 103        |           | 70-130              |



**Project Name:** TRURO DPW**Lab Number:** L2442969**Project Number:** TRU2501.P2**Report Date:** 08/09/24**SAMPLE RESULTS**

Lab ID: L2442969-01

Client ID: SB-12 (108-110)

Sample Location: TRURO, MA

Date Collected: 07/29/24 14:15

Date Received: 07/31/24

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 135,EPH-19-2.1

Analytical Date: 08/08/24 09:58

Analyst: SBC

Percent Solids: 98%

Extraction Method: EPA 3546

Extraction Date: 08/06/24 09:39

Cleanup Method1: EPH-19-2.1

Cleanup Date1: 08/07/24

**Quality Control Information**

Condition of sample received:

Satisfactory

Sample Temperature upon receipt:

Received on Ice

Sample Extraction method:

Extracted Per the Method

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

**Extractable Petroleum Hydrocarbons - Westborough Lab**

|                             |    |  |       |      |    |   |
|-----------------------------|----|--|-------|------|----|---|
| C9-C18 Aliphatics           | ND |  | mg/kg | 6.71 | -- | 1 |
| C19-C36 Aliphatics          | ND |  | mg/kg | 6.71 | -- | 1 |
| C11-C22 Aromatics           | ND |  | mg/kg | 6.71 | -- | 1 |
| C11-C22 Aromatics, Adjusted | ND |  | mg/kg | 6.71 | -- | 1 |

| Surrogate          | % Recovery | Qualifier | Acceptance Criteria |
|--------------------|------------|-----------|---------------------|
| Chloro-Octadecane  | 59         |           | 40-140              |
| o-Terphenyl        | 55         |           | 40-140              |
| 2-Fluorobiphenyl   | 60         |           | 40-140              |
| 2-Bromonaphthalene | 62         |           | 40-140              |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2442969  
**Report Date:** 08/09/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 131, VPH-18-2.1  
 Analytical Date: 08/01/24 13:13  
 Analyst: BAD

| Parameter                                                                              | Result | Qualifier | Units | RL   | MDL |
|----------------------------------------------------------------------------------------|--------|-----------|-------|------|-----|
| Volatile Petroleum Hydrocarbons - Westborough Lab for sample(s): 01 Batch: WG1954611-4 |        |           |       |      |     |
| C5-C8 Aliphatics                                                                       | ND     |           | mg/kg | 5.00 | --  |
| C9-C12 Aliphatics                                                                      | ND     |           | mg/kg | 5.00 | --  |
| C9-C10 Aromatics                                                                       | ND     |           | mg/kg | 5.00 | --  |
| C5-C8 Aliphatics, Adjusted                                                             | ND     |           | mg/kg | 5.00 | --  |
| C9-C12 Aliphatics, Adjusted                                                            | ND     |           | mg/kg | 5.00 | --  |

| Surrogate              | %Recovery | Qualifier | Acceptance Criteria |
|------------------------|-----------|-----------|---------------------|
| 2,5-Dibromotoluene-PID | 143       | Q         | 70-130              |
| 2,5-Dibromotoluene-FID | 133       | Q         | 70-130              |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2442969  
**Report Date:** 08/09/24

### Method Blank Analysis Batch Quality Control

**Analytical Method:** 135,EPH-19-2.1  
**Analytical Date:** 08/06/24 09:39  
**Analyst:** SBC

**Extraction Method:** EPA 3546  
**Extraction Date:** 08/05/24 10:23  
**Cleanup Method:** EPH-19-2.1  
**Cleanup Date:** 08/06/24

| Parameter                                                                                 | Result | Qualifier | Units | RL   | MDL |
|-------------------------------------------------------------------------------------------|--------|-----------|-------|------|-----|
| Extractable Petroleum Hydrocarbons - Westborough Lab for sample(s): 01 Batch: WG1955352-1 |        |           |       |      |     |
| C9-C18 Aliphatics                                                                         | ND     |           | mg/kg | 6.46 | --  |
| C19-C36 Aliphatics                                                                        | ND     |           | mg/kg | 6.46 | --  |
| C11-C22 Aromatics                                                                         | ND     |           | mg/kg | 6.46 | --  |
| C11-C22 Aromatics, Adjusted                                                               | ND     |           | mg/kg | 6.46 | --  |

| Surrogate          | %Recovery | Qualifier | Acceptance Criteria |
|--------------------|-----------|-----------|---------------------|
| Chloro-Octadecane  | 67        |           | 40-140              |
| o-Terphenyl        | 68        |           | 40-140              |
| 2-Fluorobiphenyl   | 86        |           | 40-140              |
| 2-Bromonaphthalene | 88        |           | 40-140              |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU2501.P2

Lab Number: L2442969

Report Date: 08/09/24

| Parameter                                                                                                 | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01 Batch: WG1954611-2 WG1954611-3 |                  |      |                   |      |                     |     |      |               |
| C5-C8 Aliphatics                                                                                          | 97               |      | 97                |      | 70-130              | 0   |      | 25            |
| C9-C12 Aliphatics                                                                                         | 99               |      | 99                |      | 70-130              | 0   |      | 25            |
| C9-C10 Aromatics                                                                                          | 100              |      | 100               |      | 70-130              | 0   |      | 25            |
| Benzene                                                                                                   | 107              |      | 104               |      | 70-130              | 3   |      | 25            |
| Toluene                                                                                                   | 103              |      | 102               |      | 70-130              | 1   |      | 25            |
| Ethylbenzene                                                                                              | 102              |      | 101               |      | 70-130              | 1   |      | 25            |
| p/m-Xylene                                                                                                | 104              |      | 104               |      | 70-130              | 0   |      | 25            |
| o-Xylene                                                                                                  | 102              |      | 101               |      | 70-130              | 1   |      | 25            |
| Methyl tert butyl ether                                                                                   | 131              | Q    | 129               |      | 70-130              | 2   |      | 25            |
| Naphthalene                                                                                               | 113              |      | 114               |      | 70-130              | 1   |      | 25            |
| 1,2,4-Trimethylbenzene                                                                                    | 100              |      | 100               |      | 70-130              | 0   |      | 25            |
| Pentane                                                                                                   | 88               |      | 90                |      | 70-130              | 2   |      | 25            |
| 2-Methylpentane                                                                                           | 100              |      | 99                |      | 70-130              | 1   |      | 25            |
| 2,2,4-Trimethylpentane                                                                                    | 101              |      | 100               |      | 70-130              | 1   |      | 25            |
| n-Nonane                                                                                                  | 99               |      | 100               |      | 30-130              | 0   |      | 25            |
| n-Decane                                                                                                  | 102              |      | 102               |      | 70-130              | 0   |      | 25            |
| n-Butylcyclohexane                                                                                        | 96               |      | 96                |      | 70-130              | 0   |      | 25            |

| Surrogate              | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|------------------------|------------------|------|-------------------|------|------------------------|
| 2,5-Dibromotoluene-PID | 114              |      | 112               |      | 70-130                 |
| 2,5-Dibromotoluene-FID | 105              |      | 104               |      | 70-130                 |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU2501.P2

Lab Number: L2442969

Report Date: 08/09/24

| Parameter                                                                                                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01 Batch: WG1955352-2 WG1955352-3 |                  |      |                   |      |                     |     |      |               |
| C9-C18 Aliphatics                                                                                            | 59               |      | 50                |      | 40-140              | 17  |      | 25            |
| C19-C36 Aliphatics                                                                                           | 79               |      | 75                |      | 40-140              | 5   |      | 25            |
| C11-C22 Aromatics                                                                                            | 74               |      | 73                |      | 40-140              | 1   |      | 25            |
| Naphthalene                                                                                                  | 63               |      | 58                |      | 40-140              | 8   |      | 25            |
| 2-Methylnaphthalene                                                                                          | 65               |      | 60                |      | 40-140              | 8   |      | 25            |
| Acenaphthylene                                                                                               | 66               |      | 61                |      | 40-140              | 8   |      | 25            |
| Acenaphthene                                                                                                 | 68               |      | 63                |      | 40-140              | 8   |      | 25            |
| Fluorene                                                                                                     | 69               |      | 65                |      | 40-140              | 6   |      | 25            |
| Phenanthrene                                                                                                 | 69               |      | 67                |      | 40-140              | 3   |      | 25            |
| Anthracene                                                                                                   | 82               |      | 80                |      | 40-140              | 2   |      | 25            |
| Fluoranthene                                                                                                 | 72               |      | 71                |      | 40-140              | 1   |      | 25            |
| Pyrene                                                                                                       | 66               |      | 65                |      | 40-140              | 2   |      | 25            |
| Benzo(a)anthracene                                                                                           | 74               |      | 73                |      | 40-140              | 1   |      | 25            |
| Chrysene                                                                                                     | 73               |      | 72                |      | 40-140              | 1   |      | 25            |
| Benzo(b)fluoranthene                                                                                         | 71               |      | 70                |      | 40-140              | 1   |      | 25            |
| Benzo(k)fluoranthene                                                                                         | 71               |      | 70                |      | 40-140              | 1   |      | 25            |
| Benzo(a)pyrene                                                                                               | 85               |      | 84                |      | 40-140              | 1   |      | 25            |
| Indeno(1,2,3-cd)Pyrene                                                                                       | 74               |      | 72                |      | 40-140              | 3   |      | 25            |
| Dibenzo(a,h)anthracene                                                                                       | 71               |      | 71                |      | 40-140              | 0   |      | 25            |
| Benzo(ghi)perylene                                                                                           | 65               |      | 65                |      | 40-140              | 0   |      | 25            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Lab Number: L2442969

Project Number: TRU2501.P2

Report Date: 08/09/24

| Parameter                                                                                                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01 Batch: WG1955352-2 WG1955352-3 |                  |      |                   |      |                     |     |      |               |

| Surrogate                          | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|------------------------------------|------------------|------|-------------------|------|------------------------|
| Chloro-Octadecane                  | 65               |      | 62                |      | 40-140                 |
| o-Terphenyl                        | 69               |      | 69                |      | 40-140                 |
| 2-Fluorobiphenyl                   | 78               |      | 85                |      | 40-140                 |
| 2-Bromonaphthalene                 | 81               |      | 88                |      | 40-140                 |
| % Naphthalene Breakthrough         | 0                |      | 0                 |      |                        |
| % 2-Methylnaphthalene Breakthrough | 0                |      | 0                 |      |                        |

# PCBS



**Project Name:** TRURO DPW**Lab Number:** L2442969**Project Number:** TRU2501.P2**Report Date:** 08/09/24**SAMPLE RESULTS**

Lab ID: L2442969-01  
 Client ID: SB-12 (108-110)  
 Sample Location: TRURO, MA

Date Collected: 07/29/24 14:15  
 Date Received: 07/31/24  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 97,8082A  
 Analytical Date: 08/07/24 08:01  
 Analyst: EMR  
 Percent Solids: 98%

Extraction Method: EPA 3546  
 Extraction Date: 08/06/24 08:07  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 08/06/24  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 08/07/24

| Parameter                                       | Result | Qualifier | Units | RL   | MDL | Dilution Factor | Column |
|-------------------------------------------------|--------|-----------|-------|------|-----|-----------------|--------|
| MCP Polychlorinated Biphenyls - Westborough Lab |        |           |       |      |     |                 |        |
| Aroclor 1016                                    | ND     |           | ug/kg | 50.1 | --  | 1               | A      |
| Aroclor 1221                                    | ND     |           | ug/kg | 50.1 | --  | 1               | A      |
| Aroclor 1232                                    | ND     |           | ug/kg | 50.1 | --  | 1               | A      |
| Aroclor 1242                                    | ND     |           | ug/kg | 50.1 | --  | 1               | A      |
| Aroclor 1248                                    | ND     |           | ug/kg | 50.1 | --  | 1               | A      |
| Aroclor 1254                                    | ND     |           | ug/kg | 50.1 | --  | 1               | A      |
| Aroclor 1260                                    | ND     |           | ug/kg | 50.1 | --  | 1               | A      |
| Aroclor 1262                                    | ND     |           | ug/kg | 50.1 | --  | 1               | A      |
| Aroclor 1268                                    | ND     |           | ug/kg | 50.1 | --  | 1               | A      |
| PCBs, Total                                     | ND     |           | ug/kg | 50.1 | --  | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 66         |           | 30-150              | A      |
| Decachlorobiphenyl           | 61         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 69         |           | 30-150              | B      |
| Decachlorobiphenyl           | 70         |           | 30-150              | B      |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2442969  
**Report Date:** 08/09/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 97,8082A  
 Analytical Date: 08/07/24 07:38  
 Analyst: EMR

Extraction Method: EPA 3546  
 Extraction Date: 08/06/24 08:07  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 08/06/24  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 08/07/24

| Parameter                                                         | Result | Qualifier | Units | RL     | MDL         | Column |
|-------------------------------------------------------------------|--------|-----------|-------|--------|-------------|--------|
| MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01 |        |           |       | Batch: | WG1955764-1 |        |
| Aroclor 1016                                                      | ND     |           | ug/kg | 48.0   | --          | A      |
| Aroclor 1221                                                      | ND     |           | ug/kg | 48.0   | --          | A      |
| Aroclor 1232                                                      | ND     |           | ug/kg | 48.0   | --          | A      |
| Aroclor 1242                                                      | ND     |           | ug/kg | 48.0   | --          | A      |
| Aroclor 1248                                                      | ND     |           | ug/kg | 48.0   | --          | A      |
| Aroclor 1254                                                      | ND     |           | ug/kg | 48.0   | --          | A      |
| Aroclor 1260                                                      | ND     |           | ug/kg | 48.0   | --          | A      |
| Aroclor 1262                                                      | ND     |           | ug/kg | 48.0   | --          | A      |
| Aroclor 1268                                                      | ND     |           | ug/kg | 48.0   | --          | A      |
| PCBs, Total                                                       | ND     |           | ug/kg | 48.0   | --          | A      |

| Surrogate                    | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 67        |           | 30-150                 | A      |
| Decachlorobiphenyl           | 61        |           | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 69        |           | 30-150                 | B      |
| Decachlorobiphenyl           | 72        |           | 30-150                 | B      |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU2501.P2

Lab Number: L2442969

Report Date: 08/09/24

| Parameter                                                                                               | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|---------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01 Batch: WG1955764-2 WG1955764-3 |                  |      |                   |      |                     |     |      |               |        |
| Aroclor 1016                                                                                            | 68               |      | 67                |      | 40-140              | 1   |      | 30            | A      |
| Aroclor 1260                                                                                            | 64               |      | 62                |      | 40-140              | 3   |      | 30            | A      |

| Surrogate                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria | Column |
|------------------------------|------------------|------|-------------------|------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 66               |      | 65                |      | 30-150                 | A      |
| Decachlorobiphenyl           | 60               |      | 58                |      | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 67               |      | 67                |      | 30-150                 | B      |
| Decachlorobiphenyl           | 70               |      | 68                |      | 30-150                 | B      |

# PESTICIDES

Project Name: TRURO DPW

Lab Number: L2442969

Project Number: TRU2501.P2

Report Date: 08/09/24

## SAMPLE RESULTS

Lab ID: L2442969-01  
 Client ID: SB-12 (108-110)  
 Sample Location: TRURO, MA

Date Collected: 07/29/24 14:15  
 Date Received: 07/31/24  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 97,8081B  
 Analytical Date: 08/07/24 11:45  
 Analyst: MMG  
 Percent Solids: 98%

Extraction Method: EPA 3546  
 Extraction Date: 08/07/24 00:47  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 08/07/24  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 08/07/24

| Parameter                                       | Result | Qualifier | Units | RL    | MDL | Dilution Factor | Column |
|-------------------------------------------------|--------|-----------|-------|-------|-----|-----------------|--------|
| MCP Organochlorine Pesticides - Westborough Lab |        |           |       |       |     |                 |        |
| Delta-BHC                                       | ND     |           | ug/kg | 1.60  | --  | 1               | A      |
| Lindane                                         | ND     |           | ug/kg | 0.532 | --  | 1               | A      |
| Alpha-BHC                                       | ND     |           | ug/kg | 0.666 | --  | 1               | A      |
| Beta-BHC                                        | ND     |           | ug/kg | 1.60  | --  | 1               | A      |
| Heptachlor                                      | ND     |           | ug/kg | 0.799 | --  | 1               | A      |
| Aldrin                                          | ND     |           | ug/kg | 1.60  | --  | 1               | A      |
| Heptachlor epoxide                              | ND     |           | ug/kg | 2.99  | --  | 1               | A      |
| Endrin                                          | ND     |           | ug/kg | 0.666 | --  | 1               | A      |
| Endrin ketone                                   | ND     |           | ug/kg | 1.60  | --  | 1               | A      |
| Dieldrin                                        | ND     |           | ug/kg | 0.998 | --  | 1               | A      |
| 4,4'-DDE                                        | ND     |           | ug/kg | 1.60  | --  | 1               | A      |
| 4,4'-DDD                                        | ND     |           | ug/kg | 1.60  | --  | 1               | A      |
| 4,4'-DDT                                        | ND     |           | ug/kg | 2.99  | --  | 1               | A      |
| Endosulfan I                                    | ND     |           | ug/kg | 1.60  | --  | 1               | A      |
| Endosulfan II                                   | ND     |           | ug/kg | 1.60  | --  | 1               | A      |
| Endosulfan sulfate                              | ND     |           | ug/kg | 0.666 | --  | 1               | A      |
| Methoxychlor                                    | ND     |           | ug/kg | 2.99  | --  | 1               | A      |
| Chlordane                                       | ND     |           | ug/kg | 13.3  | --  | 1               | A      |
| Hexachlorobenzene                               | ND     |           | ug/kg | 1.60  | --  | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 92         |           | 30-150              | A      |
| Decachlorobiphenyl           | 93         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 85         |           | 30-150              | B      |
| Decachlorobiphenyl           | 98         |           | 30-150              | B      |

**Project Name:** TRURO DPW**Lab Number:** L2442969**Project Number:** TRU2501.P2**Report Date:** 08/09/24**SAMPLE RESULTS**

Lab ID: L2442969-01  
 Client ID: SB-12 (108-110)  
 Sample Location: TRURO, MA

Date Collected: 07/29/24 14:15  
 Date Received: 07/31/24  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 97,8151A  
 Analytical Date: 08/08/24 19:06  
 Analyst: SID  
 Percent Solids: 98%  
 Methylation Date: 08/08/24 12:27

Extraction Method: EPA 8151A  
 Extraction Date: 08/07/24 09:00

| Parameter                                    | Result | Qualifier | Units | RL   | MDL | Dilution Factor | Column |
|----------------------------------------------|--------|-----------|-------|------|-----|-----------------|--------|
| MCP Chlorinated Herbicides - Westborough Lab |        |           |       |      |     |                 |        |
| MCPP                                         | ND     |           | ug/kg | 3400 | --  | 1               | A      |
| MCPA                                         | ND     |           | ug/kg | 3400 | --  | 1               | A      |
| Dalapon                                      | ND     |           | ug/kg | 34   | --  | 1               | A      |
| Dicamba                                      | ND     |           | ug/kg | 34   | --  | 1               | A      |
| Dichloroprop                                 | ND     |           | ug/kg | 34   | --  | 1               | A      |
| 2,4-D                                        | ND     |           | ug/kg | 34   | --  | 1               | A      |
| 2,4-DB                                       | ND     |           | ug/kg | 34   | --  | 1               | A      |
| 2,4,5-T                                      | ND     |           | ug/kg | 34   | --  | 1               | A      |
| 2,4,5-TP (Silvex)                            | ND     |           | ug/kg | 34   | --  | 1               | A      |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA      | 87         |           | 30-150              | A      |
| DCAA      | 80         |           | 30-150              | B      |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2442969  
**Report Date:** 08/09/24

### Method Blank Analysis Batch Quality Control

**Analytical Method:** 97,8081B  
**Analytical Date:** 08/07/24 11:08  
**Analyst:** MMG

**Extraction Method:** EPA 3546  
**Extraction Date:** 08/07/24 00:47  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 08/07/24  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 08/07/24

| Parameter                                                                            | Result | Qualifier | Units | RL    | MDL | Column |
|--------------------------------------------------------------------------------------|--------|-----------|-------|-------|-----|--------|
| MCP Organochlorine Pesticides - Westborough Lab for sample(s): 01 Batch: WG1956169-1 |        |           |       |       |     |        |
| Delta-BHC                                                                            | ND     |           | ug/kg | 1.55  | --  | A      |
| Lindane                                                                              | ND     |           | ug/kg | 0.518 | --  | A      |
| Alpha-BHC                                                                            | ND     |           | ug/kg | 0.647 | --  | A      |
| Beta-BHC                                                                             | ND     |           | ug/kg | 1.55  | --  | A      |
| Heptachlor                                                                           | ND     |           | ug/kg | 0.777 | --  | A      |
| Aldrin                                                                               | ND     |           | ug/kg | 1.55  | --  | A      |
| Heptachlor epoxide                                                                   | ND     |           | ug/kg | 2.91  | --  | A      |
| Endrin                                                                               | ND     |           | ug/kg | 0.647 | --  | A      |
| Endrin ketone                                                                        | ND     |           | ug/kg | 1.55  | --  | A      |
| Dieldrin                                                                             | ND     |           | ug/kg | 0.971 | --  | A      |
| 4,4'-DDE                                                                             | ND     |           | ug/kg | 1.55  | --  | A      |
| 4,4'-DDD                                                                             | ND     |           | ug/kg | 1.55  | --  | A      |
| 4,4'-DDT                                                                             | ND     |           | ug/kg | 2.91  | --  | A      |
| Endosulfan I                                                                         | ND     |           | ug/kg | 1.55  | --  | A      |
| Endosulfan II                                                                        | ND     |           | ug/kg | 1.55  | --  | A      |
| Endosulfan sulfate                                                                   | ND     |           | ug/kg | 0.647 | --  | A      |
| Methoxychlor                                                                         | ND     |           | ug/kg | 2.91  | --  | A      |
| Chlordane                                                                            | ND     |           | ug/kg | 12.9  | --  | A      |
| Hexachlorobenzene                                                                    | ND     |           | ug/kg | 1.55  | --  | A      |

| Surrogate                    | %Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|-----------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 85        |           | 30-150              | A      |
| Decachlorobiphenyl           | 93        |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 81        |           | 30-150              | B      |
| Decachlorobiphenyl           | 97        |           | 30-150              | B      |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2442969  
**Report Date:** 08/09/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 97,8151A  
 Analytical Date: 08/08/24 13:54  
 Analyst: EJJ

Extraction Method: EPA 8151A  
 Extraction Date: 08/07/24 09:00

Methylation Date: 08/08/24 12:27

| Parameter                                                                         | Result | Qualifier | Units | RL   | MDL | Column |
|-----------------------------------------------------------------------------------|--------|-----------|-------|------|-----|--------|
| MCP Chlorinated Herbicides - Westborough Lab for sample(s): 01 Batch: WG1956350-1 |        |           |       |      |     |        |
| MCP                                                                               | ND     |           | ug/kg | 3300 | --  | A      |
| MCPA                                                                              | ND     |           | ug/kg | 3300 | --  | A      |
| Dalapon                                                                           | ND     |           | ug/kg | 33   | --  | A      |
| Dicamba                                                                           | ND     |           | ug/kg | 33   | --  | A      |
| Dichloroprop                                                                      | ND     |           | ug/kg | 33   | --  | A      |
| 2,4-D                                                                             | ND     |           | ug/kg | 33   | --  | A      |
| 2,4-DB                                                                            | ND     |           | ug/kg | 33   | --  | A      |
| 2,4,5-T                                                                           | ND     |           | ug/kg | 33   | --  | A      |
| 2,4,5-TP (Silvex)                                                                 | ND     |           | ug/kg | 33   | --  | A      |

| Surrogate | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|-----------|-----------|-----------|------------------------|--------|
| DCAA      | 88        |           | 30-150                 | A      |
| DCAA      | 79        |           | 30-150                 | B      |



# **Lab Control Sample Analysis** **Batch Quality Control**

Project Name: TRURO DPW

Project Number: TRU2501.P2

Lab Number: L2442969

Report Date: 08/09/24

| Parameter                                                                                               | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|---------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01 Batch: WG1956169-2 WG1956169-3 |                  |      |                   |      |                     |     |      |               |        |
| Delta-BHC                                                                                               | 85               |      | 84                |      | 40-140              | 1   |      | 30            | A      |
| Lindane                                                                                                 | 80               |      | 78                |      | 40-140              | 3   |      | 30            | A      |
| Alpha-BHC                                                                                               | 84               |      | 82                |      | 40-140              | 2   |      | 30            | A      |
| Beta-BHC                                                                                                | 98               |      | 96                |      | 40-140              | 2   |      | 30            | A      |
| Heptachlor                                                                                              | 80               |      | 79                |      | 40-140              | 1   |      | 30            | A      |
| Aldrin                                                                                                  | 83               |      | 83                |      | 40-140              | 0   |      | 30            | A      |
| Heptachlor epoxide                                                                                      | 79               |      | 80                |      | 40-140              | 1   |      | 30            | A      |
| Endrin                                                                                                  | 90               |      | 90                |      | 40-140              | 0   |      | 30            | A      |
| Endrin ketone                                                                                           | 94               |      | 92                |      | 40-140              | 2   |      | 30            | A      |
| Dieldrin                                                                                                | 94               |      | 94                |      | 40-140              | 0   |      | 30            | A      |
| 4,4'-DDE                                                                                                | 90               |      | 89                |      | 40-140              | 1   |      | 30            | A      |
| 4,4'-DDD                                                                                                | 94               |      | 94                |      | 40-140              | 0   |      | 30            | A      |
| 4,4'-DDT                                                                                                | 100              |      | 100               |      | 40-140              | 0   |      | 30            | A      |
| Endosulfan I                                                                                            | 86               |      | 85                |      | 40-140              | 1   |      | 30            | A      |
| Endosulfan II                                                                                           | 90               |      | 89                |      | 40-140              | 1   |      | 30            | A      |
| Endosulfan sulfate                                                                                      | 103              |      | 100               |      | 40-140              | 3   |      | 30            | A      |
| Methoxychlor                                                                                            | 107              |      | 108               |      | 40-140              | 1   |      | 30            | A      |
| Hexachlorobenzene                                                                                       | 84               |      | 80                |      | 40-140              | 5   |      | 30            | A      |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU2501.P2

Lab Number: L2442969

Report Date: 08/09/24

| Parameter | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
|-----------|------------------|------|-------------------|------|---------------------|-----|------|---------------|

MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01 Batch: WG1956169-2 WG1956169-3

| Surrogate                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria | Column |
|------------------------------|------------------|------|-------------------|------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 88               |      | 84                |      | 30-150                 | A      |
| Decachlorobiphenyl           | 95               |      | 88                |      | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 78               |      | 76                |      | 30-150                 | B      |
| Decachlorobiphenyl           | 97               |      | 96                |      | 30-150                 | B      |

# **Lab Control Sample Analysis** **Batch Quality Control**

Project Name: TRURO DPW

Project Number: TRU2501.P2

Lab Number: L2442969

Report Date: 08/09/24

| Parameter                                                                                            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| MCP Chlorinated Herbicides - Westborough Lab Associated sample(s): 01 Batch: WG1956350-2 WG1956350-3 |                  |      |                   |      |                     |     |      |               |        |
| MCP                                                                                                  | 70               |      | 67                |      | 40-140              | 4   |      | 30            | A      |
| MCPA                                                                                                 | 79               |      | 73                |      | 40-140              | 8   |      | 30            | A      |
| Dalapon                                                                                              | 98               |      | 94                |      | 40-140              | 4   |      | 30            | A      |
| Dicamba                                                                                              | 88               |      | 85                |      | 40-140              | 3   |      | 30            | A      |
| Dichloroprop                                                                                         | 101              |      | 96                |      | 40-140              | 5   |      | 30            | A      |
| 2,4-D                                                                                                | 99               |      | 95                |      | 40-140              | 4   |      | 30            | A      |
| 2,4-DB                                                                                               | 87               |      | 87                |      | 40-140              | 0   |      | 30            | A      |
| 2,4,5-T                                                                                              | 106              |      | 103               |      | 40-140              | 3   |      | 30            | A      |
| 2,4,5-TP (Silvex)                                                                                    | 96               |      | 93                |      | 40-140              | 3   |      | 30            | A      |

| Surrogate | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria | Column |
|-----------|------------------|------|-------------------|------|------------------------|--------|
| DCAA      | 85               |      | 87                |      | 30-150                 | A      |
| DCAA      | 88               |      | 88                |      | 30-150                 | B      |

## METALS

**Project Name:** TRURO DPW**Lab Number:** L2442969**Project Number:** TRU2501.P2**Report Date:** 08/09/24**SAMPLE RESULTS**

Lab ID: L2442969-01

Date Collected: 07/29/24 14:15

Client ID: SB-12 (108-110)

Date Received: 07/31/24

Sample Location: TRURO, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 98%

| Parameter                        | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Prep<br>Method | Analytical<br>Method | Analyst |
|----------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------|----------------------|---------|
| MCP Total Metals - Mansfield Lab |        |           |       |       |     |                    |                  |                  |                |                      |         |
| Antimony, Total                  | ND     |           | mg/kg | 3.87  | --  | 2                  | 08/01/24 09:10   | 08/01/24 16:29   | EPA 3050B      | 97,6010D             | DHL     |
| Arsenic, Total                   | 1.07   |           | mg/kg | 0.773 | --  | 2                  | 08/01/24 09:10   | 08/01/24 16:29   | EPA 3050B      | 97,6010D             | DHL     |
| Barium, Total                    | 1.70   |           | mg/kg | 0.773 | --  | 2                  | 08/01/24 09:10   | 08/01/24 16:29   | EPA 3050B      | 97,6010D             | DHL     |
| Beryllium, Total                 | ND     |           | mg/kg | 0.387 | --  | 2                  | 08/01/24 09:10   | 08/01/24 16:29   | EPA 3050B      | 97,6010D             | DHL     |
| Cadmium, Total                   | ND     |           | mg/kg | 0.773 | --  | 2                  | 08/01/24 09:10   | 08/01/24 16:29   | EPA 3050B      | 97,6010D             | DHL     |
| Chromium, Total                  | 3.62   |           | mg/kg | 0.773 | --  | 2                  | 08/01/24 09:10   | 08/01/24 16:29   | EPA 3050B      | 97,6010D             | DHL     |
| Lead, Total                      | ND     |           | mg/kg | 3.87  | --  | 2                  | 08/01/24 09:10   | 08/01/24 16:29   | EPA 3050B      | 97,6010D             | DHL     |
| Mercury, Total                   | ND     |           | mg/kg | 0.070 | --  | 1                  | 08/01/24 10:00   | 08/01/24 13:25   | EPA 7471B      | 97,7471B             | MJR     |
| Nickel, Total                    | ND     |           | mg/kg | 1.93  | --  | 2                  | 08/01/24 09:10   | 08/01/24 16:29   | EPA 3050B      | 97,6010D             | DHL     |
| Selenium, Total                  | ND     |           | mg/kg | 3.87  | --  | 2                  | 08/01/24 09:10   | 08/01/24 16:29   | EPA 3050B      | 97,6010D             | DHL     |
| Silver, Total                    | ND     |           | mg/kg | 0.773 | --  | 2                  | 08/01/24 09:10   | 08/01/24 16:29   | EPA 3050B      | 97,6010D             | DHL     |
| Thallium, Total                  | ND     |           | mg/kg | 3.87  | --  | 2                  | 08/01/24 09:10   | 08/01/24 16:29   | EPA 3050B      | 97,6010D             | DHL     |
| Vanadium, Total                  | 2.38   |           | mg/kg | 0.773 | --  | 2                  | 08/01/24 09:10   | 08/01/24 16:29   | EPA 3050B      | 97,6010D             | DHL     |
| Zinc, Total                      | 9.69   |           | mg/kg | 3.87  | --  | 2                  | 08/01/24 09:10   | 08/01/24 16:29   | EPA 3050B      | 97,6010D             | DHL     |



Project Name: TRURO DPW

Lab Number: L2442969

Project Number: TRU2501.P2

Report Date: 08/09/24

## Method Blank Analysis Batch Quality Control

| Parameter                                                             | Result Qualifier | Units | RL    | MDL | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|-----------------------------------------------------------------------|------------------|-------|-------|-----|-----------------|----------------|----------------|-------------------|---------|
| MCP Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1954027-1 |                  |       |       |     |                 |                |                |                   |         |
| Antimony, Total                                                       | ND               | mg/kg | 2.00  | --  | 1               | 08/01/24 09:10 | 08/01/24 16:11 | 97,6010D          | DHL     |
| Arsenic, Total                                                        | ND               | mg/kg | 0.400 | --  | 1               | 08/01/24 09:10 | 08/01/24 16:11 | 97,6010D          | DHL     |
| Barium, Total                                                         | ND               | mg/kg | 0.400 | --  | 1               | 08/01/24 09:10 | 08/01/24 16:11 | 97,6010D          | DHL     |
| Beryllium, Total                                                      | ND               | mg/kg | 0.200 | --  | 1               | 08/01/24 09:10 | 08/01/24 16:11 | 97,6010D          | DHL     |
| Cadmium, Total                                                        | ND               | mg/kg | 0.400 | --  | 1               | 08/01/24 09:10 | 08/01/24 16:11 | 97,6010D          | DHL     |
| Chromium, Total                                                       | ND               | mg/kg | 0.400 | --  | 1               | 08/01/24 09:10 | 08/01/24 16:11 | 97,6010D          | DHL     |
| Lead, Total                                                           | ND               | mg/kg | 2.00  | --  | 1               | 08/01/24 09:10 | 08/01/24 16:11 | 97,6010D          | DHL     |
| Nickel, Total                                                         | ND               | mg/kg | 1.00  | --  | 1               | 08/01/24 09:10 | 08/01/24 16:11 | 97,6010D          | DHL     |
| Selenium, Total                                                       | ND               | mg/kg | 2.00  | --  | 1               | 08/01/24 09:10 | 08/01/24 16:11 | 97,6010D          | DHL     |
| Silver, Total                                                         | ND               | mg/kg | 0.400 | --  | 1               | 08/01/24 09:10 | 08/01/24 16:11 | 97,6010D          | DHL     |
| Thallium, Total                                                       | ND               | mg/kg | 2.00  | --  | 1               | 08/01/24 09:10 | 08/01/24 16:11 | 97,6010D          | DHL     |
| Vanadium, Total                                                       | ND               | mg/kg | 0.400 | --  | 1               | 08/01/24 09:10 | 08/01/24 16:11 | 97,6010D          | DHL     |
| Zinc, Total                                                           | ND               | mg/kg | 2.00  | --  | 1               | 08/01/24 09:10 | 08/01/24 16:11 | 97,6010D          | DHL     |

### Prep Information

Digestion Method: EPA 3050B

| Parameter                                                             | Result Qualifier | Units | RL    | MDL | Dilution Factor | Date Prepared  | Date Analyzed  | Analytical Method | Analyst |
|-----------------------------------------------------------------------|------------------|-------|-------|-----|-----------------|----------------|----------------|-------------------|---------|
| MCP Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1954030-1 |                  |       |       |     |                 |                |                |                   |         |
| Mercury, Total                                                        | ND               | mg/kg | 0.083 | --  | 1               | 08/01/24 10:00 | 08/01/24 13:11 | 97,7471B          | MJR     |

### Prep Information

Digestion Method: EPA 7471B



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU2501.P2

Lab Number: L2442969

Report Date: 08/09/24

| Parameter                                                                                                         | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD Limits |
|-------------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|------------|
| MCP Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1954027-2 WG1954027-3 SRM Lot Number: D123-540 |                  |      |                   |      |                     |     |      |            |
| Antimony, Total                                                                                                   | 172              |      | 160               |      | 2-201               | 7   |      | 30         |
| Arsenic, Total                                                                                                    | 99               |      | 95                |      | 82-118              | 4   |      | 30         |
| Barium, Total                                                                                                     | 109              |      | 86                |      | 82-118              | 24  |      | 30         |
| Beryllium, Total                                                                                                  | 96               |      | 86                |      | 83-117              | 11  |      | 30         |
| Cadmium, Total                                                                                                    | 101              |      | 97                |      | 83-118              | 4   |      | 30         |
| Chromium, Total                                                                                                   | 104              |      | 98                |      | 81-118              | 6   |      | 30         |
| Lead, Total                                                                                                       | 100              |      | 97                |      | 82-119              | 3   |      | 30         |
| Nickel, Total                                                                                                     | 102              |      | 97                |      | 82-118              | 5   |      | 30         |
| Selenium, Total                                                                                                   | 99               |      | 96                |      | 81-119              | 3   |      | 30         |
| Silver, Total                                                                                                     | 98               |      | 94                |      | 79-120              | 4   |      | 30         |
| Thallium, Total                                                                                                   | 103              |      | 98                |      | 81-120              | 5   |      | 30         |
| Vanadium, Total                                                                                                   | 102              |      | 97                |      | 78-122              | 5   |      | 30         |
| Zinc, Total                                                                                                       | 100              |      | 96                |      | 80-120              | 4   |      | 30         |
| MCP Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1954030-2 WG1954030-3 SRM Lot Number: D123-540 |                  |      |                   |      |                     |     |      |            |
| Mercury, Total                                                                                                    | 85               |      | 92                |      | 67-132              | 8   |      | 30         |

# **INORGANICS & MISCELLANEOUS**



**Project Name:** TRURO DPW**Project Number:** TRU2501.P2**Lab Number:** L2442969**Report Date:** 08/09/24**SAMPLE RESULTS****Lab ID:** L2442969-01**Client ID:** SB-12 (108-110)**Sample Location:** TRURO, MA**Date Collected:** 07/29/24 14:15**Date Received:** 07/31/24**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

| Parameter                           | Result | Qualifier | Units | RL    | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab |        |           |       |       |     |                    |                  |                  |                      |         |
| Solids, Total                       | 98.4   |           | %     | 0.100 | NA  | 1                  | -                | 08/01/24 09:59   | 121,2540G            | ROI     |



**Project Name:** TRURO DPW**Lab Number:** L2442969**Project Number:** TRU2501.P2**Report Date:** 08/09/24**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

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

A                                  Absent

**Container Information**

| <b>Container ID</b> | <b>Container Type</b>                  | <b>Cooler</b> | <b>Initial<br/>pH</b> | <b>Final<br/>pH</b> | <b>Temp<br/>deg C</b> | <b>Pres</b> | <b>Seal</b> | <b>Frozen<br/>Date/Time</b> | <b>Analysis(*)</b>                                                                                                                                                                                                                                                                               |
|---------------------|----------------------------------------|---------------|-----------------------|---------------------|-----------------------|-------------|-------------|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L2442969-01A        | Vial MeOH preserved                    | A             | NA                    |                     | 2.7                   | Y           | Absent      |                             | MCP-8260HLW-21(14),VPH-18(28)                                                                                                                                                                                                                                                                    |
| L2442969-01B        | Vial water preserved                   | A             | NA                    |                     | 2.7                   | Y           | Absent      | 31-JUL-24 13:36             | MCP-8260HLW-21(14)                                                                                                                                                                                                                                                                               |
| L2442969-01C        | Vial water preserved                   | A             | NA                    |                     | 2.7                   | Y           | Absent      | 31-JUL-24 13:36             | MCP-8260HLW-21(14)                                                                                                                                                                                                                                                                               |
| L2442969-01D        | Plastic 2oz unpreserved for TS         | A             | NA                    |                     | 2.7                   | Y           | Absent      |                             | TS(7)                                                                                                                                                                                                                                                                                            |
| L2442969-01E        | Plastic 2oz unpreserved for TS         | A             | NA                    |                     | 2.7                   | Y           | Absent      |                             | MCP-8082-10(365),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-21(14)                                                                                                                                                                                                                                 |
| L2442969-01F        | Metals Only-Glass 60mL/2oz unpreserved | A             | NA                    |                     | 2.7                   | Y           | Absent      |                             | MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-SB-6010T-10(180),MCP-AG-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-V-6010T-10(180),MCP-BA-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180) |
| L2442969-01G        | Glass 500ml/16oz unpreserved           | A             | NA                    |                     | 2.7                   | Y           | Absent      |                             | MCP-8082-10(365),MCP-8081-10(14),MCP-8151-10(14),EPH-20(14),MCP-8270-21(14)                                                                                                                                                                                                                      |

**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2442969  
**Report Date:** 08/09/24

## 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.)<br><br>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: Data Usability Report



**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2442969  
**Report Date:** 08/09/24

## 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, Dibenz(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. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

**Report Format:** Data Usability Report



**Project Name:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2442969  
**Report Date:** 08/09/24

#### **Data Qualifiers**

- ND** - Not detected at the reporting limit (RL) for the sample.
- 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:** TRURO DPW  
**Project Number:** TRU2501.P2

**Lab Number:** L2442969  
**Report Date:** 08/09/24

## REFERENCES

- 97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010; WSC-CAM-IIIA and IIID, January 2024; WSC-CAM-IIIB and VA, February 2024; and WSC-CAM-VB and VC, April 2024.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 131 Method for the Determination of Volatile Petroleum Hydrocarbons (VPH), MassDEP, February 2018, Revision 2.1 with QC Requirements & Performance Standards for the Analysis of VPH under the Massachusetts Contingency Plan, WSC-CAM-IVA, June 1, 2018.
- 135 Method for the Determination of Extractable Petroleum Hydrocarbons (EPH), MassDEP, December 2019, Revision 2.1 with QC Requirements & Performance Standards for the Analysis of EPH under the Massachusetts Contingency Plan, WSC-CAM-IVB, March 1, 2020.
- 141 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA and IIB, November 2021.

## LIMITATION OF LIABILITIES

Alpha Analytical 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 Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical 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 Alpha Analytical.

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.



**Alpha Analytical, Inc.**Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 21

Published Date: 04/17/2024

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**Certification Information**

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

**Westborough Facility****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, NO<sub>2</sub>, NO<sub>3</sub>.**Mansfield Facility****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.

**Nonpotable Water:** **EPA RSK-175 Dissolved Gases****Biological Tissue Matrix:** EPA 3050B

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

**Westborough Facility:****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:****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**

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







## Method Blank Summary Form 4 Volatiles

Client : HRP Associates, Inc  
Project Name : TRURO DPW  
Lab Sample ID : WG1955408-5  
Instrument ID : VOA127  
Matrix : SOIL

Lab Number : L2442969  
Project Number : TRU2501.P2  
Lab File ID : V2724080NA05  
Analysis Date : 08/02/24 19:20

| Client Sample No. | Lab Sample ID | Analysis Date  |
|-------------------|---------------|----------------|
| WG1955408-3LCS    | WG1955408-3   | 08/02/24 17:56 |
| WG1955408-4LCSD   | WG1955408-4   | 08/02/24 18:17 |
| SB-1 (108-110)    | L2442969-01   | 08/02/24 19:41 |

# Calibration Verification Summary

## Form 7

### Volatiles

Client : HRP Associates, Inc  
 Project Name : TRURO DPW  
 Instrument ID : VOA127  
 Lab File ID : V2724080NA01  
 Sample No : WG1955408-2  
 Channel :

Lab Number : L2442969  
 Project Number : TRU2501.P2  
 Calibration Date : 08/02/24 17:56  
 Init. Calib. Date(s) : 07/23/24 07/23/24  
 Init. Calib. Times : 13:07 16:58

| Compound                 | Ave. RRF | RRF    | Min RRF | %D    | Max %D | Area% | Dev(min) |
|--------------------------|----------|--------|---------|-------|--------|-------|----------|
| Fluorobenzene            | 1        | 1      | -       | 0     | 20     | 139   | 0        |
| Dichlorodifluoromethane  | 40       | 35.818 | -       | 10.5  | 20     | 126   | 0        |
| Chloromethane            | 0.425    | 0.369  | -       | 13.2  | 20     | 122   | 0        |
| Vinyl chloride           | 0.32     | 0.315  | -       | 1.6   | 20     | 134   | 0        |
| Bromomethane             | 40       | 39.173 | -       | 2.1   | 20     | 141   | 0        |
| Chloroethane             | 0.17     | 0.174  | -       | -2.4  | 20     | 134   | 0        |
| Trichlorofluoromethane   | 0.39     | 0.343  | -       | 12.1  | 20     | 121   | 0        |
| Ethyl ether              | 0.154    | 0.148  | -       | 3.9   | 20     | 134   | 0        |
| 1,1-Dichloroethene       | 0.21     | 0.217  | -       | -3.3  | 20     | 142   | 0        |
| Carbon disulfide         | 0.764    | 0.75   | -       | 1.8   | 20     | 136   | 0        |
| Freon-113                | 0.225    | 0.226  | -       | -0.4  | 20     | 139   | 0        |
| Acrolein                 | 0.066    | 0.052  | -       | 21.2* | 20     | 111   | 0        |
| Methylene chloride       | 40       | 40.711 | -       | -1.8  | 20     | 136   | 0        |
| Acetone                  | 40       | 38.418 | -       | 4     | 20     | 139   | 0        |
| trans-1,2-Dichloroethene | 0.248    | 0.247  | -       | 0.4   | 20     | 137   | 0        |
| Methyl acetate           | 0.267    | 0.222  | -       | 16.9  | 20     | 124   | 0        |
| Methyl tert-butyl ether  | 0.788    | 0.788  | -       | 0     | 20     | 139   | 0        |
| tert-Butyl alcohol       | 0.041    | 0.036  | -       | 12.2  | 20     | 131   | 0        |
| Diisopropyl ether        | 1.201    | 1.136  | -       | 5.4   | 20     | 133   | 0        |
| 1,1-Dichloroethane       | 0.537    | 0.529  | -       | 1.5   | 20     | 138   | 0        |
| Halothane                | 0.169    | 0.193  | -       | -14.2 | 20     | 157   | -.01     |
| Acrylonitrile            | 0.125    | 0.109  | -       | 12.8  | 20     | 130   | 0        |
| Ethyl tert-butyl ether   | 0.941    | 0.906  | -       | 3.7   | 20     | 134   | 0        |
| Vinyl acetate            | 0.904    | 0.523  | -       | 42.1* | 20     | 82    | 0        |
| cis-1,2-Dichloroethene   | 0.297    | 0.29   | -       | 2.4   | 20     | 134   | -.01     |
| 2,2-Dichloropropane      | 0.413    | 0.355  | -       | 14    | 20     | 125   | -.01     |
| Bromochloromethane       | 0.151    | 0.145  | -       | 4     | 20     | 127   | 0        |
| Cyclohexane              | 40       | 34.1   | -       | 14.7  | 20     | 139   | 0        |
| Chloroform               | 0.559    | 0.489  | -       | 12.5  | 20     | 123   | 0        |
| Ethyl acetate            | 0.391    | 0.312  | -       | 20.2* | 20     | 122   | 0        |
| Carbon tetrachloride     | 0.352    | 0.336  | -       | 4.5   | 20     | 129   | 0        |
| Tetrahydrofuran          | 0.103    | 0.085  | -       | 17.5  | 20     | 125   | -.01     |
| Dibromofluoromethane     | 0.292    | 0.276  | -       | 5.5   | 20     | 137   | 0        |
| 1,1,1-Trichloroethane    | 0.414    | 0.402  | -       | 2.9   | 20     | 129   | 0        |
| 2-Butanone               | 0.185    | 0.14   | -       | 24.3* | 20     | 120   | 0        |
| 1,1-Dichloropropene      | 40       | 41.301 | -       | -3.3  | 20     | 139   | 0        |
| Benzene                  | 1.053    | 1.039  | -       | 1.3   | 20     | 129   | 0        |
| tert-Amyl methyl ether   | 0.662    | 0.667  | -       | -0.8  | 20     | 134   | 0        |
| 1,2-Dichloroethane-d4    | 0.355    | 0.316  | -       | 11    | 20     | 129   | 0        |
| 1,2-Dichloroethane       | 0.44     | 0.385  | -       | 12.5  | 20     | 120   | 0        |
| Methyl cyclohexane       | 40       | 34.634 | -       | 13.4  | 20     | 137   | 0        |
| Trichloroethene          | 0.292    | 0.317  | -       | -8.6  | 20     | 145   | 0        |
| Dibromomethane           | 0.19     | 0.17   | -       | 10.5  | 20     | 125   | 0        |

\* Value outside of QC limits.



# Calibration Verification Summary

## Form 7

### Volatiles

Client : HRP Associates, Inc  
 Project Name : TRURO DPW  
 Instrument ID : VOA127  
 Lab File ID : V2724080NA01  
 Sample No : WG1955408-2  
 Channel :

Lab Number : L2442969  
 Project Number : TRU2501.P2  
 Calibration Date : 08/02/24 17:56  
 Init. Calib. Date(s) : 07/23/24 07/23/24  
 Init. Calib. Times : 13:07 16:58

| Compound                   | Ave. RRF | RRF      | Min RRF | %D    | Max %D | Area% | Dev(min) |
|----------------------------|----------|----------|---------|-------|--------|-------|----------|
| 1,2-Dichloropropane        | 0.327    | 0.299    | -       | 8.6   | 20     | 126   | 0        |
| 2-Chloroethyl vinyl ether  | 0.193    | 0.16     | -       | 17.1  | 20     | 129   | 0        |
| Bromodichloromethane       | 0.42     | 0.363    | -       | 13.6  | 20     | 122   | 0        |
| 1,4-Dioxane                | 2000     | 1607.634 | -       | 19.6  | 20     | 132   | 0        |
| cis-1,3-Dichloropropene    | 0.415    | 0.423    | -       | -1.9  | 20     | 126   | 0        |
| Chlorobenzene-d5           | 1        | 1        | -       | 0     | 20     | 137   | 0        |
| Toluene-d8                 | 1.208    | 1.228    | -       | -1.7  | 20     | 138   | 0        |
| Toluene                    | 0.835    | 0.81     | -       | 3     | 20     | 131   | 0        |
| 4-Methyl-2-pentanone       | 0.125    | 0.118    | -       | 5.6   | 20     | 127   | 0        |
| Tetrachloroethene          | 0.385    | 0.384    | -       | 0.3   | 20     | 134   | 0        |
| trans-1,3-Dichloropropene  | 0.504    | 0.469    | -       | 6.9   | 20     | 124   | 0        |
| Ethyl methacrylate         | 0.401    | 0.38     | -       | 5.2   | 20     | 133   | 0        |
| 1,1,2-Trichloroethane      | 0.293    | 0.253    | -       | 13.7  | 20     | 123   | 0        |
| Chlorodibromomethane       | 0.376    | 0.342    | -       | 9     | 20     | 128   | 0        |
| 1,3-Dichloropropane        | 0.548    | 0.503    | -       | 8.2   | 20     | 123   | 0        |
| 1,2-Dibromoethane          | 0.315    | 0.298    | -       | 5.4   | 20     | 127   | 0        |
| 2-Hexanone                 | 0.274    | 0.225    | -       | 17.9  | 20     | 124   | 0        |
| Chlorobenzene              | 0.954    | 0.921    | -       | 3.5   | 20     | 129   | 0        |
| Ethylbenzene               | 1.447    | 1.496    | -       | -3.4  | 20     | 131   | 0        |
| 1,1,1,2-Tetrachloroethane  | 0.358    | 0.335    | -       | 6.4   | 20     | 127   | 0        |
| p/m Xylene                 | 80       | 81.517   | -       | -1.9  | 20     | 131   | 0        |
| o Xylene                   | 80       | 76.267   | -       | 4.7   | 20     | 129   | 0        |
| Styrene                    | 80       | 78.308   | -       | 2.1   | 20     | 126   | 0        |
| 1,4-Dichlorobenzene-d4     | 1        | 1        | -       | 0     | 20     | 133   | 0        |
| Bromoform                  | 0.45     | 0.4      | -       | 11.1  | 20     | 125   | 0        |
| Isopropylbenzene           | 40       | 37.212   | -       | 7     | 20     | 132   | 0        |
| 4-Bromofluorobenzene       | 0.761    | 0.791    | -       | -3.9  | 20     | 139   | 0        |
| Bromobenzene               | 0.809    | 0.773    | -       | 4.4   | 20     | 129   | 0        |
| n-Propylbenzene            | 40       | 37.579   | -       | 6.1   | 20     | 129   | 0        |
| 1,4-Dichlorobutane         | 1.253    | 1.134    | -       | 9.5   | 20     | 120   | 0        |
| 1,1,2,2-Tetrachloroethane  | 0.804    | 0.61     | -       | 24.1* | 20     | 108   | 0        |
| 4-Ethyltoluene             | 2.43     | 2.529    | -       | -4.1  | 20     | 129   | 0        |
| 2-Chlorotoluene            | 1.875    | 2.173    | -       | -15.9 | 20     | 145   | 0        |
| 1,3,5-Trimethylbenzene     | 2.156    | 2.206    | -       | -2.3  | 20     | 125   | 0        |
| 1,2,3-Trichloropropane     | 0.633    | 0.545    | -       | 13.9  | 20     | 125   | 0        |
| trans-1,4-Dichloro-2-buten | 0.276    | 0.227    | -       | 17.8  | 20     | 110   | 0        |
| 4-Chlorotoluene            | 1.942    | 1.963    | -       | -1.1  | 20     | 128   | 0        |
| tert-Butylbenzene          | 40       | 36.564   | -       | 8.6   | 20     | 130   | 0        |
| 1,2,4-Trimethylbenzene     | 2.117    | 2.166    | -       | -2.3  | 20     | 125   | 0        |
| sec-Butylbenzene           | 40       | 37.453   | -       | 6.4   | 20     | 128   | 0        |
| p-Isopropyltoluene         | 40       | 39.262   | -       | 1.8   | 20     | 131   | 0        |
| 1,3-Dichlorobenzene        | 1.516    | 1.434    | -       | 5.4   | 20     | 124   | 0        |
| 1,4-Dichlorobenzene        | 1.533    | 1.421    | -       | 7.3   | 20     | 124   | 0        |

\* Value outside of QC limits.



# Calibration Verification Summary

## Form 7

### Volatiles

Client : HRP Associates, Inc  
 Project Name : TRURO DPW  
 Instrument ID : VOA127  
 Lab File ID : V2724080NA01  
 Sample No : WG1955408-2  
 Channel :

Lab Number : L2442969  
 Project Number : TRU2501.P2  
 Calibration Date : 08/02/24 17:56  
 Init. Calib. Date(s) : 07/23/24 07/23/24  
 Init. Calib. Times : 13:07 16:58

| Compound                   | Ave. RRF | RRF    | Min RRF | %D   | Max %D | Area% | Dev(min) |
|----------------------------|----------|--------|---------|------|--------|-------|----------|
| p-Diethylbenzene           | 40       | 35.866 | -       | 10.3 | 20     | 127   | 0        |
| n-Butylbenzene             | 40       | 37.104 | -       | 7.2  | 20     | 124   | 0        |
| 1,2-Dichlorobenzene        | 1.458    | 1.359  | -       | 6.8  | 20     | 125   | 0        |
| 1,2,4,5-Tetramethylbenzene | 40       | 38.469 | -       | 3.8  | 20     | 129   | 0        |
| 1,2-Dibromo-3-chloropropan | 0.122    | 0.111  | -       | 9    | 20     | 125   | 0        |
| 1,3,5-Trichlorobenzene     | 1.194    | 1.107  | -       | 7.3  | 20     | 123   | 0        |
| Hexachlorobutadiene        | 0.568    | 0.527  | -       | 7.2  | 20     | 121   | 0        |
| 1,2,4-Trichlorobenzene     | 1.044    | 0.978  | -       | 6.3  | 20     | 127   | 0        |
| Naphthalene                | 2.005    | 1.963  | -       | 2.1  | 20     | 130   | 0        |
| 1,2,3-Trichlorobenzene     | 0.987    | 0.965  | -       | 2.2  | 20     | 126   | 0        |

\* Value outside of QC limits.



# Performance Evaluation Mixture Summary

## Form 15

### Pesticides

Client : HRP Associates, Inc  
 Project Name : TRURO DPW  
 Instrument ID : PEST20  
 PEM Standard : R1861547-1  
 Column 1 : RTX-5

Lab Number : L2442969  
 Project Number : TRU2501.P2  
 Analysis Date : 08/07/24 07:02  
 Column 2 : RTX-CLPPesticides2

| Parameter       | Signal 1       | Signal 2        |
|-----------------|----------------|-----------------|
| 4,4'-DDE        | 383286.43102   | 594288.12969    |
| Endrin          | 142710551.6875 | 229419376.40219 |
| 4,4'-DDD        | 476647.80292   | 744708.17333    |
| 4,4'-DDT        | 250808182.8277 | 402027995.04391 |
| Endrin Aldehyde | 642153.04763   | 759342.5295     |
| Endrin Ketone   | 1181394.65763  | 1759833.0806    |

| Parameter | %Breakdown 1 | %Breakdown 2 |
|-----------|--------------|--------------|
| Endrin    | 1.26         | 1.09         |
| DDT       | 0.342        | 0.332        |



## ANALYTICAL REPORT

|                 |                                                              |
|-----------------|--------------------------------------------------------------|
| Lab Number:     | L2446578                                                     |
| Client:         | HRP Associates, Inc<br>13 Court Street<br>Plymouth, MA 02360 |
| ATTN:           | Bryan Massa                                                  |
| Phone:          | (781) 210-9840                                               |
| Project Name:   | TRURO DPW                                                    |
| Project Number: | TRU250P2                                                     |
| Report Date:    | 08/26/24                                                     |

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

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Eight Walkup Drive, Westborough, MA 01581-1019  
508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** TRURO DPW  
**Project Number:** TRU250P2

**Lab Number:** L2446578  
**Report Date:** 08/26/24

| <b>Alpha<br/>Sample ID</b> | <b>Client ID</b> | <b>Matrix</b> | <b>Sample<br/>Location</b> | <b>Collection<br/>Date/Time</b> | <b>Receive Date</b> |
|----------------------------|------------------|---------------|----------------------------|---------------------------------|---------------------|
| L2446578-01                | MW-1             | WATER         | TRURO, MA                  | 08/14/24 12:00                  | 08/15/24            |
| L2446578-02                | MW-2             | WATER         | TRURO, MA                  | 08/14/24 10:30                  | 08/15/24            |
| L2446578-03                | MW-3             | WATER         | TRURO, MA                  | 08/14/24 13:30                  | 08/15/24            |
| L2446578-04                | MW-4             | WATER         | TRURO, MA                  | 08/15/24 12:00                  | 08/15/24            |
| L2446578-05                | MW-5             | WATER         | TRURO, MA                  | 08/14/24 09:00                  | 08/15/24            |

Project Name: TRURO DPW

Lab Number: L2446578

Project Number: TRU250P2

Report Date: 08/26/24

**MADEP MCP Response Action Analytical Report Certification**

**This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.**

|                                                                                                              |                                                                                                                                                                                                                             |     |
|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| <b>An affirmative response to questions A through F is required for "Presumptive Certainty" status</b>       |                                                                                                                                                                                                                             |     |
| A                                                                                                            | Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times? | YES |
| B                                                                                                            | Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?                                                                                                        | YES |
| C                                                                                                            | Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?                                        | YES |
| D                                                                                                            | Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"                      | YES |
| E a.                                                                                                         | VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).                                                 | YES |
| E b.                                                                                                         | APH and TO-15 Methods only: Was the complete analyte list reported for each method?                                                                                                                                         | N/A |
| F                                                                                                            | Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?                                   | YES |
| <b>A response to questions G, H and I is required for "Presumptive Certainty" status</b>                     |                                                                                                                                                                                                                             |     |
| G                                                                                                            | Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?                                                                                                                   | YES |
| H                                                                                                            | Were all QC performance standards specified in the CAM protocol(s) achieved?                                                                                                                                                | NO  |
| I                                                                                                            | Were results reported for the complete analyte list specified in the selected CAM protocol(s)?                                                                                                                              | NO  |
| <b>For any questions answered "No", please refer to the case narrative section on the following page(s).</b> |                                                                                                                                                                                                                             |     |

**Please note that sample matrix information is located in the Sample Results section of this report.**





**Project Name:** TRURO DPW  
**Project Number:** TRU250P2

**Lab Number:** L2446578  
**Report Date:** 08/26/24

### 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 Alpha 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, Alpha'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 Alpha Project Manager and made arrangements for Alpha 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.

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**Project Name:** TRURO DPW  
**Project Number:** TRU250P2

**Lab Number:** L2446578  
**Report Date:** 08/26/24

### Case Narrative (continued)

#### MCP Related Narratives

##### Sample Receipt

The element list for metals analysis was specified by the client.

The samples were field filtered for Dissolved Metals.

#### Volatile Organics

L2446578-04 and -05: Initial calibration utilized a quadratic fit for: bromomethane

In reference to question H:

L2446578-01 through -03: Initial Calibration did not meet:

Lowest Calibration Standard Minimum Response Factor: 1,2-dichloropropane (0.183), 1,4-dioxane (0.0013)

Average Response Factor: 1,4-dioxane

Verification: dichlorodifluoromethane (67%)

L2446578-04 and -05: Initial Calibration did not meet:

Lowest Calibration Standard Minimum Response Factor: trichloroethene (0.1877), bromdichloromethane (0.2753), 1,4-dioxane (0.0017), 1,1,2-trichloroethane (0.1293)

Average Response Factor: 1,4-dioxane

L2446578-01 through -05: The associated continuing calibration standard is outside the acceptance criteria for several compounds; however, it is within overall method allowances. Associated results are considered to be biased high if the %D is negative and biased low if the %D is positive. A copy of the continuing calibration standard is included as an addendum to this report.

#### Semivolatile Organics

L2446578-01, -02, -03, -05, WG1962222-1, and WG1962222-2/-3: Initial calibration utilized a quadratic fit for: Bis(2-ethylhexyl)phthalate.

#### Semivolatile Organics by SIM

L2446578-01 through -05, WG1962223-1, and WG1962223-2/-3: Initial calibration utilized a quadratic fit for:

**Project Name:** TRURO DPW  
**Project Number:** TRU250P2

**Lab Number:** L2446578  
**Report Date:** 08/26/24

### Case Narrative (continued)

Pentachlorophenol.

VPH

In reference to question I:

All samples were analyzed for a subset of MCP analytes per client request.

EPH

In reference to question I:

All samples were analyzed for a subset of MCP analytes per client request.

Pesticides

L2446578-04: The sample has elevated detection limits due to limited sample volume available for analysis.

Non-MCP Related Narratives

Microextractables

The WG1961396-2 LCS recoveries for 1,2-dibromoethane (123%) and 1,2-dibromo-3-chloropropane (135%), associated with L2446578-01, are outside Alpha's acceptance criteria, but within the acceptance criteria specified in the method.

The WG1962033-2 LCS recovery for 1,2-dibromo-3-chloropropane (124%), associated with L2446578-02 through -05, is outside Alpha's acceptance criteria, but within the acceptance criteria specified in the method.

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:

*Melissa Sturgis* Melissa Sturgis

Title: Technical Director/Representative

Date: 08/26/24

# QC OUTLIER SUMMARY REPORT

**Project Name:** TRURO DPW

**Project Number:** TRU250P2

**Lab Number:** L2446578

**Report Date:** 08/26/24

| Method                                          | Client ID (Native ID) | Lab ID      | Parameter                     | QC Type   | Recovery/RPD (%) | QC Limits (%) | Associated Samples | Data Quality Assessment |
|-------------------------------------------------|-----------------------|-------------|-------------------------------|-----------|------------------|---------------|--------------------|-------------------------|
| MCP Volatile Organics - Westborough Lab         |                       |             |                               |           |                  |               |                    |                         |
| 8260D                                           | MW-1                  | L2446578-01 | 1,2-Dichloroethane-d4         | Surrogate | 134              | 70-130        | -                  | potential high bias     |
| 8260D                                           | MW-2                  | L2446578-02 | 1,2-Dichloroethane-d4         | Surrogate | 131              | 70-130        | -                  | potential high bias     |
| 8260D                                           | Batch QC              | WG1962513-4 | Acetone                       | LCSD      | 24               | 20            | 04-05              | non-directional bias    |
| Microextractables by GC - Westborough Lab       |                       |             |                               |           |                  |               |                    |                         |
| 8011                                            | Batch QC              | WG1961396-2 | 1,2-Dibromoethane             | LCS       | 123              | 80-120        | 01                 | potential high bias     |
| 8011                                            | Batch QC              | WG1961396-2 | 1,2-Dibromo-3-chloropropane   | LCS       | 135              | 80-120        | 01                 | potential high bias     |
| 8011                                            | Batch QC              | WG1962033-2 | 1,2-Dibromo-3-chloropropane   | LCS       | 124              | 80-120        | 02-05              | potential high bias     |
| MCP Semivolatile Organics - Westborough Lab     |                       |             |                               |           |                  |               |                    |                         |
| 8270E                                           | Batch QC              | WG1962222-2 | Aniline                       | LCS       | 19               | 40-140        | 01-05              | potential low bias      |
| 8270E                                           | Batch QC              | WG1962222-3 | Aniline                       | LCSD      | 11               | 40-140        | 01-05              | potential low bias      |
| 8270E                                           | Batch QC              | WG1962222-3 | Aniline                       | LCSD      | 53               | 20            | 01-05              | non-directional bias    |
| 8270E                                           | Batch QC              | WG1962222-3 | 4-Chloroaniline               | LCSD      | 24               | 20            | 01-05              | non-directional bias    |
| 8270E                                           | Batch QC              | WG1962222-3 | 2,4-Dimethylphenol            | LCSD      | 24               | 20            | 01-05              | non-directional bias    |
| 8270E                                           | Batch QC              | WG1962222-3 | 2-Methylphenol                | LCSD      | 21               | 20            | 01-05              | non-directional bias    |
| 8270E                                           | Batch QC              | WG1962222-3 | 3-Methylphenol/4-Methylphenol | LCSD      | 21               | 20            | 01-05              | non-directional bias    |
| MCP Chlorinated Herbicides - Westborough Lab    |                       |             |                               |           |                  |               |                    |                         |
| 8151A                                           | Batch QC              | WG1961626-3 | Dalapon                       | LCSD      | 31               | 20            | 01-05              | non-directional bias    |
| MCP Organochlorine Pesticides - Westborough Lab |                       |             |                               |           |                  |               |                    |                         |
| 8081B                                           | Batch QC              | WG1962042-3 | Hexachlorobenzene (A)         | LCSD      | 36               | 40-140        | 01-03,05           | potential low bias      |

# ORGANICS

# VOLATILES

**Project Name:** TRURO DPW  
**Project Number:** TRU250P2

**Lab Number:** L2446578  
**Report Date:** 08/26/24

**SAMPLE RESULTS**

Lab ID: L2446578-01  
Client ID: MW-1  
Sample Location: TRURO, MA

Date Collected: 08/14/24 12:00  
Date Received: 08/15/24  
Field Prep: Refer to COC

Sample Depth:  
Matrix: Water  
Analytical Method: 1,8011  
Analytical Date: 08/20/24 13:17  
Analyst: JKH

Extraction Method: EPA 8011  
Extraction Date: 08/20/24 09:09

| Parameter                                 | Result | Qualifier | Units | RL    | MDL | Dilution Factor | Column |
|-------------------------------------------|--------|-----------|-------|-------|-----|-----------------|--------|
| Microextractables by GC - Westborough Lab |        |           |       |       |     |                 |        |
| 1,2-Dibromoethane                         | ND     |           | ug/l  | 0.010 | --  | 1               | A      |
| 1,2-Dibromo-3-chloropropane               | ND     |           | ug/l  | 0.010 | --  | 1               | A      |

Project Name: TRURO DPW

Lab Number: L2446578

Project Number: TRU250P2

Report Date: 08/26/24

## SAMPLE RESULTS

Lab ID: L2446578-01

Date Collected: 08/14/24 12:00

Client ID: MW-1

Date Received: 08/15/24

Sample Location: TRURO, MA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Analytical Method: 141,8260D

Analytical Date: 08/21/24 11:39

Analyst: MCM

| Parameter                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|-----------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics - Westborough Lab |        |           |       |      |     |                 |
| Methylene chloride                      | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,1-Dichloroethane                      | ND     |           | ug/l  | 1.0  | --  | 1               |
| Chloroform                              | ND     |           | ug/l  | 1.0  | --  | 1               |
| Carbon tetrachloride                    | ND     |           | ug/l  | 1.0  | --  | 1               |
| 1,2-Dichloropropane                     | ND     |           | ug/l  | 1.0  | --  | 1               |
| Dibromochloromethane                    | ND     |           | ug/l  | 1.0  | --  | 1               |
| 1,1,2-Trichloroethane                   | ND     |           | ug/l  | 1.0  | --  | 1               |
| Tetrachloroethene                       | ND     |           | ug/l  | 1.0  | --  | 1               |
| Chlorobenzene                           | ND     |           | ug/l  | 1.0  | --  | 1               |
| Trichlorofluoromethane                  | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,2-Dichloroethane                      | ND     |           | ug/l  | 1.0  | --  | 1               |
| 1,1,1-Trichloroethane                   | ND     |           | ug/l  | 1.0  | --  | 1               |
| Bromodichloromethane                    | ND     |           | ug/l  | 1.0  | --  | 1               |
| trans-1,3-Dichloropropene               | ND     |           | ug/l  | 0.40 | --  | 1               |
| cis-1,3-Dichloropropene                 | ND     |           | ug/l  | 0.40 | --  | 1               |
| 1,3-Dichloropropene, Total              | ND     |           | ug/l  | 0.40 | --  | 1               |
| 1,1-Dichloropropene                     | ND     |           | ug/l  | 2.0  | --  | 1               |
| Bromoform                               | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,1,2,2-Tetrachloroethane               | ND     |           | ug/l  | 1.0  | --  | 1               |
| Benzene                                 | ND     |           | ug/l  | 0.50 | --  | 1               |
| Toluene                                 | ND     |           | ug/l  | 1.0  | --  | 1               |
| Ethylbenzene                            | ND     |           | ug/l  | 1.0  | --  | 1               |
| Chloromethane                           | ND     |           | ug/l  | 2.0  | --  | 1               |
| Bromomethane                            | ND     |           | ug/l  | 2.0  | --  | 1               |
| Vinyl chloride                          | ND     |           | ug/l  | 1.0  | --  | 1               |
| Chloroethane                            | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,1-Dichloroethene                      | ND     |           | ug/l  | 1.0  | --  | 1               |
| trans-1,2-Dichloroethene                | ND     |           | ug/l  | 1.0  | --  | 1               |



Project Name: TRURO DPW

Lab Number: L2446578

Project Number: TRU250P2

Report Date: 08/26/24

## SAMPLE RESULTS

Lab ID: L2446578-01

Date Collected: 08/14/24 12:00

Client ID: MW-1

Date Received: 08/15/24

Sample Location: TRURO, MA

Field Prep: Refer to COC

Sample Depth:

| Parameter                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|-----------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics - Westborough Lab |        |           |       |      |     |                 |
| Trichloroethene                         | ND     |           | ug/l  | 1.0  | --  | 1               |
| 1,2-Dichlorobenzene                     | ND     |           | ug/l  | 1.0  | --  | 1               |
| 1,3-Dichlorobenzene                     | ND     |           | ug/l  | 1.0  | --  | 1               |
| 1,4-Dichlorobenzene                     | ND     |           | ug/l  | 1.0  | --  | 1               |
| Methyl tert butyl ether                 | ND     |           | ug/l  | 2.0  | --  | 1               |
| p/m-Xylene                              | ND     |           | ug/l  | 2.0  | --  | 1               |
| o-Xylene                                | ND     |           | ug/l  | 1.0  | --  | 1               |
| Xylenes, Total                          | ND     |           | ug/l  | 1.0  | --  | 1               |
| cis-1,2-Dichloroethene                  | ND     |           | ug/l  | 1.0  | --  | 1               |
| 1,2-Dichloroethene, Total               | ND     |           | ug/l  | 1.0  | --  | 1               |
| Dibromomethane                          | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,2,3-Trichloropropane                  | ND     |           | ug/l  | 2.0  | --  | 1               |
| Styrene                                 | ND     |           | ug/l  | 1.0  | --  | 1               |
| Dichlorodifluoromethane                 | ND     |           | ug/l  | 2.0  | --  | 1               |
| Acetone                                 | ND     |           | ug/l  | 5.0  | --  | 1               |
| Carbon disulfide                        | ND     |           | ug/l  | 2.0  | --  | 1               |
| Methyl ethyl ketone                     | ND     |           | ug/l  | 5.0  | --  | 1               |
| Methyl isobutyl ketone                  | ND     |           | ug/l  | 5.0  | --  | 1               |
| 2-Hexanone                              | ND     |           | ug/l  | 5.0  | --  | 1               |
| Bromochloromethane                      | ND     |           | ug/l  | 2.0  | --  | 1               |
| Tetrahydrofuran                         | ND     |           | ug/l  | 2.0  | --  | 1               |
| 2,2-Dichloropropane                     | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,2-Dibromoethane                       | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,3-Dichloropropane                     | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,1,1,2-Tetrachloroethane               | ND     |           | ug/l  | 1.0  | --  | 1               |
| Bromobenzene                            | ND     |           | ug/l  | 2.0  | --  | 1               |
| n-Butylbenzene                          | ND     |           | ug/l  | 2.0  | --  | 1               |
| sec-Butylbenzene                        | ND     |           | ug/l  | 2.0  | --  | 1               |
| tert-Butylbenzene                       | ND     |           | ug/l  | 2.0  | --  | 1               |
| o-Chlorotoluene                         | ND     |           | ug/l  | 2.0  | --  | 1               |
| p-Chlorotoluene                         | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,2-Dibromo-3-chloropropane             | ND     |           | ug/l  | 2.0  | --  | 1               |
| Hexachlorobutadiene                     | ND     |           | ug/l  | 0.60 | --  | 1               |
| Isopropylbenzene                        | ND     |           | ug/l  | 2.0  | --  | 1               |
| p-Isopropyltoluene                      | ND     |           | ug/l  | 2.0  | --  | 1               |
| Naphthalene                             | ND     |           | ug/l  | 2.0  | --  | 1               |
| n-Propylbenzene                         | ND     |           | ug/l  | 2.0  | --  | 1               |

Project Name: TRURO DPW

Lab Number: L2446578

Project Number: TRU250P2

Report Date: 08/26/24

## SAMPLE RESULTS

Lab ID: L2446578-01

Date Collected: 08/14/24 12:00

Client ID: MW-1

Date Received: 08/15/24

Sample Location: TRURO, MA

Field Prep: Refer to COC

Sample Depth:

| Parameter                               | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|-----------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Volatile Organics - Westborough Lab |        |           |       |     |     |                 |
| 1,2,3-Trichlorobenzene                  | ND     |           | ug/l  | 2.0 | --  | 1               |
| 1,2,4-Trichlorobenzene                  | ND     |           | ug/l  | 2.0 | --  | 1               |
| 1,3,5-Trimethylbenzene                  | ND     |           | ug/l  | 2.0 | --  | 1               |
| 1,2,4-Trimethylbenzene                  | ND     |           | ug/l  | 2.0 | --  | 1               |
| Diethyl ether                           | ND     |           | ug/l  | 2.0 | --  | 1               |
| Diisopropyl Ether                       | ND     |           | ug/l  | 2.0 | --  | 1               |
| Ethyl-Tert-Butyl-Ether                  | ND     |           | ug/l  | 2.0 | --  | 1               |
| Tertiary-Amyl Methyl Ether              | ND     |           | ug/l  | 2.0 | --  | 1               |
| 1,4-Dioxane                             | ND     |           | ug/l  | 250 | --  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 134        | Q         | 70-130              |
| Toluene-d8            | 101        |           | 70-130              |
| 4-Bromofluorobenzene  | 92         |           | 70-130              |
| Dibromofluoromethane  | 121        |           | 70-130              |

**Project Name:** TRURO DPW  
**Project Number:** TRU250P2

**Lab Number:** L2446578  
**Report Date:** 08/26/24

**SAMPLE RESULTS**

Lab ID: L2446578-02  
 Client ID: MW-2  
 Sample Location: TRURO, MA

Date Collected: 08/14/24 10:30  
 Date Received: 08/15/24  
 Field Prep: Refer to COC

Sample Depth:  
 Matrix: Water  
 Analytical Method: 1,8011  
 Analytical Date: 08/21/24 14:30  
 Analyst: JKH

Extraction Method: EPA 8011  
 Extraction Date: 08/21/24 10:42

| Parameter                                 | Result | Qualifier | Units | RL    | MDL | Dilution Factor | Column |
|-------------------------------------------|--------|-----------|-------|-------|-----|-----------------|--------|
| Microextractables by GC - Westborough Lab |        |           |       |       |     |                 |        |
| 1,2-Dibromoethane                         | ND     |           | ug/l  | 0.010 | --  | 1               | A      |
| 1,2-Dibromo-3-chloropropane               | ND     |           | ug/l  | 0.010 | --  | 1               | A      |

Project Name: TRURO DPW

Lab Number: L2446578

Project Number: TRU250P2

Report Date: 08/26/24

## SAMPLE RESULTS

Lab ID: L2446578-02

Date Collected: 08/14/24 10:30

Client ID: MW-2

Date Received: 08/15/24

Sample Location: TRURO, MA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Analytical Method: 141,8260D

Analytical Date: 08/21/24 12:02

Analyst: MCM

| Parameter                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|-----------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics - Westborough Lab |        |           |       |      |     |                 |
| Methylene chloride                      | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,1-Dichloroethane                      | ND     |           | ug/l  | 1.0  | --  | 1               |
| Chloroform                              | ND     |           | ug/l  | 1.0  | --  | 1               |
| Carbon tetrachloride                    | ND     |           | ug/l  | 1.0  | --  | 1               |
| 1,2-Dichloropropane                     | ND     |           | ug/l  | 1.0  | --  | 1               |
| Dibromochloromethane                    | ND     |           | ug/l  | 1.0  | --  | 1               |
| 1,1,2-Trichloroethane                   | ND     |           | ug/l  | 1.0  | --  | 1               |
| Tetrachloroethene                       | ND     |           | ug/l  | 1.0  | --  | 1               |
| Chlorobenzene                           | ND     |           | ug/l  | 1.0  | --  | 1               |
| Trichlorofluoromethane                  | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,2-Dichloroethane                      | ND     |           | ug/l  | 1.0  | --  | 1               |
| 1,1,1-Trichloroethane                   | ND     |           | ug/l  | 1.0  | --  | 1               |
| Bromodichloromethane                    | ND     |           | ug/l  | 1.0  | --  | 1               |
| trans-1,3-Dichloropropene               | ND     |           | ug/l  | 0.40 | --  | 1               |
| cis-1,3-Dichloropropene                 | ND     |           | ug/l  | 0.40 | --  | 1               |
| 1,3-Dichloropropene, Total              | ND     |           | ug/l  | 0.40 | --  | 1               |
| 1,1-Dichloropropene                     | ND     |           | ug/l  | 2.0  | --  | 1               |
| Bromoform                               | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,1,2,2-Tetrachloroethane               | ND     |           | ug/l  | 1.0  | --  | 1               |
| Benzene                                 | ND     |           | ug/l  | 0.50 | --  | 1               |
| Toluene                                 | ND     |           | ug/l  | 1.0  | --  | 1               |
| Ethylbenzene                            | ND     |           | ug/l  | 1.0  | --  | 1               |
| Chloromethane                           | ND     |           | ug/l  | 2.0  | --  | 1               |
| Bromomethane                            | ND     |           | ug/l  | 2.0  | --  | 1               |
| Vinyl chloride                          | ND     |           | ug/l  | 1.0  | --  | 1               |
| Chloroethane                            | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,1-Dichloroethene                      | ND     |           | ug/l  | 1.0  | --  | 1               |
| trans-1,2-Dichloroethene                | ND     |           | ug/l  | 1.0  | --  | 1               |

Project Name: TRURO DPW

Lab Number: L2446578

Project Number: TRU250P2

Report Date: 08/26/24

## SAMPLE RESULTS

Lab ID: L2446578-02

Date Collected: 08/14/24 10:30

Client ID: MW-2

Date Received: 08/15/24

Sample Location: TRURO, MA

Field Prep: Refer to COC

Sample Depth:

| Parameter                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|-----------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics - Westborough Lab |        |           |       |      |     |                 |
| Trichloroethene                         | ND     |           | ug/l  | 1.0  | --  | 1               |
| 1,2-Dichlorobenzene                     | ND     |           | ug/l  | 1.0  | --  | 1               |
| 1,3-Dichlorobenzene                     | ND     |           | ug/l  | 1.0  | --  | 1               |
| 1,4-Dichlorobenzene                     | ND     |           | ug/l  | 1.0  | --  | 1               |
| Methyl tert butyl ether                 | ND     |           | ug/l  | 2.0  | --  | 1               |
| p/m-Xylene                              | ND     |           | ug/l  | 2.0  | --  | 1               |
| o-Xylene                                | ND     |           | ug/l  | 1.0  | --  | 1               |
| Xylenes, Total                          | ND     |           | ug/l  | 1.0  | --  | 1               |
| cis-1,2-Dichloroethene                  | ND     |           | ug/l  | 1.0  | --  | 1               |
| 1,2-Dichloroethene, Total               | ND     |           | ug/l  | 1.0  | --  | 1               |
| Dibromomethane                          | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,2,3-Trichloropropane                  | ND     |           | ug/l  | 2.0  | --  | 1               |
| Styrene                                 | ND     |           | ug/l  | 1.0  | --  | 1               |
| Dichlorodifluoromethane                 | ND     |           | ug/l  | 2.0  | --  | 1               |
| Acetone                                 | ND     |           | ug/l  | 5.0  | --  | 1               |
| Carbon disulfide                        | ND     |           | ug/l  | 2.0  | --  | 1               |
| Methyl ethyl ketone                     | ND     |           | ug/l  | 5.0  | --  | 1               |
| Methyl isobutyl ketone                  | ND     |           | ug/l  | 5.0  | --  | 1               |
| 2-Hexanone                              | ND     |           | ug/l  | 5.0  | --  | 1               |
| Bromochloromethane                      | ND     |           | ug/l  | 2.0  | --  | 1               |
| Tetrahydrofuran                         | ND     |           | ug/l  | 2.0  | --  | 1               |
| 2,2-Dichloropropane                     | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,2-Dibromoethane                       | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,3-Dichloropropane                     | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,1,1,2-Tetrachloroethane               | ND     |           | ug/l  | 1.0  | --  | 1               |
| Bromobenzene                            | ND     |           | ug/l  | 2.0  | --  | 1               |
| n-Butylbenzene                          | ND     |           | ug/l  | 2.0  | --  | 1               |
| sec-Butylbenzene                        | ND     |           | ug/l  | 2.0  | --  | 1               |
| tert-Butylbenzene                       | ND     |           | ug/l  | 2.0  | --  | 1               |
| o-Chlorotoluene                         | ND     |           | ug/l  | 2.0  | --  | 1               |
| p-Chlorotoluene                         | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,2-Dibromo-3-chloropropane             | ND     |           | ug/l  | 2.0  | --  | 1               |
| Hexachlorobutadiene                     | ND     |           | ug/l  | 0.60 | --  | 1               |
| Isopropylbenzene                        | ND     |           | ug/l  | 2.0  | --  | 1               |
| p-Isopropyltoluene                      | ND     |           | ug/l  | 2.0  | --  | 1               |
| Naphthalene                             | ND     |           | ug/l  | 2.0  | --  | 1               |
| n-Propylbenzene                         | ND     |           | ug/l  | 2.0  | --  | 1               |

**Project Name:** TRURO DPW  
**Project Number:** TRU250P2

**Lab Number:** L2446578  
**Report Date:** 08/26/24

**SAMPLE RESULTS**

**Lab ID:** L2446578-02  
**Client ID:** MW-2  
**Sample Location:** TRURO, MA

**Date Collected:** 08/14/24 10:30  
**Date Received:** 08/15/24  
**Field Prep:** Refer to COC

Sample Depth:

| Parameter                               | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|-----------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Volatile Organics - Westborough Lab |        |           |       |     |     |                 |
| 1,2,3-Trichlorobenzene                  | ND     |           | ug/l  | 2.0 | --  | 1               |
| 1,2,4-Trichlorobenzene                  | ND     |           | ug/l  | 2.0 | --  | 1               |
| 1,3,5-Trimethylbenzene                  | ND     |           | ug/l  | 2.0 | --  | 1               |
| 1,2,4-Trimethylbenzene                  | ND     |           | ug/l  | 2.0 | --  | 1               |
| Diethyl ether                           | ND     |           | ug/l  | 2.0 | --  | 1               |
| Diisopropyl Ether                       | ND     |           | ug/l  | 2.0 | --  | 1               |
| Ethyl-Tert-Butyl-Ether                  | ND     |           | ug/l  | 2.0 | --  | 1               |
| Tertiary-Amyl Methyl Ether              | ND     |           | ug/l  | 2.0 | --  | 1               |
| 1,4-Dioxane                             | ND     |           | ug/l  | 250 | --  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 131        | Q         | 70-130              |
| Toluene-d8            | 101        |           | 70-130              |
| 4-Bromofluorobenzene  | 91         |           | 70-130              |
| Dibromofluoromethane  | 123        |           | 70-130              |

**Project Name:** TRURO DPW**Project Number:** TRU250P2**Lab Number:** L2446578**Report Date:** 08/26/24**SAMPLE RESULTS**

Lab ID: L2446578-03

Client ID: MW-3

Sample Location: TRURO, MA

Date Collected: 08/14/24 13:30

Date Received: 08/15/24

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Analytical Method: 1,8011

Analytical Date: 08/21/24 14:38

Analyst: JKH

Extraction Method: EPA 8011

Extraction Date: 08/21/24 10:42

| Parameter                                 | Result | Qualifier | Units | RL    | MDL | Dilution Factor | Column |
|-------------------------------------------|--------|-----------|-------|-------|-----|-----------------|--------|
| Microextractables by GC - Westborough Lab |        |           |       |       |     |                 |        |
| 1,2-Dibromoethane                         | ND     |           | ug/l  | 0.010 | --  | 1               | A      |
| 1,2-Dibromo-3-chloropropane               | ND     |           | ug/l  | 0.010 | --  | 1               | A      |

Project Name: TRURO DPW

Lab Number: L2446578

Project Number: TRU250P2

Report Date: 08/26/24

## SAMPLE RESULTS

Lab ID: L2446578-03

Date Collected: 08/14/24 13:30

Client ID: MW-3

Date Received: 08/15/24

Sample Location: TRURO, MA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Analytical Method: 141,8260D

Analytical Date: 08/21/24 12:25

Analyst: MCM

| Parameter                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|-----------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics - Westborough Lab |        |           |       |      |     |                 |
| Methylene chloride                      | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,1-Dichloroethane                      | ND     |           | ug/l  | 1.0  | --  | 1               |
| Chloroform                              | ND     |           | ug/l  | 1.0  | --  | 1               |
| Carbon tetrachloride                    | ND     |           | ug/l  | 1.0  | --  | 1               |
| 1,2-Dichloropropane                     | ND     |           | ug/l  | 1.0  | --  | 1               |
| Dibromochloromethane                    | ND     |           | ug/l  | 1.0  | --  | 1               |
| 1,1,2-Trichloroethane                   | ND     |           | ug/l  | 1.0  | --  | 1               |
| Tetrachloroethene                       | ND     |           | ug/l  | 1.0  | --  | 1               |
| Chlorobenzene                           | ND     |           | ug/l  | 1.0  | --  | 1               |
| Trichlorofluoromethane                  | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,2-Dichloroethane                      | ND     |           | ug/l  | 1.0  | --  | 1               |
| 1,1,1-Trichloroethane                   | ND     |           | ug/l  | 1.0  | --  | 1               |
| Bromodichloromethane                    | ND     |           | ug/l  | 1.0  | --  | 1               |
| trans-1,3-Dichloropropene               | ND     |           | ug/l  | 0.40 | --  | 1               |
| cis-1,3-Dichloropropene                 | ND     |           | ug/l  | 0.40 | --  | 1               |
| 1,3-Dichloropropene, Total              | ND     |           | ug/l  | 0.40 | --  | 1               |
| 1,1-Dichloropropene                     | ND     |           | ug/l  | 2.0  | --  | 1               |
| Bromoform                               | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,1,2,2-Tetrachloroethane               | ND     |           | ug/l  | 1.0  | --  | 1               |
| Benzene                                 | ND     |           | ug/l  | 0.50 | --  | 1               |
| Toluene                                 | ND     |           | ug/l  | 1.0  | --  | 1               |
| Ethylbenzene                            | ND     |           | ug/l  | 1.0  | --  | 1               |
| Chloromethane                           | ND     |           | ug/l  | 2.0  | --  | 1               |
| Bromomethane                            | ND     |           | ug/l  | 2.0  | --  | 1               |
| Vinyl chloride                          | ND     |           | ug/l  | 1.0  | --  | 1               |
| Chloroethane                            | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,1-Dichloroethene                      | ND     |           | ug/l  | 1.0  | --  | 1               |
| trans-1,2-Dichloroethene                | ND     |           | ug/l  | 1.0  | --  | 1               |



Project Name: TRURO DPW

Lab Number: L2446578

Project Number: TRU250P2

Report Date: 08/26/24

## SAMPLE RESULTS

Lab ID: L2446578-03

Date Collected: 08/14/24 13:30

Client ID: MW-3

Date Received: 08/15/24

Sample Location: TRURO, MA

Field Prep: Refer to COC

Sample Depth:

| Parameter                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|-----------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics - Westborough Lab |        |           |       |      |     |                 |
| Trichloroethene                         | ND     |           | ug/l  | 1.0  | --  | 1               |
| 1,2-Dichlorobenzene                     | ND     |           | ug/l  | 1.0  | --  | 1               |
| 1,3-Dichlorobenzene                     | ND     |           | ug/l  | 1.0  | --  | 1               |
| 1,4-Dichlorobenzene                     | ND     |           | ug/l  | 1.0  | --  | 1               |
| Methyl tert butyl ether                 | ND     |           | ug/l  | 2.0  | --  | 1               |
| p/m-Xylene                              | ND     |           | ug/l  | 2.0  | --  | 1               |
| o-Xylene                                | ND     |           | ug/l  | 1.0  | --  | 1               |
| Xylenes, Total                          | ND     |           | ug/l  | 1.0  | --  | 1               |
| cis-1,2-Dichloroethene                  | ND     |           | ug/l  | 1.0  | --  | 1               |
| 1,2-Dichloroethene, Total               | ND     |           | ug/l  | 1.0  | --  | 1               |
| Dibromomethane                          | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,2,3-Trichloropropane                  | ND     |           | ug/l  | 2.0  | --  | 1               |
| Styrene                                 | ND     |           | ug/l  | 1.0  | --  | 1               |
| Dichlorodifluoromethane                 | ND     |           | ug/l  | 2.0  | --  | 1               |
| Acetone                                 | ND     |           | ug/l  | 5.0  | --  | 1               |
| Carbon disulfide                        | ND     |           | ug/l  | 2.0  | --  | 1               |
| Methyl ethyl ketone                     | ND     |           | ug/l  | 5.0  | --  | 1               |
| Methyl isobutyl ketone                  | ND     |           | ug/l  | 5.0  | --  | 1               |
| 2-Hexanone                              | ND     |           | ug/l  | 5.0  | --  | 1               |
| Bromochloromethane                      | ND     |           | ug/l  | 2.0  | --  | 1               |
| Tetrahydrofuran                         | ND     |           | ug/l  | 2.0  | --  | 1               |
| 2,2-Dichloropropane                     | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,2-Dibromoethane                       | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,3-Dichloropropane                     | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,1,1,2-Tetrachloroethane               | ND     |           | ug/l  | 1.0  | --  | 1               |
| Bromobenzene                            | ND     |           | ug/l  | 2.0  | --  | 1               |
| n-Butylbenzene                          | ND     |           | ug/l  | 2.0  | --  | 1               |
| sec-Butylbenzene                        | ND     |           | ug/l  | 2.0  | --  | 1               |
| tert-Butylbenzene                       | ND     |           | ug/l  | 2.0  | --  | 1               |
| o-Chlorotoluene                         | ND     |           | ug/l  | 2.0  | --  | 1               |
| p-Chlorotoluene                         | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,2-Dibromo-3-chloropropane             | ND     |           | ug/l  | 2.0  | --  | 1               |
| Hexachlorobutadiene                     | ND     |           | ug/l  | 0.60 | --  | 1               |
| Isopropylbenzene                        | ND     |           | ug/l  | 2.0  | --  | 1               |
| p-Isopropyltoluene                      | ND     |           | ug/l  | 2.0  | --  | 1               |
| Naphthalene                             | ND     |           | ug/l  | 2.0  | --  | 1               |
| n-Propylbenzene                         | ND     |           | ug/l  | 2.0  | --  | 1               |

**Project Name:** TRURO DPW  
**Project Number:** TRU250P2

**Lab Number:** L2446578  
**Report Date:** 08/26/24

**SAMPLE RESULTS**

**Lab ID:** L2446578-03  
**Client ID:** MW-3  
**Sample Location:** TRURO, MA

**Date Collected:** 08/14/24 13:30  
**Date Received:** 08/15/24  
**Field Prep:** Refer to COC

Sample Depth:

| Parameter                               | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|-----------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Volatile Organics - Westborough Lab |        |           |       |     |     |                 |
| 1,2,3-Trichlorobenzene                  | ND     |           | ug/l  | 2.0 | --  | 1               |
| 1,2,4-Trichlorobenzene                  | ND     |           | ug/l  | 2.0 | --  | 1               |
| 1,3,5-Trimethylbenzene                  | ND     |           | ug/l  | 2.0 | --  | 1               |
| 1,2,4-Trimethylbenzene                  | ND     |           | ug/l  | 2.0 | --  | 1               |
| Diethyl ether                           | ND     |           | ug/l  | 2.0 | --  | 1               |
| Diisopropyl Ether                       | ND     |           | ug/l  | 2.0 | --  | 1               |
| Ethyl-Tert-Butyl-Ether                  | ND     |           | ug/l  | 2.0 | --  | 1               |
| Tertiary-Amyl Methyl Ether              | ND     |           | ug/l  | 2.0 | --  | 1               |
| 1,4-Dioxane                             | ND     |           | ug/l  | 250 | --  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 125        |           | 70-130              |
| Toluene-d8            | 101        |           | 70-130              |
| 4-Bromofluorobenzene  | 89         |           | 70-130              |
| Dibromofluoromethane  | 121        |           | 70-130              |

**Project Name:** TRURO DPW**Lab Number:** L2446578**Project Number:** TRU250P2**Report Date:** 08/26/24**SAMPLE RESULTS**

Lab ID: L2446578-04

Date Collected: 08/15/24 12:00

Client ID: MW-4

Date Received: 08/15/24

Sample Location: TRURO, MA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Extraction Method: EPA 8011

Analytical Method: 1,8011

Extraction Date: 08/21/24 10:42

Analytical Date: 08/21/24 14:46

Analyst: JKH

| Parameter                                 | Result | Qualifier | Units | RL    | MDL | Dilution Factor | Column |
|-------------------------------------------|--------|-----------|-------|-------|-----|-----------------|--------|
| Microextractables by GC - Westborough Lab |        |           |       |       |     |                 |        |
| 1,2-Dibromoethane                         | ND     |           | ug/l  | 0.010 | --  | 1               | A      |
| 1,2-Dibromo-3-chloropropane               | ND     |           | ug/l  | 0.010 | --  | 1               | A      |

Project Name: TRURO DPW

Lab Number: L2446578

Project Number: TRU250P2

Report Date: 08/26/24

## SAMPLE RESULTS

Lab ID: L2446578-04

Date Collected: 08/15/24 12:00

Client ID: MW-4

Date Received: 08/15/24

Sample Location: TRURO, MA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Analytical Method: 141,8260D

Analytical Date: 08/21/24 09:14

Analyst: MCM

| Parameter                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|-----------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics - Westborough Lab |        |           |       |      |     |                 |
| Methylene chloride                      | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,1-Dichloroethane                      | ND     |           | ug/l  | 1.0  | --  | 1               |
| Chloroform                              | ND     |           | ug/l  | 1.0  | --  | 1               |
| Carbon tetrachloride                    | ND     |           | ug/l  | 1.0  | --  | 1               |
| 1,2-Dichloropropane                     | ND     |           | ug/l  | 1.0  | --  | 1               |
| Dibromochloromethane                    | ND     |           | ug/l  | 1.0  | --  | 1               |
| 1,1,2-Trichloroethane                   | ND     |           | ug/l  | 1.0  | --  | 1               |
| Tetrachloroethene                       | ND     |           | ug/l  | 1.0  | --  | 1               |
| Chlorobenzene                           | ND     |           | ug/l  | 1.0  | --  | 1               |
| Trichlorofluoromethane                  | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,2-Dichloroethane                      | ND     |           | ug/l  | 1.0  | --  | 1               |
| 1,1,1-Trichloroethane                   | ND     |           | ug/l  | 1.0  | --  | 1               |
| Bromodichloromethane                    | ND     |           | ug/l  | 1.0  | --  | 1               |
| trans-1,3-Dichloropropene               | ND     |           | ug/l  | 0.40 | --  | 1               |
| cis-1,3-Dichloropropene                 | ND     |           | ug/l  | 0.40 | --  | 1               |
| 1,3-Dichloropropene, Total              | ND     |           | ug/l  | 0.40 | --  | 1               |
| 1,1-Dichloropropene                     | ND     |           | ug/l  | 2.0  | --  | 1               |
| Bromoform                               | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,1,2,2-Tetrachloroethane               | ND     |           | ug/l  | 1.0  | --  | 1               |
| Benzene                                 | ND     |           | ug/l  | 0.50 | --  | 1               |
| Toluene                                 | ND     |           | ug/l  | 1.0  | --  | 1               |
| Ethylbenzene                            | ND     |           | ug/l  | 1.0  | --  | 1               |
| Chloromethane                           | ND     |           | ug/l  | 2.0  | --  | 1               |
| Bromomethane                            | ND     |           | ug/l  | 2.0  | --  | 1               |
| Vinyl chloride                          | ND     |           | ug/l  | 1.0  | --  | 1               |
| Chloroethane                            | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,1-Dichloroethene                      | ND     |           | ug/l  | 1.0  | --  | 1               |
| trans-1,2-Dichloroethene                | ND     |           | ug/l  | 1.0  | --  | 1               |

Project Name: TRURO DPW

Lab Number: L2446578

Project Number: TRU250P2

Report Date: 08/26/24

## SAMPLE RESULTS

Lab ID: L2446578-04

Date Collected: 08/15/24 12:00

Client ID: MW-4

Date Received: 08/15/24

Sample Location: TRURO, MA

Field Prep: Refer to COC

Sample Depth:

| Parameter                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|-----------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics - Westborough Lab |        |           |       |      |     |                 |
| Trichloroethene                         | ND     |           | ug/l  | 1.0  | --  | 1               |
| 1,2-Dichlorobenzene                     | ND     |           | ug/l  | 1.0  | --  | 1               |
| 1,3-Dichlorobenzene                     | ND     |           | ug/l  | 1.0  | --  | 1               |
| 1,4-Dichlorobenzene                     | ND     |           | ug/l  | 1.0  | --  | 1               |
| Methyl tert butyl ether                 | ND     |           | ug/l  | 2.0  | --  | 1               |
| p/m-Xylene                              | ND     |           | ug/l  | 2.0  | --  | 1               |
| o-Xylene                                | ND     |           | ug/l  | 1.0  | --  | 1               |
| Xylenes, Total                          | ND     |           | ug/l  | 1.0  | --  | 1               |
| cis-1,2-Dichloroethene                  | ND     |           | ug/l  | 1.0  | --  | 1               |
| 1,2-Dichloroethene, Total               | ND     |           | ug/l  | 1.0  | --  | 1               |
| Dibromomethane                          | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,2,3-Trichloropropane                  | ND     |           | ug/l  | 2.0  | --  | 1               |
| Styrene                                 | ND     |           | ug/l  | 1.0  | --  | 1               |
| Dichlorodifluoromethane                 | ND     |           | ug/l  | 2.0  | --  | 1               |
| Acetone                                 | ND     |           | ug/l  | 5.0  | --  | 1               |
| Carbon disulfide                        | ND     |           | ug/l  | 2.0  | --  | 1               |
| Methyl ethyl ketone                     | ND     |           | ug/l  | 5.0  | --  | 1               |
| Methyl isobutyl ketone                  | ND     |           | ug/l  | 5.0  | --  | 1               |
| 2-Hexanone                              | ND     |           | ug/l  | 5.0  | --  | 1               |
| Bromochloromethane                      | ND     |           | ug/l  | 2.0  | --  | 1               |
| Tetrahydrofuran                         | ND     |           | ug/l  | 2.0  | --  | 1               |
| 2,2-Dichloropropane                     | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,2-Dibromoethane                       | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,3-Dichloropropane                     | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,1,1,2-Tetrachloroethane               | ND     |           | ug/l  | 1.0  | --  | 1               |
| Bromobenzene                            | ND     |           | ug/l  | 2.0  | --  | 1               |
| n-Butylbenzene                          | ND     |           | ug/l  | 2.0  | --  | 1               |
| sec-Butylbenzene                        | ND     |           | ug/l  | 2.0  | --  | 1               |
| tert-Butylbenzene                       | ND     |           | ug/l  | 2.0  | --  | 1               |
| o-Chlorotoluene                         | ND     |           | ug/l  | 2.0  | --  | 1               |
| p-Chlorotoluene                         | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,2-Dibromo-3-chloropropane             | ND     |           | ug/l  | 2.0  | --  | 1               |
| Hexachlorobutadiene                     | ND     |           | ug/l  | 0.60 | --  | 1               |
| Isopropylbenzene                        | ND     |           | ug/l  | 2.0  | --  | 1               |
| p-Isopropyltoluene                      | ND     |           | ug/l  | 2.0  | --  | 1               |
| Naphthalene                             | ND     |           | ug/l  | 2.0  | --  | 1               |
| n-Propylbenzene                         | ND     |           | ug/l  | 2.0  | --  | 1               |

**Project Name:** TRURO DPW  
**Project Number:** TRU250P2

**Lab Number:** L2446578  
**Report Date:** 08/26/24

**SAMPLE RESULTS**

**Lab ID:** L2446578-04  
**Client ID:** MW-4  
**Sample Location:** TRURO, MA

**Date Collected:** 08/15/24 12:00  
**Date Received:** 08/15/24  
**Field Prep:** Refer to COC

Sample Depth:

| Parameter                               | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|-----------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Volatile Organics - Westborough Lab |        |           |       |     |     |                 |
| 1,2,3-Trichlorobenzene                  | ND     |           | ug/l  | 2.0 | --  | 1               |
| 1,2,4-Trichlorobenzene                  | ND     |           | ug/l  | 2.0 | --  | 1               |
| 1,3,5-Trimethylbenzene                  | ND     |           | ug/l  | 2.0 | --  | 1               |
| 1,2,4-Trimethylbenzene                  | ND     |           | ug/l  | 2.0 | --  | 1               |
| Diethyl ether                           | ND     |           | ug/l  | 2.0 | --  | 1               |
| Diisopropyl Ether                       | ND     |           | ug/l  | 2.0 | --  | 1               |
| Ethyl-Tert-Butyl-Ether                  | ND     |           | ug/l  | 2.0 | --  | 1               |
| Tertiary-Amyl Methyl Ether              | ND     |           | ug/l  | 2.0 | --  | 1               |
| 1,4-Dioxane                             | ND     |           | ug/l  | 250 | --  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 109        |           | 70-130              |
| Toluene-d8            | 101        |           | 70-130              |
| 4-Bromofluorobenzene  | 99         |           | 70-130              |
| Dibromofluoromethane  | 110        |           | 70-130              |

**Project Name:** TRURO DPW  
**Project Number:** TRU250P2

**Lab Number:** L2446578  
**Report Date:** 08/26/24

**SAMPLE RESULTS**

Lab ID: L2446578-05  
Client ID: MW-5  
Sample Location: TRURO, MA

Date Collected: 08/14/24 09:00  
Date Received: 08/15/24  
Field Prep: Refer to COC

Sample Depth:  
Matrix: Water  
Analytical Method: 1,8011  
Analytical Date: 08/21/24 14:55  
Analyst: JKH

Extraction Method: EPA 8011  
Extraction Date: 08/21/24 10:42

| Parameter                                 | Result | Qualifier | Units | RL    | MDL | Dilution Factor | Column |
|-------------------------------------------|--------|-----------|-------|-------|-----|-----------------|--------|
| Microextractables by GC - Westborough Lab |        |           |       |       |     |                 |        |
| 1,2-Dibromoethane                         | ND     |           | ug/l  | 0.010 | --  | 1               | A      |
| 1,2-Dibromo-3-chloropropane               | ND     |           | ug/l  | 0.010 | --  | 1               | A      |

**Project Name:** TRURO DPW  
**Project Number:** TRU250P2

**Lab Number:** L2446578  
**Report Date:** 08/26/24

**SAMPLE RESULTS**

**Lab ID:** L2446578-05  
**Client ID:** MW-5  
**Sample Location:** TRURO, MA

**Date Collected:** 08/14/24 09:00  
**Date Received:** 08/15/24  
**Field Prep:** Refer to COC

**Sample Depth:**  
**Matrix:** Water  
**Analytical Method:** 141,8260D  
**Analytical Date:** 08/21/24 08:47  
**Analyst:** MCM

| Parameter                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|-----------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics - Westborough Lab |        |           |       |      |     |                 |
| Methylene chloride                      | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,1-Dichloroethane                      | ND     |           | ug/l  | 1.0  | --  | 1               |
| Chloroform                              | ND     |           | ug/l  | 1.0  | --  | 1               |
| Carbon tetrachloride                    | ND     |           | ug/l  | 1.0  | --  | 1               |
| 1,2-Dichloropropane                     | ND     |           | ug/l  | 1.0  | --  | 1               |
| Dibromochloromethane                    | ND     |           | ug/l  | 1.0  | --  | 1               |
| 1,1,2-Trichloroethane                   | ND     |           | ug/l  | 1.0  | --  | 1               |
| Tetrachloroethene                       | ND     |           | ug/l  | 1.0  | --  | 1               |
| Chlorobenzene                           | ND     |           | ug/l  | 1.0  | --  | 1               |
| Trichlorofluoromethane                  | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,2-Dichloroethane                      | ND     |           | ug/l  | 1.0  | --  | 1               |
| 1,1,1-Trichloroethane                   | ND     |           | ug/l  | 1.0  | --  | 1               |
| Bromodichloromethane                    | ND     |           | ug/l  | 1.0  | --  | 1               |
| trans-1,3-Dichloropropene               | ND     |           | ug/l  | 0.40 | --  | 1               |
| cis-1,3-Dichloropropene                 | ND     |           | ug/l  | 0.40 | --  | 1               |
| 1,3-Dichloropropene, Total              | ND     |           | ug/l  | 0.40 | --  | 1               |
| 1,1-Dichloropropene                     | ND     |           | ug/l  | 2.0  | --  | 1               |
| Bromoform                               | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,1,2,2-Tetrachloroethane               | ND     |           | ug/l  | 1.0  | --  | 1               |
| Benzene                                 | ND     |           | ug/l  | 0.50 | --  | 1               |
| Toluene                                 | ND     |           | ug/l  | 1.0  | --  | 1               |
| Ethylbenzene                            | ND     |           | ug/l  | 1.0  | --  | 1               |
| Chloromethane                           | ND     |           | ug/l  | 2.0  | --  | 1               |
| Bromomethane                            | ND     |           | ug/l  | 2.0  | --  | 1               |
| Vinyl chloride                          | ND     |           | ug/l  | 1.0  | --  | 1               |
| Chloroethane                            | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,1-Dichloroethene                      | ND     |           | ug/l  | 1.0  | --  | 1               |
| trans-1,2-Dichloroethene                | ND     |           | ug/l  | 1.0  | --  | 1               |



Project Name: TRURO DPW

Lab Number: L2446578

Project Number: TRU250P2

Report Date: 08/26/24

## SAMPLE RESULTS

Lab ID: L2446578-05

Date Collected: 08/14/24 09:00

Client ID: MW-5

Date Received: 08/15/24

Sample Location: TRURO, MA

Field Prep: Refer to COC

Sample Depth:

| Parameter                               | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|-----------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Volatile Organics - Westborough Lab |        |           |       |      |     |                 |
| Trichloroethene                         | ND     |           | ug/l  | 1.0  | --  | 1               |
| 1,2-Dichlorobenzene                     | ND     |           | ug/l  | 1.0  | --  | 1               |
| 1,3-Dichlorobenzene                     | ND     |           | ug/l  | 1.0  | --  | 1               |
| 1,4-Dichlorobenzene                     | ND     |           | ug/l  | 1.0  | --  | 1               |
| Methyl tert butyl ether                 | ND     |           | ug/l  | 2.0  | --  | 1               |
| p/m-Xylene                              | ND     |           | ug/l  | 2.0  | --  | 1               |
| o-Xylene                                | ND     |           | ug/l  | 1.0  | --  | 1               |
| Xylenes, Total                          | ND     |           | ug/l  | 1.0  | --  | 1               |
| cis-1,2-Dichloroethene                  | ND     |           | ug/l  | 1.0  | --  | 1               |
| 1,2-Dichloroethene, Total               | ND     |           | ug/l  | 1.0  | --  | 1               |
| Dibromomethane                          | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,2,3-Trichloropropane                  | ND     |           | ug/l  | 2.0  | --  | 1               |
| Styrene                                 | ND     |           | ug/l  | 1.0  | --  | 1               |
| Dichlorodifluoromethane                 | ND     |           | ug/l  | 2.0  | --  | 1               |
| Acetone                                 | ND     |           | ug/l  | 5.0  | --  | 1               |
| Carbon disulfide                        | ND     |           | ug/l  | 2.0  | --  | 1               |
| Methyl ethyl ketone                     | ND     |           | ug/l  | 5.0  | --  | 1               |
| Methyl isobutyl ketone                  | ND     |           | ug/l  | 5.0  | --  | 1               |
| 2-Hexanone                              | ND     |           | ug/l  | 5.0  | --  | 1               |
| Bromochloromethane                      | ND     |           | ug/l  | 2.0  | --  | 1               |
| Tetrahydrofuran                         | ND     |           | ug/l  | 2.0  | --  | 1               |
| 2,2-Dichloropropane                     | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,2-Dibromoethane                       | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,3-Dichloropropane                     | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,1,1,2-Tetrachloroethane               | ND     |           | ug/l  | 1.0  | --  | 1               |
| Bromobenzene                            | ND     |           | ug/l  | 2.0  | --  | 1               |
| n-Butylbenzene                          | ND     |           | ug/l  | 2.0  | --  | 1               |
| sec-Butylbenzene                        | ND     |           | ug/l  | 2.0  | --  | 1               |
| tert-Butylbenzene                       | ND     |           | ug/l  | 2.0  | --  | 1               |
| o-Chlorotoluene                         | ND     |           | ug/l  | 2.0  | --  | 1               |
| p-Chlorotoluene                         | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,2-Dibromo-3-chloropropane             | ND     |           | ug/l  | 2.0  | --  | 1               |
| Hexachlorobutadiene                     | ND     |           | ug/l  | 0.60 | --  | 1               |
| Isopropylbenzene                        | ND     |           | ug/l  | 2.0  | --  | 1               |
| p-Isopropyltoluene                      | ND     |           | ug/l  | 2.0  | --  | 1               |
| Naphthalene                             | ND     |           | ug/l  | 2.0  | --  | 1               |
| n-Propylbenzene                         | ND     |           | ug/l  | 2.0  | --  | 1               |

**Project Name:** TRURO DPW  
**Project Number:** TRU250P2

**Lab Number:** L2446578  
**Report Date:** 08/26/24

**SAMPLE RESULTS**

**Lab ID:** L2446578-05  
**Client ID:** MW-5  
**Sample Location:** TRURO, MA

**Date Collected:** 08/14/24 09:00  
**Date Received:** 08/15/24  
**Field Prep:** Refer to COC

Sample Depth:

| Parameter                               | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|-----------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Volatile Organics - Westborough Lab |        |           |       |     |     |                 |
| 1,2,3-Trichlorobenzene                  | ND     |           | ug/l  | 2.0 | --  | 1               |
| 1,2,4-Trichlorobenzene                  | ND     |           | ug/l  | 2.0 | --  | 1               |
| 1,3,5-Trimethylbenzene                  | ND     |           | ug/l  | 2.0 | --  | 1               |
| 1,2,4-Trimethylbenzene                  | ND     |           | ug/l  | 2.0 | --  | 1               |
| Diethyl ether                           | ND     |           | ug/l  | 2.0 | --  | 1               |
| Diisopropyl Ether                       | ND     |           | ug/l  | 2.0 | --  | 1               |
| Ethyl-Tert-Butyl-Ether                  | ND     |           | ug/l  | 2.0 | --  | 1               |
| Tertiary-Amyl Methyl Ether              | ND     |           | ug/l  | 2.0 | --  | 1               |
| 1,4-Dioxane                             | ND     |           | ug/l  | 250 | --  | 1               |

| Surrogate             | % Recovery | Qualifier | Acceptance Criteria |
|-----------------------|------------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 105        |           | 70-130              |
| Toluene-d8            | 99         |           | 70-130              |
| 4-Bromofluorobenzene  | 99         |           | 70-130              |
| Dibromofluoromethane  | 107        |           | 70-130              |

**Project Name:** TRURO DPW**Project Number:** TRU250P2**Lab Number:** L2446578**Report Date:** 08/26/24**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8011  
Analytical Date: 08/20/24 12:44  
Analyst: JKH

Extraction Method: EPA 8011  
Extraction Date: 08/20/24 09:09

| Parameter                                                                      | Result | Qualifier | Units | RL    | MDL  |
|--------------------------------------------------------------------------------|--------|-----------|-------|-------|------|
| Microextractables by GC - Westborough Lab for sample(s): 01 Batch: WG1961396-1 |        |           |       |       |      |
| 1,2-Dibromoethane                                                              | ND     |           | ug/l  | 0.010 | -- A |
| 1,2-Dibromo-3-chloropropane                                                    | ND     |           | ug/l  | 0.010 | -- A |

**Project Name:** TRURO DPW**Project Number:** TRU250P2**Lab Number:** L2446578**Report Date:** 08/26/24**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8011  
Analytical Date: 08/21/24 13:58  
Analyst: JKH

Extraction Method: EPA 8011  
Extraction Date: 08/21/24 10:42

| Parameter                                                                         | Result | Qualifier | Units | RL    | MDL  |
|-----------------------------------------------------------------------------------|--------|-----------|-------|-------|------|
| Microextractables by GC - Westborough Lab for sample(s): 02-05 Batch: WG1962033-1 |        |           |       |       |      |
| 1,2-Dibromoethane                                                                 | ND     |           | ug/l  | 0.010 | -- A |
| 1,2-Dibromo-3-chloropropane                                                       | ND     |           | ug/l  | 0.010 | -- A |

Project Name: TRURO DPW

Lab Number: L2446578

Project Number: TRU250P2

Report Date: 08/26/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 141,8260D  
 Analytical Date: 08/21/24 09:19  
 Analyst: MCM

| Parameter                                                                       | Result | Qualifier | Units | RL   | MDL |
|---------------------------------------------------------------------------------|--------|-----------|-------|------|-----|
| MCP Volatile Organics - Westborough Lab for sample(s): 01-03 Batch: WG1962487-5 |        |           |       |      |     |
| Methylene chloride                                                              | ND     |           | ug/l  | 2.0  | --  |
| 1,1-Dichloroethane                                                              | ND     |           | ug/l  | 1.0  | --  |
| Chloroform                                                                      | ND     |           | ug/l  | 1.0  | --  |
| Carbon tetrachloride                                                            | ND     |           | ug/l  | 1.0  | --  |
| 1,2-Dichloropropane                                                             | ND     |           | ug/l  | 1.0  | --  |
| Dibromochloromethane                                                            | ND     |           | ug/l  | 1.0  | --  |
| 1,1,2-Trichloroethane                                                           | ND     |           | ug/l  | 1.0  | --  |
| Tetrachloroethene                                                               | ND     |           | ug/l  | 1.0  | --  |
| Chlorobenzene                                                                   | ND     |           | ug/l  | 1.0  | --  |
| Trichlorofluoromethane                                                          | ND     |           | ug/l  | 2.0  | --  |
| 1,2-Dichloroethane                                                              | ND     |           | ug/l  | 1.0  | --  |
| 1,1,1-Trichloroethane                                                           | ND     |           | ug/l  | 1.0  | --  |
| Bromodichloromethane                                                            | ND     |           | ug/l  | 1.0  | --  |
| trans-1,3-Dichloropropene                                                       | ND     |           | ug/l  | 0.40 | --  |
| cis-1,3-Dichloropropene                                                         | ND     |           | ug/l  | 0.40 | --  |
| 1,3-Dichloropropene, Total                                                      | ND     |           | ug/l  | 0.40 | --  |
| 1,1-Dichloropropene                                                             | ND     |           | ug/l  | 2.0  | --  |
| Bromoform                                                                       | ND     |           | ug/l  | 2.0  | --  |
| 1,1,2,2-Tetrachloroethane                                                       | ND     |           | ug/l  | 1.0  | --  |
| Benzene                                                                         | ND     |           | ug/l  | 0.50 | --  |
| Toluene                                                                         | ND     |           | ug/l  | 1.0  | --  |
| Ethylbenzene                                                                    | ND     |           | ug/l  | 1.0  | --  |
| Chloromethane                                                                   | ND     |           | ug/l  | 2.0  | --  |
| Bromomethane                                                                    | ND     |           | ug/l  | 2.0  | --  |
| Vinyl chloride                                                                  | ND     |           | ug/l  | 1.0  | --  |
| Chloroethane                                                                    | ND     |           | ug/l  | 2.0  | --  |
| 1,1-Dichloroethene                                                              | ND     |           | ug/l  | 1.0  | --  |
| trans-1,2-Dichloroethene                                                        | ND     |           | ug/l  | 1.0  | --  |
| Trichloroethene                                                                 | ND     |           | ug/l  | 1.0  | --  |

Project Name: TRURO DPW

Lab Number: L2446578

Project Number: TRU250P2

Report Date: 08/26/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 141,8260D  
 Analytical Date: 08/21/24 09:19  
 Analyst: MCM

| Parameter                                                                       | Result | Qualifier | Units | RL  | MDL |
|---------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| MCP Volatile Organics - Westborough Lab for sample(s): 01-03 Batch: WG1962487-5 |        |           |       |     |     |
| 1,2-Dichlorobenzene                                                             | ND     |           | ug/l  | 1.0 | --  |
| 1,3-Dichlorobenzene                                                             | ND     |           | ug/l  | 1.0 | --  |
| 1,4-Dichlorobenzene                                                             | ND     |           | ug/l  | 1.0 | --  |
| Methyl tert butyl ether                                                         | ND     |           | ug/l  | 2.0 | --  |
| p/m-Xylene                                                                      | ND     |           | ug/l  | 2.0 | --  |
| o-Xylene                                                                        | ND     |           | ug/l  | 1.0 | --  |
| Xylenes, Total                                                                  | ND     |           | ug/l  | 1.0 | --  |
| cis-1,2-Dichloroethene                                                          | ND     |           | ug/l  | 1.0 | --  |
| 1,2-Dichloroethene, Total                                                       | ND     |           | ug/l  | 1.0 | --  |
| Dibromomethane                                                                  | ND     |           | ug/l  | 2.0 | --  |
| 1,2,3-Trichloropropane                                                          | ND     |           | ug/l  | 2.0 | --  |
| Styrene                                                                         | ND     |           | ug/l  | 1.0 | --  |
| Dichlorodifluoromethane                                                         | ND     |           | ug/l  | 2.0 | --  |
| Acetone                                                                         | ND     |           | ug/l  | 5.0 | --  |
| Carbon disulfide                                                                | ND     |           | ug/l  | 2.0 | --  |
| Methyl ethyl ketone                                                             | ND     |           | ug/l  | 5.0 | --  |
| Methyl isobutyl ketone                                                          | ND     |           | ug/l  | 5.0 | --  |
| 2-Hexanone                                                                      | ND     |           | ug/l  | 5.0 | --  |
| Bromochloromethane                                                              | ND     |           | ug/l  | 2.0 | --  |
| Tetrahydrofuran                                                                 | ND     |           | ug/l  | 2.0 | --  |
| 2,2-Dichloropropane                                                             | ND     |           | ug/l  | 2.0 | --  |
| 1,2-Dibromoethane                                                               | ND     |           | ug/l  | 2.0 | --  |
| 1,3-Dichloropropane                                                             | ND     |           | ug/l  | 2.0 | --  |
| 1,1,1,2-Tetrachloroethane                                                       | ND     |           | ug/l  | 1.0 | --  |
| Bromobenzene                                                                    | ND     |           | ug/l  | 2.0 | --  |
| n-Butylbenzene                                                                  | ND     |           | ug/l  | 2.0 | --  |
| sec-Butylbenzene                                                                | ND     |           | ug/l  | 2.0 | --  |
| tert-Butylbenzene                                                               | ND     |           | ug/l  | 2.0 | --  |
| o-Chlorotoluene                                                                 | ND     |           | ug/l  | 2.0 | --  |

**Project Name:** TRURO DPW  
**Project Number:** TRU250P2

**Lab Number:** L2446578  
**Report Date:** 08/26/24

### Method Blank Analysis Batch Quality Control

**Analytical Method:** 141,8260D  
**Analytical Date:** 08/21/24 09:19  
**Analyst:** MCM

| Parameter                                                                       | Result | Qualifier | Units | RL   | MDL |
|---------------------------------------------------------------------------------|--------|-----------|-------|------|-----|
| MCP Volatile Organics - Westborough Lab for sample(s): 01-03 Batch: WG1962487-5 |        |           |       |      |     |
| p-Chlorotoluene                                                                 | ND     |           | ug/l  | 2.0  | --  |
| 1,2-Dibromo-3-chloropropane                                                     | ND     |           | ug/l  | 2.0  | --  |
| Hexachlorobutadiene                                                             | ND     |           | ug/l  | 0.60 | --  |
| Isopropylbenzene                                                                | ND     |           | ug/l  | 2.0  | --  |
| p-Isopropyltoluene                                                              | ND     |           | ug/l  | 2.0  | --  |
| Naphthalene                                                                     | ND     |           | ug/l  | 2.0  | --  |
| n-Propylbenzene                                                                 | ND     |           | ug/l  | 2.0  | --  |
| 1,2,3-Trichlorobenzene                                                          | ND     |           | ug/l  | 2.0  | --  |
| 1,2,4-Trichlorobenzene                                                          | ND     |           | ug/l  | 2.0  | --  |
| 1,3,5-Trimethylbenzene                                                          | ND     |           | ug/l  | 2.0  | --  |
| 1,2,4-Trimethylbenzene                                                          | ND     |           | ug/l  | 2.0  | --  |
| Diethyl ether                                                                   | ND     |           | ug/l  | 2.0  | --  |
| Diisopropyl Ether                                                               | ND     |           | ug/l  | 2.0  | --  |
| Ethyl-Tert-Butyl-Ether                                                          | ND     |           | ug/l  | 2.0  | --  |
| Tertiary-Amyl Methyl Ether                                                      | ND     |           | ug/l  | 2.0  | --  |
| 1,4-Dioxane                                                                     | ND     |           | ug/l  | 250  | --  |

| Surrogate             | %Recovery | Qualifier | Acceptance Criteria |
|-----------------------|-----------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 128       |           | 70-130              |
| Toluene-d8            | 105       |           | 70-130              |
| 4-Bromofluorobenzene  | 94        |           | 70-130              |
| Dibromofluoromethane  | 123       |           | 70-130              |



Project Name: TRURO DPW

Lab Number: L2446578

Project Number: TRU250P2

Report Date: 08/26/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 141,8260D  
 Analytical Date: 08/21/24 07:53  
 Analyst: MCM

| Parameter                                                                       | Result | Qualifier | Units | RL   | MDL |
|---------------------------------------------------------------------------------|--------|-----------|-------|------|-----|
| MCP Volatile Organics - Westborough Lab for sample(s): 04-05 Batch: WG1962513-5 |        |           |       |      |     |
| Methylene chloride                                                              | ND     |           | ug/l  | 2.0  | --  |
| 1,1-Dichloroethane                                                              | ND     |           | ug/l  | 1.0  | --  |
| Chloroform                                                                      | ND     |           | ug/l  | 1.0  | --  |
| Carbon tetrachloride                                                            | ND     |           | ug/l  | 1.0  | --  |
| 1,2-Dichloropropane                                                             | ND     |           | ug/l  | 1.0  | --  |
| Dibromochloromethane                                                            | ND     |           | ug/l  | 1.0  | --  |
| 1,1,2-Trichloroethane                                                           | ND     |           | ug/l  | 1.0  | --  |
| Tetrachloroethene                                                               | ND     |           | ug/l  | 1.0  | --  |
| Chlorobenzene                                                                   | ND     |           | ug/l  | 1.0  | --  |
| Trichlorofluoromethane                                                          | ND     |           | ug/l  | 2.0  | --  |
| 1,2-Dichloroethane                                                              | ND     |           | ug/l  | 1.0  | --  |
| 1,1,1-Trichloroethane                                                           | ND     |           | ug/l  | 1.0  | --  |
| Bromodichloromethane                                                            | ND     |           | ug/l  | 1.0  | --  |
| trans-1,3-Dichloropropene                                                       | ND     |           | ug/l  | 0.40 | --  |
| cis-1,3-Dichloropropene                                                         | ND     |           | ug/l  | 0.40 | --  |
| 1,3-Dichloropropene, Total                                                      | ND     |           | ug/l  | 0.40 | --  |
| 1,1-Dichloropropene                                                             | ND     |           | ug/l  | 2.0  | --  |
| Bromoform                                                                       | ND     |           | ug/l  | 2.0  | --  |
| 1,1,2,2-Tetrachloroethane                                                       | ND     |           | ug/l  | 1.0  | --  |
| Benzene                                                                         | ND     |           | ug/l  | 0.50 | --  |
| Toluene                                                                         | ND     |           | ug/l  | 1.0  | --  |
| Ethylbenzene                                                                    | ND     |           | ug/l  | 1.0  | --  |
| Chloromethane                                                                   | ND     |           | ug/l  | 2.0  | --  |
| Bromomethane                                                                    | ND     |           | ug/l  | 2.0  | --  |
| Vinyl chloride                                                                  | ND     |           | ug/l  | 1.0  | --  |
| Chloroethane                                                                    | ND     |           | ug/l  | 2.0  | --  |
| 1,1-Dichloroethene                                                              | ND     |           | ug/l  | 1.0  | --  |
| trans-1,2-Dichloroethene                                                        | ND     |           | ug/l  | 1.0  | --  |
| Trichloroethene                                                                 | ND     |           | ug/l  | 1.0  | --  |



Project Name: TRURO DPW

Lab Number: L2446578

Project Number: TRU250P2

Report Date: 08/26/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 141,8260D  
 Analytical Date: 08/21/24 07:53  
 Analyst: MCM

| Parameter                                                                       | Result | Qualifier | Units | RL  | MDL |
|---------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| MCP Volatile Organics - Westborough Lab for sample(s): 04-05 Batch: WG1962513-5 |        |           |       |     |     |
| 1,2-Dichlorobenzene                                                             | ND     |           | ug/l  | 1.0 | --  |
| 1,3-Dichlorobenzene                                                             | ND     |           | ug/l  | 1.0 | --  |
| 1,4-Dichlorobenzene                                                             | ND     |           | ug/l  | 1.0 | --  |
| Methyl tert butyl ether                                                         | ND     |           | ug/l  | 2.0 | --  |
| p/m-Xylene                                                                      | ND     |           | ug/l  | 2.0 | --  |
| o-Xylene                                                                        | ND     |           | ug/l  | 1.0 | --  |
| Xylenes, Total                                                                  | ND     |           | ug/l  | 1.0 | --  |
| cis-1,2-Dichloroethene                                                          | ND     |           | ug/l  | 1.0 | --  |
| 1,2-Dichloroethene, Total                                                       | ND     |           | ug/l  | 1.0 | --  |
| Dibromomethane                                                                  | ND     |           | ug/l  | 2.0 | --  |
| 1,2,3-Trichloropropane                                                          | ND     |           | ug/l  | 2.0 | --  |
| Styrene                                                                         | ND     |           | ug/l  | 1.0 | --  |
| Dichlorodifluoromethane                                                         | ND     |           | ug/l  | 2.0 | --  |
| Acetone                                                                         | ND     |           | ug/l  | 5.0 | --  |
| Carbon disulfide                                                                | ND     |           | ug/l  | 2.0 | --  |
| Methyl ethyl ketone                                                             | ND     |           | ug/l  | 5.0 | --  |
| Methyl isobutyl ketone                                                          | ND     |           | ug/l  | 5.0 | --  |
| 2-Hexanone                                                                      | ND     |           | ug/l  | 5.0 | --  |
| Bromochloromethane                                                              | ND     |           | ug/l  | 2.0 | --  |
| Tetrahydrofuran                                                                 | ND     |           | ug/l  | 2.0 | --  |
| 2,2-Dichloropropane                                                             | ND     |           | ug/l  | 2.0 | --  |
| 1,2-Dibromoethane                                                               | ND     |           | ug/l  | 2.0 | --  |
| 1,3-Dichloropropane                                                             | ND     |           | ug/l  | 2.0 | --  |
| 1,1,1,2-Tetrachloroethane                                                       | ND     |           | ug/l  | 1.0 | --  |
| Bromobenzene                                                                    | ND     |           | ug/l  | 2.0 | --  |
| n-Butylbenzene                                                                  | ND     |           | ug/l  | 2.0 | --  |
| sec-Butylbenzene                                                                | ND     |           | ug/l  | 2.0 | --  |
| tert-Butylbenzene                                                               | ND     |           | ug/l  | 2.0 | --  |
| o-Chlorotoluene                                                                 | ND     |           | ug/l  | 2.0 | --  |

**Project Name:** TRURO DPW  
**Project Number:** TRU250P2

**Lab Number:** L2446578  
**Report Date:** 08/26/24

### Method Blank Analysis Batch Quality Control

**Analytical Method:** 141,8260D  
**Analytical Date:** 08/21/24 07:53  
**Analyst:** MCM

| Parameter                                                                       | Result | Qualifier | Units | RL   | MDL |
|---------------------------------------------------------------------------------|--------|-----------|-------|------|-----|
| MCP Volatile Organics - Westborough Lab for sample(s): 04-05 Batch: WG1962513-5 |        |           |       |      |     |
| p-Chlorotoluene                                                                 | ND     |           | ug/l  | 2.0  | --  |
| 1,2-Dibromo-3-chloropropane                                                     | ND     |           | ug/l  | 2.0  | --  |
| Hexachlorobutadiene                                                             | ND     |           | ug/l  | 0.60 | --  |
| Isopropylbenzene                                                                | ND     |           | ug/l  | 2.0  | --  |
| p-Isopropyltoluene                                                              | ND     |           | ug/l  | 2.0  | --  |
| Naphthalene                                                                     | ND     |           | ug/l  | 2.0  | --  |
| n-Propylbenzene                                                                 | ND     |           | ug/l  | 2.0  | --  |
| 1,2,3-Trichlorobenzene                                                          | ND     |           | ug/l  | 2.0  | --  |
| 1,2,4-Trichlorobenzene                                                          | ND     |           | ug/l  | 2.0  | --  |
| 1,3,5-Trimethylbenzene                                                          | ND     |           | ug/l  | 2.0  | --  |
| 1,2,4-Trimethylbenzene                                                          | ND     |           | ug/l  | 2.0  | --  |
| Diethyl ether                                                                   | ND     |           | ug/l  | 2.0  | --  |
| Diisopropyl Ether                                                               | ND     |           | ug/l  | 2.0  | --  |
| Ethyl-Tert-Butyl-Ether                                                          | ND     |           | ug/l  | 2.0  | --  |
| Tertiary-Amyl Methyl Ether                                                      | ND     |           | ug/l  | 2.0  | --  |
| 1,4-Dioxane                                                                     | ND     |           | ug/l  | 250  | --  |

| Surrogate             | %Recovery | Qualifier | Acceptance Criteria |
|-----------------------|-----------|-----------|---------------------|
| 1,2-Dichloroethane-d4 | 107       |           | 70-130              |
| Toluene-d8            | 99        |           | 70-130              |
| 4-Bromofluorobenzene  | 102       |           | 70-130              |
| Dibromofluoromethane  | 108       |           | 70-130              |



**Lab Control Sample Analysis**  
Batch Quality Control**Project Name:** TRURO DPW**Project Number:** TRU250P2**Lab Number:** L2446578**Report Date:** 08/26/24

| <b>Parameter</b>                                                                      | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>%Recovery<br/>Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD<br/>Limits</b> | <b>Column</b> |
|---------------------------------------------------------------------------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|---------------|
| Microextractables by GC - Westborough Lab Associated sample(s): 01 Batch: WG1961396-2 |                          |             |                           |             |                             |            |             |                       |               |
| 1,2-Dibromoethane                                                                     | 123                      | Q           | -                         |             | 80-120                      | -          |             | 20                    | A             |
| 1,2-Dibromo-3-chloropropane                                                           | 135                      | Q           | -                         |             | 80-120                      | -          |             | 20                    | A             |

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** TRURO DPW

**Project Number:** TRU250P2

**Lab Number:** L2446578

**Report Date:** 08/26/24

| <b>Parameter</b>                                                                         | <b>LCS<br/>%Recovery</b> | <b>Qual</b> | <b>LCSD<br/>%Recovery</b> | <b>Qual</b> | <b>%Recovery<br/>Limits</b> | <b>RPD</b> | <b>Qual</b> | <b>RPD<br/>Limits</b> | <b>Column</b> |
|------------------------------------------------------------------------------------------|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|---------------|
| Microextractables by GC - Westborough Lab Associated sample(s): 02-05 Batch: WG1962033-2 |                          |             |                           |             |                             |            |             |                       |               |
| 1,2-Dibromoethane                                                                        | 116                      |             | -                         |             | 80-120                      | -          |             | 20                    | A             |
| 1,2-Dibromo-3-chloropropane                                                              | 124                      | Q           | -                         |             | 80-120                      | -          |             | 20                    | A             |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU250P2

Lab Number: L2446578

Report Date: 08/26/24

| Parameter                                                                                          | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Volatile Organics - Westborough Lab Associated sample(s): 01-03 Batch: WG1962487-3 WG1962487-4 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride                                                                                 | 89               |      | 94                |      | 70-130              | 5   |      | 20            |
| 1,1-Dichloroethane                                                                                 | 95               |      | 100               |      | 70-130              | 5   |      | 20            |
| Chloroform                                                                                         | 100              |      | 110               |      | 70-130              | 10  |      | 20            |
| Carbon tetrachloride                                                                               | 100              |      | 110               |      | 70-130              | 10  |      | 20            |
| 1,2-Dichloropropane                                                                                | 95               |      | 100               |      | 70-130              | 5   |      | 20            |
| Dibromochloromethane                                                                               | 100              |      | 110               |      | 70-130              | 10  |      | 20            |
| 1,1,2-Trichloroethane                                                                              | 110              |      | 120               |      | 70-130              | 9   |      | 20            |
| Tetrachloroethene                                                                                  | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| Chlorobenzene                                                                                      | 100              |      | 110               |      | 70-130              | 10  |      | 20            |
| Trichlorofluoromethane                                                                             | 100              |      | 110               |      | 70-130              | 10  |      | 20            |
| 1,2-Dichloroethane                                                                                 | 110              |      | 120               |      | 70-130              | 9   |      | 20            |
| 1,1,1-Trichloroethane                                                                              | 100              |      | 110               |      | 70-130              | 10  |      | 20            |
| Bromodichloromethane                                                                               | 100              |      | 110               |      | 70-130              | 10  |      | 20            |
| trans-1,3-Dichloropropene                                                                          | 100              |      | 110               |      | 70-130              | 10  |      | 20            |
| cis-1,3-Dichloropropene                                                                            | 94               |      | 100               |      | 70-130              | 6   |      | 20            |
| 1,1-Dichloropropene                                                                                | 89               |      | 97                |      | 70-130              | 9   |      | 20            |
| Bromoform                                                                                          | 91               |      | 100               |      | 70-130              | 9   |      | 20            |
| 1,1,2,2-Tetrachloroethane                                                                          | 96               |      | 100               |      | 70-130              | 4   |      | 20            |
| Benzene                                                                                            | 97               |      | 100               |      | 70-130              | 3   |      | 20            |
| Toluene                                                                                            | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| Ethylbenzene                                                                                       | 99               |      | 110               |      | 70-130              | 11  |      | 20            |
| Chloromethane                                                                                      | 120              |      | 120               |      | 70-130              | 0   |      | 20            |
| Bromomethane                                                                                       | 95               |      | 100               |      | 70-130              | 5   |      | 20            |

# **Lab Control Sample Analysis** **Batch Quality Control**

Project Name: TRURO DPW

Project Number: TRU250P2

Lab Number: L2446578

Report Date: 08/26/24

| Parameter                                                                                          | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Volatile Organics - Westborough Lab Associated sample(s): 01-03 Batch: WG1962487-3 WG1962487-4 |                  |      |                   |      |                     |     |      |               |
| Vinyl chloride                                                                                     | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| Chloroethane                                                                                       | 94               |      | 96                |      | 70-130              | 2   |      | 20            |
| 1,1-Dichloroethene                                                                                 | 90               |      | 94                |      | 70-130              | 4   |      | 20            |
| trans-1,2-Dichloroethene                                                                           | 94               |      | 93                |      | 70-130              | 1   |      | 20            |
| Trichloroethene                                                                                    | 100              |      | 110               |      | 70-130              | 10  |      | 20            |
| 1,2-Dichlorobenzene                                                                                | 96               |      | 100               |      | 70-130              | 4   |      | 20            |
| 1,3-Dichlorobenzene                                                                                | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| 1,4-Dichlorobenzene                                                                                | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| Methyl tert butyl ether                                                                            | 91               |      | 100               |      | 70-130              | 9   |      | 20            |
| p/m-Xylene                                                                                         | 105              |      | 110               |      | 70-130              | 5   |      | 20            |
| o-Xylene                                                                                           | 100              |      | 105               |      | 70-130              | 5   |      | 20            |
| cis-1,2-Dichloroethene                                                                             | 90               |      | 97                |      | 70-130              | 7   |      | 20            |
| Dibromomethane                                                                                     | 96               |      | 100               |      | 70-130              | 4   |      | 20            |
| 1,2,3-Trichloropropane                                                                             | 97               |      | 110               |      | 70-130              | 13  |      | 20            |
| Styrene                                                                                            | 100              |      | 110               |      | 70-130              | 10  |      | 20            |
| Dichlorodifluoromethane                                                                            | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| Acetone                                                                                            | 90               |      | 100               |      | 70-130              | 11  |      | 20            |
| Carbon disulfide                                                                                   | 100              |      | 93                |      | 70-130              | 7   |      | 20            |
| Methyl ethyl ketone                                                                                | 80               |      | 90                |      | 70-130              | 12  |      | 20            |
| Methyl isobutyl ketone                                                                             | 80               |      | 94                |      | 70-130              | 16  |      | 20            |
| 2-Hexanone                                                                                         | 76               |      | 89                |      | 70-130              | 16  |      | 20            |
| Bromochloromethane                                                                                 | 100              |      | 110               |      | 70-130              | 10  |      | 20            |
| Tetrahydrofuran                                                                                    | 85               |      | 98                |      | 70-130              | 14  |      | 20            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU250P2

Lab Number: L2446578

Report Date: 08/26/24

| Parameter                                                                                          | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Volatile Organics - Westborough Lab Associated sample(s): 01-03 Batch: WG1962487-3 WG1962487-4 |                  |      |                   |      |                     |     |      |               |
| 2,2-Dichloropropane                                                                                | 95               |      | 100               |      | 70-130              | 5   |      | 20            |
| 1,2-Dibromoethane                                                                                  | 97               |      | 100               |      | 70-130              | 3   |      | 20            |
| 1,3-Dichloropropane                                                                                | 100              |      | 110               |      | 70-130              | 10  |      | 20            |
| 1,1,1,2-Tetrachloroethane                                                                          | 110              |      | 120               |      | 70-130              | 9   |      | 20            |
| Bromobenzene                                                                                       | 96               |      | 100               |      | 70-130              | 4   |      | 20            |
| n-Butylbenzene                                                                                     | 98               |      | 110               |      | 70-130              | 12  |      | 20            |
| sec-Butylbenzene                                                                                   | 94               |      | 110               |      | 70-130              | 16  |      | 20            |
| tert-Butylbenzene                                                                                  | 90               |      | 100               |      | 70-130              | 11  |      | 20            |
| o-Chlorotoluene                                                                                    | 100              |      | 110               |      | 70-130              | 10  |      | 20            |
| p-Chlorotoluene                                                                                    | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| 1,2-Dibromo-3-chloropropane                                                                        | 92               |      | 100               |      | 70-130              | 8   |      | 20            |
| Hexachlorobutadiene                                                                                | 95               |      | 110               |      | 70-130              | 15  |      | 20            |
| Isopropylbenzene                                                                                   | 89               |      | 96                |      | 70-130              | 8   |      | 20            |
| p-Isopropyltoluene                                                                                 | 89               |      | 100               |      | 70-130              | 12  |      | 20            |
| Naphthalene                                                                                        | 71               |      | 81                |      | 70-130              | 13  |      | 20            |
| n-Propylbenzene                                                                                    | 98               |      | 110               |      | 70-130              | 12  |      | 20            |
| 1,2,3-Trichlorobenzene                                                                             | 88               |      | 95                |      | 70-130              | 8   |      | 20            |
| 1,2,4-Trichlorobenzene                                                                             | 81               |      | 88                |      | 70-130              | 8   |      | 20            |
| 1,3,5-Trimethylbenzene                                                                             | 96               |      | 110               |      | 70-130              | 14  |      | 20            |
| 1,2,4-Trimethylbenzene                                                                             | 95               |      | 100               |      | 70-130              | 5   |      | 20            |
| Diethyl ether                                                                                      | 89               |      | 98                |      | 70-130              | 10  |      | 20            |
| Diisopropyl Ether                                                                                  | 88               |      | 94                |      | 70-130              | 7   |      | 20            |
| Ethyl-Tert-Butyl-Ether                                                                             | 87               |      | 96                |      | 70-130              | 10  |      | 20            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU250P2

Lab Number: L2446578

Report Date: 08/26/24

| Parameter                                                                                          | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Volatile Organics - Westborough Lab Associated sample(s): 01-03 Batch: WG1962487-3 WG1962487-4 |                  |      |                   |      |                     |     |      |               |
| Tertiary-Amyl Methyl Ether                                                                         | 86               |      | 98                |      | 70-130              | 13  |      | 20            |
| 1,4-Dioxane                                                                                        | 96               |      | 102               |      | 70-130              | 6   |      | 20            |

| Surrogate             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|-----------------------|------------------|------|-------------------|------|------------------------|
| 1,2-Dichloroethane-d4 | 112              |      | 113               |      | 70-130                 |
| Toluene-d8            | 108              |      | 106               |      | 70-130                 |
| 4-Bromofluorobenzene  | 92               |      | 93                |      | 70-130                 |
| Dibromofluoromethane  | 106              |      | 107               |      | 70-130                 |



# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** TRURO DPW

**Project Number:** TRU250P2

**Lab Number:** L2446578

**Report Date:** 08/26/24

| Parameter                                                                                          | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Volatile Organics - Westborough Lab Associated sample(s): 04-05 Batch: WG1962513-3 WG1962513-4 |                  |      |                   |      |                     |     |      |               |
| Methylene chloride                                                                                 | 100              |      | 97                |      | 70-130              | 3   |      | 20            |
| 1,1-Dichloroethane                                                                                 | 110              |      | 100               |      | 70-130              | 10  |      | 20            |
| Chloroform                                                                                         | 110              |      | 98                |      | 70-130              | 12  |      | 20            |
| Carbon tetrachloride                                                                               | 110              |      | 110               |      | 70-130              | 0   |      | 20            |
| 1,2-Dichloropropane                                                                                | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| Dibromochloromethane                                                                               | 100              |      | 98                |      | 70-130              | 2   |      | 20            |
| 1,1,2-Trichloroethane                                                                              | 100              |      | 99                |      | 70-130              | 1   |      | 20            |
| Tetrachloroethene                                                                                  | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| Chlorobenzene                                                                                      | 110              |      | 100               |      | 70-130              | 10  |      | 20            |
| Trichlorofluoromethane                                                                             | 110              |      | 100               |      | 70-130              | 10  |      | 20            |
| 1,2-Dichloroethane                                                                                 | 110              |      | 100               |      | 70-130              | 10  |      | 20            |
| 1,1,1-Trichloroethane                                                                              | 110              |      | 100               |      | 70-130              | 10  |      | 20            |
| Bromodichloromethane                                                                               | 110              |      | 100               |      | 70-130              | 10  |      | 20            |
| trans-1,3-Dichloropropene                                                                          | 95               |      | 91                |      | 70-130              | 4   |      | 20            |
| cis-1,3-Dichloropropene                                                                            | 110              |      | 99                |      | 70-130              | 11  |      | 20            |
| 1,1-Dichloropropene                                                                                | 110              |      | 100               |      | 70-130              | 10  |      | 20            |
| Bromoform                                                                                          | 98               |      | 93                |      | 70-130              | 5   |      | 20            |
| 1,1,2,2-Tetrachloroethane                                                                          | 95               |      | 93                |      | 70-130              | 2   |      | 20            |
| Benzene                                                                                            | 100              |      | 98                |      | 70-130              | 2   |      | 20            |
| Toluene                                                                                            | 110              |      | 100               |      | 70-130              | 10  |      | 20            |
| Ethylbenzene                                                                                       | 110              |      | 100               |      | 70-130              | 10  |      | 20            |
| Chloromethane                                                                                      | 93               |      | 90                |      | 70-130              | 3   |      | 20            |
| Bromomethane                                                                                       | 82               |      | 72                |      | 70-130              | 13  |      | 20            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU250P2

Lab Number: L2446578

Report Date: 08/26/24

| Parameter                                                                                          | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Volatile Organics - Westborough Lab Associated sample(s): 04-05 Batch: WG1962513-3 WG1962513-4 |                  |      |                   |      |                     |     |      |               |
| Vinyl chloride                                                                                     | 94               |      | 87                |      | 70-130              | 8   |      | 20            |
| Chloroethane                                                                                       | 91               |      | 86                |      | 70-130              | 6   |      | 20            |
| 1,1-Dichloroethene                                                                                 | 110              |      | 100               |      | 70-130              | 10  |      | 20            |
| trans-1,2-Dichloroethene                                                                           | 110              |      | 100               |      | 70-130              | 10  |      | 20            |
| Trichloroethene                                                                                    | 110              |      | 100               |      | 70-130              | 10  |      | 20            |
| 1,2-Dichlorobenzene                                                                                | 100              |      | 98                |      | 70-130              | 2   |      | 20            |
| 1,3-Dichlorobenzene                                                                                | 110              |      | 100               |      | 70-130              | 10  |      | 20            |
| 1,4-Dichlorobenzene                                                                                | 110              |      | 100               |      | 70-130              | 10  |      | 20            |
| Methyl tert butyl ether                                                                            | 100              |      | 98                |      | 70-130              | 2   |      | 20            |
| p/m-Xylene                                                                                         | 105              |      | 100               |      | 70-130              | 5   |      | 20            |
| o-Xylene                                                                                           | 105              |      | 100               |      | 70-130              | 5   |      | 20            |
| cis-1,2-Dichloroethene                                                                             | 110              |      | 100               |      | 70-130              | 10  |      | 20            |
| Dibromomethane                                                                                     | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| 1,2,3-Trichloropropane                                                                             | 100              |      | 97                |      | 70-130              | 3   |      | 20            |
| Styrene                                                                                            | 105              |      | 100               |      | 70-130              | 5   |      | 20            |
| Dichlorodifluoromethane                                                                            | 99               |      | 92                |      | 70-130              | 7   |      | 20            |
| Acetone                                                                                            | 110              |      | 86                |      | 70-130              | 24  | Q    | 20            |
| Carbon disulfide                                                                                   | 110              |      | 100               |      | 70-130              | 10  |      | 20            |
| Methyl ethyl ketone                                                                                | 100              |      | 92                |      | 70-130              | 8   |      | 20            |
| Methyl isobutyl ketone                                                                             | 96               |      | 93                |      | 70-130              | 3   |      | 20            |
| 2-Hexanone                                                                                         | 110              |      | 100               |      | 70-130              | 10  |      | 20            |
| Bromochloromethane                                                                                 | 110              |      | 100               |      | 70-130              | 10  |      | 20            |
| Tetrahydrofuran                                                                                    | 110              |      | 100               |      | 70-130              | 10  |      | 20            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU250P2

Lab Number: L2446578

Report Date: 08/26/24

| Parameter                                                                                          | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Volatile Organics - Westborough Lab Associated sample(s): 04-05 Batch: WG1962513-3 WG1962513-4 |                  |      |                   |      |                     |     |      |               |
| 2,2-Dichloropropane                                                                                | 110              |      | 100               |      | 70-130              | 10  |      | 20            |
| 1,2-Dibromoethane                                                                                  | 100              |      | 94                |      | 70-130              | 6   |      | 20            |
| 1,3-Dichloropropane                                                                                | 100              |      | 98                |      | 70-130              | 2   |      | 20            |
| 1,1,1,2-Tetrachloroethane                                                                          | 100              |      | 97                |      | 70-130              | 3   |      | 20            |
| Bromobenzene                                                                                       | 110              |      | 100               |      | 70-130              | 10  |      | 20            |
| n-Butylbenzene                                                                                     | 110              |      | 100               |      | 70-130              | 10  |      | 20            |
| sec-Butylbenzene                                                                                   | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| tert-Butylbenzene                                                                                  | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| o-Chlorotoluene                                                                                    | 110              |      | 100               |      | 70-130              | 10  |      | 20            |
| p-Chlorotoluene                                                                                    | 110              |      | 100               |      | 70-130              | 10  |      | 20            |
| 1,2-Dibromo-3-chloropropane                                                                        | 99               |      | 96                |      | 70-130              | 3   |      | 20            |
| Hexachlorobutadiene                                                                                | 120              |      | 110               |      | 70-130              | 9   |      | 20            |
| Isopropylbenzene                                                                                   | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| p-Isopropyltoluene                                                                                 | 110              |      | 100               |      | 70-130              | 10  |      | 20            |
| Naphthalene                                                                                        | 100              |      | 97                |      | 70-130              | 3   |      | 20            |
| n-Propylbenzene                                                                                    | 100              |      | 100               |      | 70-130              | 0   |      | 20            |
| 1,2,3-Trichlorobenzene                                                                             | 110              |      | 100               |      | 70-130              | 10  |      | 20            |
| 1,2,4-Trichlorobenzene                                                                             | 110              |      | 100               |      | 70-130              | 10  |      | 20            |
| 1,3,5-Trimethylbenzene                                                                             | 110              |      | 100               |      | 70-130              | 10  |      | 20            |
| 1,2,4-Trimethylbenzene                                                                             | 110              |      | 100               |      | 70-130              | 10  |      | 20            |
| Diethyl ether                                                                                      | 98               |      | 90                |      | 70-130              | 9   |      | 20            |
| Diisopropyl Ether                                                                                  | 110              |      | 100               |      | 70-130              | 10  |      | 20            |
| Ethyl-Tert-Butyl-Ether                                                                             | 100              |      | 98                |      | 70-130              | 2   |      | 20            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU250P2

Lab Number: L2446578

Report Date: 08/26/24

| Parameter                                                                                          | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|----------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Volatile Organics - Westborough Lab Associated sample(s): 04-05 Batch: WG1962513-3 WG1962513-4 |                  |      |                   |      |                     |     |      |               |
| Tertiary-Amyl Methyl Ether                                                                         | 100              |      | 95                |      | 70-130              | 5   |      | 20            |
| 1,4-Dioxane                                                                                        | 98               |      | 88                |      | 70-130              | 11  |      | 20            |

| Surrogate             | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|-----------------------|------------------|------|-------------------|------|------------------------|
| 1,2-Dichloroethane-d4 | 102              |      | 101               |      | 70-130                 |
| Toluene-d8            | 100              |      | 99                |      | 70-130                 |
| 4-Bromofluorobenzene  | 101              |      | 103               |      | 70-130                 |
| Dibromofluoromethane  | 98               |      | 97                |      | 70-130                 |

# Matrix Spike Analysis

## Batch Quality Control

**Project Name:** TRURO DPW

**Project Number:** TRU250P2

**Lab Number:** L2446578

**Report Date:** 08/26/24

| <i>Parameter</i>                                                                                                                   | <i>Native Sample</i> | <i>MS Added</i> | <i>MS Found</i> | <i>MS %Recovery</i> | <i>Qual</i> | <i>MSD Found</i> | <i>MSD %Recovery</i> | <i>Qual</i> | <i>Recovery Limits</i> | <i>RPD</i> | <i>Qual</i> | <i>RPD Limits</i> | <i>Column</i> |
|------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|---------------|
| Microextractables by GC - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1961396-3 QC Sample: L2446578-01 Client ID: MW-1 |                      |                 |                 |                     |             |                  |                      |             |                        |            |             |                   |               |
| 1,2-Dibromoethane                                                                                                                  | ND                   | 0.252           | 0.249           | 99                  |             | -                | -                    |             | 80-120                 | -          |             | 20                | A             |
| 1,2-Dibromo-3-chloropropane                                                                                                        | ND                   | 0.252           | 0.302           | 120                 |             | -                | -                    |             | 80-120                 | -          |             | 20                | A             |

# SEMIVOLATILES

Project Name: TRURO DPW

Lab Number: L2446578

Project Number: TRU250P2

Report Date: 08/26/24

## SAMPLE RESULTS

Lab ID: L2446578-01

Date Collected: 08/14/24 12:00

Client ID: MW-1

Date Received: 08/15/24

Sample Location: TRURO, MA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 141,8270E

Extraction Date: 08/21/24 15:27

Analytical Date: 08/22/24 04:06

Analyst: SZ

| Parameter                                   | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Semivolatile Organics - Westborough Lab |        |           |       |      |     |                 |
| 1,2,4-Trichlorobenzene                      | ND     |           | ug/l  | 5.0  | --  | 1               |
| Bis(2-chloroethyl)ether                     | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,2-Dichlorobenzene                         | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,3-Dichlorobenzene                         | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,4-Dichlorobenzene                         | ND     |           | ug/l  | 2.0  | --  | 1               |
| 3,3'-Dichlorobenzidine                      | ND     |           | ug/l  | 5.0  | --  | 1               |
| 2,4-Dinitrotoluene                          | ND     |           | ug/l  | 5.0  | --  | 1               |
| 2,6-Dinitrotoluene                          | ND     |           | ug/l  | 5.0  | --  | 1               |
| Azobenzene                                  | ND     |           | ug/l  | 2.0  | --  | 1               |
| 4-Bromophenyl phenyl ether                  | ND     |           | ug/l  | 2.0  | --  | 1               |
| Bis(2-chloroisopropyl)ether                 | ND     |           | ug/l  | 2.0  | --  | 1               |
| Bis(2-chloroethoxy)methane                  | ND     |           | ug/l  | 5.0  | --  | 1               |
| Isophorone                                  | ND     |           | ug/l  | 5.0  | --  | 1               |
| Nitrobenzene                                | ND     |           | ug/l  | 2.0  | --  | 1               |
| Bis(2-ethylhexyl)phthalate                  | ND     |           | ug/l  | 3.0  | --  | 1               |
| Butyl benzyl phthalate                      | ND     |           | ug/l  | 5.0  | --  | 1               |
| Di-n-butylphthalate                         | ND     |           | ug/l  | 5.0  | --  | 1               |
| Di-n-octylphthalate                         | ND     |           | ug/l  | 5.0  | --  | 1               |
| Diethyl phthalate                           | ND     |           | ug/l  | 5.0  | --  | 1               |
| Dimethyl phthalate                          | ND     |           | ug/l  | 5.0  | --  | 1               |
| Biphenyl                                    | ND     |           | ug/l  | 0.70 | --  | 1               |
| Aniline                                     | ND     |           | ug/l  | 2.0  | --  | 1               |
| 4-Chloroaniline                             | ND     |           | ug/l  | 5.0  | --  | 1               |
| Dibenzofuran                                | ND     |           | ug/l  | 2.0  | --  | 1               |
| Acetophenone                                | ND     |           | ug/l  | 5.0  | --  | 1               |
| 2,4,6-Trichlorophenol                       | ND     |           | ug/l  | 5.0  | --  | 1               |
| 2-Chlorophenol                              | ND     |           | ug/l  | 2.0  | --  | 1               |
| 2,4-Dichlorophenol                          | ND     |           | ug/l  | 5.0  | --  | 1               |

**Project Name:** TRURO DPW  
**Project Number:** TRU250P2

**Lab Number:** L2446578  
**Report Date:** 08/26/24

**SAMPLE RESULTS**

**Lab ID:** L2446578-01  
**Client ID:** MW-1  
**Sample Location:** TRURO, MA

**Date Collected:** 08/14/24 12:00  
**Date Received:** 08/15/24  
**Field Prep:** Refer to COC

Sample Depth:

| Parameter                                   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Semivolatile Organics - Westborough Lab |        |           |       |     |     |                 |
| 2,4-Dimethylphenol                          | ND     |           | ug/l  | 5.0 | --  | 1               |
| 2-Nitrophenol                               | ND     |           | ug/l  | 10  | --  | 1               |
| 4-Nitrophenol                               | ND     |           | ug/l  | 10  | --  | 1               |
| 2,4-Dinitrophenol                           | ND     |           | ug/l  | 20  | --  | 1               |
| Phenol                                      | ND     |           | ug/l  | 5.0 | --  | 1               |
| 2-Methylphenol                              | ND     |           | ug/l  | 5.0 | --  | 1               |
| 3-Methylphenol/4-Methylphenol               | ND     |           | ug/l  | 5.0 | --  | 1               |
| 2,4,5-Trichlorophenol                       | ND     |           | ug/l  | 5.0 | --  | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 45         |           | 15-110              |
| Phenol-d6            | 29         |           | 15-110              |
| Nitrobenzene-d5      | 59         |           | 30-130              |
| 2-Fluorobiphenyl     | 53         |           | 30-130              |
| 2,4,6-Tribromophenol | 45         |           | 15-110              |
| 4-Terphenyl-d14      | 55         |           | 30-130              |



**Project Name:** TRURO DPW**Lab Number:** L2446578**Project Number:** TRU250P2**Report Date:** 08/26/24**SAMPLE RESULTS**

Lab ID: L2446578-01

Date Collected: 08/14/24 12:00

Client ID: MW-1

Date Received: 08/15/24

Sample Location: TRURO, MA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 141,8270E-SIM

Extraction Date: 08/20/24 15:40

Analytical Date: 08/21/24 16:52

Analyst: GRS

| Parameter                                    | Result     | Qualifier | Units     | RL                  | MDL | Dilution Factor |
|----------------------------------------------|------------|-----------|-----------|---------------------|-----|-----------------|
| MCP 1,4 Dioxane by 8270E-SIM - Mansfield Lab |            |           |           |                     |     |                 |
| 1,4-Dioxane                                  | ND         |           | ug/l      | 0.139               | --  | 1               |
| Surrogate                                    | % Recovery |           | Qualifier | Acceptance Criteria |     |                 |
| 1,4-Dioxane-d8                               | 36         |           |           | 15-110              |     |                 |

**Project Name:** TRURO DPW**Lab Number:** L2446578**Project Number:** TRU250P2**Report Date:** 08/26/24**SAMPLE RESULTS**

Lab ID: L2446578-01

Date Collected: 08/14/24 12:00

Client ID: MW-1

Date Received: 08/15/24

Sample Location: TRURO, MA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 141,8270E-SIM

Extraction Date: 08/21/24 15:27

Analytical Date: 08/22/24 18:18

Analyst: DV

| Parameter                                          | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|----------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Semivolatile Organics by SIM - Westborough Lab |        |           |       |      |     |                 |
| Acenaphthene                                       | ND     |           | ug/l  | 0.10 | --  | 1               |
| 2-Chloronaphthalene                                | ND     |           | ug/l  | 0.20 | --  | 1               |
| Fluoranthene                                       | ND     |           | ug/l  | 0.10 | --  | 1               |
| Hexachlorobutadiene                                | ND     |           | ug/l  | 0.50 | --  | 1               |
| Naphthalene                                        | ND     |           | ug/l  | 0.10 | --  | 1               |
| Benzo(a)anthracene                                 | ND     |           | ug/l  | 0.10 | --  | 1               |
| Benzo(a)pyrene                                     | ND     |           | ug/l  | 0.10 | --  | 1               |
| Benzo(b)fluoranthene                               | ND     |           | ug/l  | 0.10 | --  | 1               |
| Benzo(k)fluoranthene                               | ND     |           | ug/l  | 0.10 | --  | 1               |
| Chrysene                                           | ND     |           | ug/l  | 0.10 | --  | 1               |
| Acenaphthylene                                     | ND     |           | ug/l  | 0.10 | --  | 1               |
| Anthracene                                         | ND     |           | ug/l  | 0.10 | --  | 1               |
| Benzo(ghi)perylene                                 | ND     |           | ug/l  | 0.10 | --  | 1               |
| Fluorene                                           | ND     |           | ug/l  | 0.10 | --  | 1               |
| Phenanthrene                                       | ND     |           | ug/l  | 0.10 | --  | 1               |
| Dibenzo(a,h)anthracene                             | ND     |           | ug/l  | 0.10 | --  | 1               |
| Indeno(1,2,3-cd)pyrene                             | ND     |           | ug/l  | 0.10 | --  | 1               |
| Pyrene                                             | ND     |           | ug/l  | 0.10 | --  | 1               |
| 2-Methylnaphthalene                                | ND     |           | ug/l  | 0.10 | --  | 1               |
| Pentachlorophenol                                  | ND     |           | ug/l  | 0.80 | --  | 1               |
| Hexachlorobenzene                                  | ND     |           | ug/l  | 0.80 | --  | 1               |
| Hexachloroethane                                   | ND     |           | ug/l  | 0.80 | --  | 1               |

**Project Name:** TRURO DPW  
**Project Number:** TRU250P2

**Lab Number:** L2446578  
**Report Date:** 08/26/24

**SAMPLE RESULTS**

**Lab ID:** L2446578-01  
**Client ID:** MW-1  
**Sample Location:** TRURO, MA

**Date Collected:** 08/14/24 12:00  
**Date Received:** 08/15/24  
**Field Prep:** Refer to COC

**Sample Depth:**

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

MCP Semivolatile Organics by SIM - Westborough Lab

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 45         |           | 15-110              |
| Phenol-d6            | 34         |           | 15-110              |
| Nitrobenzene-d5      | 76         |           | 30-130              |
| 2-Fluorobiphenyl     | 59         |           | 30-130              |
| 2,4,6-Tribromophenol | 66         |           | 15-110              |
| 4-Terphenyl-d14      | 75         |           | 30-130              |

Project Name: TRURO DPW

Lab Number: L2446578

Project Number: TRU250P2

Report Date: 08/26/24

## SAMPLE RESULTS

Lab ID: L2446578-02

Date Collected: 08/14/24 10:30

Client ID: MW-2

Date Received: 08/15/24

Sample Location: TRURO, MA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 141,8270E

Extraction Date: 08/21/24 15:27

Analytical Date: 08/22/24 04:31

Analyst: SZ

| Parameter                                   | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Semivolatile Organics - Westborough Lab |        |           |       |      |     |                 |
| 1,2,4-Trichlorobenzene                      | ND     |           | ug/l  | 5.0  | --  | 1               |
| Bis(2-chloroethyl)ether                     | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,2-Dichlorobenzene                         | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,3-Dichlorobenzene                         | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,4-Dichlorobenzene                         | ND     |           | ug/l  | 2.0  | --  | 1               |
| 3,3'-Dichlorobenzidine                      | ND     |           | ug/l  | 5.0  | --  | 1               |
| 2,4-Dinitrotoluene                          | ND     |           | ug/l  | 5.0  | --  | 1               |
| 2,6-Dinitrotoluene                          | ND     |           | ug/l  | 5.0  | --  | 1               |
| Azobenzene                                  | ND     |           | ug/l  | 2.0  | --  | 1               |
| 4-Bromophenyl phenyl ether                  | ND     |           | ug/l  | 2.0  | --  | 1               |
| Bis(2-chloroisopropyl)ether                 | ND     |           | ug/l  | 2.0  | --  | 1               |
| Bis(2-chloroethoxy)methane                  | ND     |           | ug/l  | 5.0  | --  | 1               |
| Isophorone                                  | ND     |           | ug/l  | 5.0  | --  | 1               |
| Nitrobenzene                                | ND     |           | ug/l  | 2.0  | --  | 1               |
| Bis(2-ethylhexyl)phthalate                  | ND     |           | ug/l  | 3.0  | --  | 1               |
| Butyl benzyl phthalate                      | ND     |           | ug/l  | 5.0  | --  | 1               |
| Di-n-butylphthalate                         | ND     |           | ug/l  | 5.0  | --  | 1               |
| Di-n-octylphthalate                         | ND     |           | ug/l  | 5.0  | --  | 1               |
| Diethyl phthalate                           | ND     |           | ug/l  | 5.0  | --  | 1               |
| Dimethyl phthalate                          | ND     |           | ug/l  | 5.0  | --  | 1               |
| Biphenyl                                    | ND     |           | ug/l  | 0.70 | --  | 1               |
| Aniline                                     | ND     |           | ug/l  | 2.0  | --  | 1               |
| 4-Chloroaniline                             | ND     |           | ug/l  | 5.0  | --  | 1               |
| Dibenzofuran                                | ND     |           | ug/l  | 2.0  | --  | 1               |
| Acetophenone                                | ND     |           | ug/l  | 5.0  | --  | 1               |
| 2,4,6-Trichlorophenol                       | ND     |           | ug/l  | 5.0  | --  | 1               |
| 2-Chlorophenol                              | ND     |           | ug/l  | 2.0  | --  | 1               |
| 2,4-Dichlorophenol                          | ND     |           | ug/l  | 5.0  | --  | 1               |

**Project Name:** TRURO DPW  
**Project Number:** TRU250P2

**Lab Number:** L2446578  
**Report Date:** 08/26/24

**SAMPLE RESULTS**

**Lab ID:** L2446578-02  
**Client ID:** MW-2  
**Sample Location:** TRURO, MA

**Date Collected:** 08/14/24 10:30  
**Date Received:** 08/15/24  
**Field Prep:** Refer to COC

Sample Depth:

| Parameter                                   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Semivolatile Organics - Westborough Lab |        |           |       |     |     |                 |
| 2,4-Dimethylphenol                          | ND     |           | ug/l  | 5.0 | --  | 1               |
| 2-Nitrophenol                               | ND     |           | ug/l  | 10  | --  | 1               |
| 4-Nitrophenol                               | ND     |           | ug/l  | 10  | --  | 1               |
| 2,4-Dinitrophenol                           | ND     |           | ug/l  | 20  | --  | 1               |
| Phenol                                      | ND     |           | ug/l  | 5.0 | --  | 1               |
| 2-Methylphenol                              | ND     |           | ug/l  | 5.0 | --  | 1               |
| 3-Methylphenol/4-Methylphenol               | ND     |           | ug/l  | 5.0 | --  | 1               |
| 2,4,5-Trichlorophenol                       | ND     |           | ug/l  | 5.0 | --  | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 43         |           | 15-110              |
| Phenol-d6            | 29         |           | 15-110              |
| Nitrobenzene-d5      | 57         |           | 30-130              |
| 2-Fluorobiphenyl     | 55         |           | 30-130              |
| 2,4,6-Tribromophenol | 44         |           | 15-110              |
| 4-Terphenyl-d14      | 52         |           | 30-130              |

**Project Name:** TRURO DPW**Lab Number:** L2446578**Project Number:** TRU250P2**Report Date:** 08/26/24**SAMPLE RESULTS**

Lab ID: L2446578-02

Date Collected: 08/14/24 10:30

Client ID: MW-2

Date Received: 08/15/24

Sample Location: TRURO, MA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 141,8270E-SIM

Extraction Date: 08/20/24 15:40

Analytical Date: 08/21/24 17:13

Analyst: GRS

| Parameter                                    | Result     | Qualifier | Units     | RL                  | MDL | Dilution Factor |
|----------------------------------------------|------------|-----------|-----------|---------------------|-----|-----------------|
| MCP 1,4 Dioxane by 8270E-SIM - Mansfield Lab |            |           |           |                     |     |                 |
| 1,4-Dioxane                                  | ND         |           | ug/l      | 0.150               | --  | 1               |
| Surrogate                                    | % Recovery |           | Qualifier | Acceptance Criteria |     |                 |
| 1,4-Dioxane-d8                               | 39         |           |           | 15-110              |     |                 |

**Project Name:** TRURO DPW**Lab Number:** L2446578**Project Number:** TRU250P2**Report Date:** 08/26/24**SAMPLE RESULTS**

Lab ID: L2446578-02

Date Collected: 08/14/24 10:30

Client ID: MW-2

Date Received: 08/15/24

Sample Location: TRURO, MA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 141,8270E-SIM

Extraction Date: 08/21/24 15:27

Analytical Date: 08/22/24 18:34

Analyst: DV

| Parameter                                          | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|----------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Semivolatile Organics by SIM - Westborough Lab |        |           |       |      |     |                 |
| Acenaphthene                                       | ND     |           | ug/l  | 0.10 | --  | 1               |
| 2-Chloronaphthalene                                | ND     |           | ug/l  | 0.20 | --  | 1               |
| Fluoranthene                                       | ND     |           | ug/l  | 0.10 | --  | 1               |
| Hexachlorobutadiene                                | ND     |           | ug/l  | 0.50 | --  | 1               |
| Naphthalene                                        | ND     |           | ug/l  | 0.10 | --  | 1               |
| Benzo(a)anthracene                                 | ND     |           | ug/l  | 0.10 | --  | 1               |
| Benzo(a)pyrene                                     | ND     |           | ug/l  | 0.10 | --  | 1               |
| Benzo(b)fluoranthene                               | ND     |           | ug/l  | 0.10 | --  | 1               |
| Benzo(k)fluoranthene                               | ND     |           | ug/l  | 0.10 | --  | 1               |
| Chrysene                                           | ND     |           | ug/l  | 0.10 | --  | 1               |
| Acenaphthylene                                     | ND     |           | ug/l  | 0.10 | --  | 1               |
| Anthracene                                         | ND     |           | ug/l  | 0.10 | --  | 1               |
| Benzo(ghi)perylene                                 | ND     |           | ug/l  | 0.10 | --  | 1               |
| Fluorene                                           | ND     |           | ug/l  | 0.10 | --  | 1               |
| Phenanthrene                                       | ND     |           | ug/l  | 0.10 | --  | 1               |
| Dibenzo(a,h)anthracene                             | ND     |           | ug/l  | 0.10 | --  | 1               |
| Indeno(1,2,3-cd)pyrene                             | ND     |           | ug/l  | 0.10 | --  | 1               |
| Pyrene                                             | ND     |           | ug/l  | 0.10 | --  | 1               |
| 2-Methylnaphthalene                                | ND     |           | ug/l  | 0.10 | --  | 1               |
| Pentachlorophenol                                  | ND     |           | ug/l  | 0.80 | --  | 1               |
| Hexachlorobenzene                                  | ND     |           | ug/l  | 0.80 | --  | 1               |
| Hexachloroethane                                   | ND     |           | ug/l  | 0.80 | --  | 1               |

**Project Name:** TRURO DPW  
**Project Number:** TRU250P2

**Lab Number:** L2446578  
**Report Date:** 08/26/24

**SAMPLE RESULTS**

**Lab ID:** L2446578-02  
**Client ID:** MW-2  
**Sample Location:** TRURO, MA

**Date Collected:** 08/14/24 10:30  
**Date Received:** 08/15/24  
**Field Prep:** Refer to COC

**Sample Depth:**

| Parameter                                          | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|----------------------------------------------------|--------|-----------|-------|----|-----|-----------------|
| MCP Semivolatile Organics by SIM - Westborough Lab |        |           |       |    |     |                 |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 47         |           | 15-110              |
| Phenol-d6            | 36         |           | 15-110              |
| Nitrobenzene-d5      | 80         |           | 30-130              |
| 2-Fluorobiphenyl     | 62         |           | 30-130              |
| 2,4,6-Tribromophenol | 71         |           | 15-110              |
| 4-Terphenyl-d14      | 79         |           | 30-130              |



**Project Name:** TRURO DPW  
**Project Number:** TRU250P2

**Lab Number:** L2446578  
**Report Date:** 08/26/24

**SAMPLE RESULTS**

**Lab ID:** L2446578-03  
**Client ID:** MW-3  
**Sample Location:** TRURO, MA

**Date Collected:** 08/14/24 13:30  
**Date Received:** 08/15/24  
**Field Prep:** Refer to COC

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 141,8270E  
**Analytical Date:** 08/22/24 04:56  
**Analyst:** SZ

**Extraction Method:** EPA 3510C  
**Extraction Date:** 08/21/24 15:27

| Parameter                                   | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Semivolatile Organics - Westborough Lab |        |           |       |      |     |                 |
| 1,2,4-Trichlorobenzene                      | ND     |           | ug/l  | 5.0  | --  | 1               |
| Bis(2-chloroethyl)ether                     | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,2-Dichlorobenzene                         | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,3-Dichlorobenzene                         | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,4-Dichlorobenzene                         | ND     |           | ug/l  | 2.0  | --  | 1               |
| 3,3'-Dichlorobenzidine                      | ND     |           | ug/l  | 5.0  | --  | 1               |
| 2,4-Dinitrotoluene                          | ND     |           | ug/l  | 5.0  | --  | 1               |
| 2,6-Dinitrotoluene                          | ND     |           | ug/l  | 5.0  | --  | 1               |
| Azobenzene                                  | ND     |           | ug/l  | 2.0  | --  | 1               |
| 4-Bromophenyl phenyl ether                  | ND     |           | ug/l  | 2.0  | --  | 1               |
| Bis(2-chloroisopropyl)ether                 | ND     |           | ug/l  | 2.0  | --  | 1               |
| Bis(2-chloroethoxy)methane                  | ND     |           | ug/l  | 5.0  | --  | 1               |
| Isophorone                                  | ND     |           | ug/l  | 5.0  | --  | 1               |
| Nitrobenzene                                | ND     |           | ug/l  | 2.0  | --  | 1               |
| Bis(2-ethylhexyl)phthalate                  | ND     |           | ug/l  | 3.0  | --  | 1               |
| Butyl benzyl phthalate                      | ND     |           | ug/l  | 5.0  | --  | 1               |
| Di-n-butylphthalate                         | ND     |           | ug/l  | 5.0  | --  | 1               |
| Di-n-octylphthalate                         | ND     |           | ug/l  | 5.0  | --  | 1               |
| Diethyl phthalate                           | ND     |           | ug/l  | 5.0  | --  | 1               |
| Dimethyl phthalate                          | ND     |           | ug/l  | 5.0  | --  | 1               |
| Biphenyl                                    | ND     |           | ug/l  | 0.70 | --  | 1               |
| Aniline                                     | ND     |           | ug/l  | 2.0  | --  | 1               |
| 4-Chloroaniline                             | ND     |           | ug/l  | 5.0  | --  | 1               |
| Dibenzofuran                                | ND     |           | ug/l  | 2.0  | --  | 1               |
| Acetophenone                                | ND     |           | ug/l  | 5.0  | --  | 1               |
| 2,4,6-Trichlorophenol                       | ND     |           | ug/l  | 5.0  | --  | 1               |
| 2-Chlorophenol                              | ND     |           | ug/l  | 2.0  | --  | 1               |
| 2,4-Dichlorophenol                          | ND     |           | ug/l  | 5.0  | --  | 1               |

**Project Name:** TRURO DPW  
**Project Number:** TRU250P2

**Lab Number:** L2446578  
**Report Date:** 08/26/24

**SAMPLE RESULTS**

**Lab ID:** L2446578-03  
**Client ID:** MW-3  
**Sample Location:** TRURO, MA

**Date Collected:** 08/14/24 13:30  
**Date Received:** 08/15/24  
**Field Prep:** Refer to COC

Sample Depth:

| Parameter                                   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Semivolatile Organics - Westborough Lab |        |           |       |     |     |                 |
| 2,4-Dimethylphenol                          | ND     |           | ug/l  | 5.0 | --  | 1               |
| 2-Nitrophenol                               | ND     |           | ug/l  | 10  | --  | 1               |
| 4-Nitrophenol                               | ND     |           | ug/l  | 10  | --  | 1               |
| 2,4-Dinitrophenol                           | ND     |           | ug/l  | 20  | --  | 1               |
| Phenol                                      | ND     |           | ug/l  | 5.0 | --  | 1               |
| 2-Methylphenol                              | ND     |           | ug/l  | 5.0 | --  | 1               |
| 3-Methylphenol/4-Methylphenol               | ND     |           | ug/l  | 5.0 | --  | 1               |
| 2,4,5-Trichlorophenol                       | ND     |           | ug/l  | 5.0 | --  | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 46         |           | 15-110              |
| Phenol-d6            | 29         |           | 15-110              |
| Nitrobenzene-d5      | 63         |           | 30-130              |
| 2-Fluorobiphenyl     | 57         |           | 30-130              |
| 2,4,6-Tribromophenol | 46         |           | 15-110              |
| 4-Terphenyl-d14      | 56         |           | 30-130              |

**Project Name:** TRURO DPW  
**Project Number:** TRU250P2

**Lab Number:** L2446578  
**Report Date:** 08/26/24

**SAMPLE RESULTS**

Lab ID: L2446578-03  
 Client ID: MW-3  
 Sample Location: TRURO, MA

Date Collected: 08/14/24 13:30  
 Date Received: 08/15/24  
 Field Prep: Refer to COC

Sample Depth:  
 Matrix: Water  
 Analytical Method: 141,8270E-SIM  
 Analytical Date: 08/21/24 17:34  
 Analyst: GRS

Extraction Method: EPA 3510C  
 Extraction Date: 08/20/24 15:40

| Parameter                                    | Result     | Qualifier | Units     | RL                  | MDL | Dilution Factor |
|----------------------------------------------|------------|-----------|-----------|---------------------|-----|-----------------|
| MCP 1,4 Dioxane by 8270E-SIM - Mansfield Lab |            |           |           |                     |     |                 |
| 1,4-Dioxane                                  | ND         |           | ug/l      | 0.139               | --  | 1               |
| Surrogate                                    | % Recovery |           | Qualifier | Acceptance Criteria |     |                 |
| 1,4-Dioxane-d8                               | 39         |           |           | 15-110              |     |                 |

**Project Name:** TRURO DPW**Lab Number:** L2446578**Project Number:** TRU250P2**Report Date:** 08/26/24**SAMPLE RESULTS**

Lab ID: L2446578-03

Date Collected: 08/14/24 13:30

Client ID: MW-3

Date Received: 08/15/24

Sample Location: TRURO, MA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 141,8270E-SIM

Extraction Date: 08/21/24 15:27

Analytical Date: 08/22/24 18:50

Analyst: DV

| Parameter                                          | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|----------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Semivolatile Organics by SIM - Westborough Lab |        |           |       |      |     |                 |
| Acenaphthene                                       | ND     |           | ug/l  | 0.10 | --  | 1               |
| 2-Chloronaphthalene                                | ND     |           | ug/l  | 0.20 | --  | 1               |
| Fluoranthene                                       | ND     |           | ug/l  | 0.10 | --  | 1               |
| Hexachlorobutadiene                                | ND     |           | ug/l  | 0.50 | --  | 1               |
| Naphthalene                                        | ND     |           | ug/l  | 0.10 | --  | 1               |
| Benzo(a)anthracene                                 | ND     |           | ug/l  | 0.10 | --  | 1               |
| Benzo(a)pyrene                                     | ND     |           | ug/l  | 0.10 | --  | 1               |
| Benzo(b)fluoranthene                               | ND     |           | ug/l  | 0.10 | --  | 1               |
| Benzo(k)fluoranthene                               | ND     |           | ug/l  | 0.10 | --  | 1               |
| Chrysene                                           | ND     |           | ug/l  | 0.10 | --  | 1               |
| Acenaphthylene                                     | ND     |           | ug/l  | 0.10 | --  | 1               |
| Anthracene                                         | ND     |           | ug/l  | 0.10 | --  | 1               |
| Benzo(ghi)perylene                                 | ND     |           | ug/l  | 0.10 | --  | 1               |
| Fluorene                                           | ND     |           | ug/l  | 0.10 | --  | 1               |
| Phenanthrene                                       | ND     |           | ug/l  | 0.10 | --  | 1               |
| Dibenzo(a,h)anthracene                             | ND     |           | ug/l  | 0.10 | --  | 1               |
| Indeno(1,2,3-cd)pyrene                             | ND     |           | ug/l  | 0.10 | --  | 1               |
| Pyrene                                             | ND     |           | ug/l  | 0.10 | --  | 1               |
| 2-Methylnaphthalene                                | ND     |           | ug/l  | 0.10 | --  | 1               |
| Pentachlorophenol                                  | ND     |           | ug/l  | 0.80 | --  | 1               |
| Hexachlorobenzene                                  | ND     |           | ug/l  | 0.80 | --  | 1               |
| Hexachloroethane                                   | ND     |           | ug/l  | 0.80 | --  | 1               |

**Project Name:** TRURO DPW**Lab Number:** L2446578**Project Number:** TRU250P2**Report Date:** 08/26/24**SAMPLE RESULTS**

Lab ID: L2446578-03

Date Collected: 08/14/24 13:30

Client ID: MW-3

Date Received: 08/15/24

Sample Location: TRURO, MA

Field Prep: Refer to COC

Sample Depth:

| Parameter                                          | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|----------------------------------------------------|--------|-----------|-------|----|-----|-----------------|
| MCP Semivolatile Organics by SIM - Westborough Lab |        |           |       |    |     |                 |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 48         |           | 15-110              |
| Phenol-d6            | 36         |           | 15-110              |
| Nitrobenzene-d5      | 83         |           | 30-130              |
| 2-Fluorobiphenyl     | 65         |           | 30-130              |
| 2,4,6-Tribromophenol | 74         |           | 15-110              |
| 4-Terphenyl-d14      | 80         |           | 30-130              |

Project Name: TRURO DPW

Lab Number: L2446578

Project Number: TRU250P2

Report Date: 08/26/24

## SAMPLE RESULTS

Lab ID: L2446578-04

Date Collected: 08/15/24 12:00

Client ID: MW-4

Date Received: 08/15/24

Sample Location: TRURO, MA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 141,8270E

Extraction Date: 08/22/24 14:22

Analytical Date: 08/23/24 07:39

Analyst: JG

| Parameter                                   | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Semivolatile Organics - Westborough Lab |        |           |       |      |     |                 |
| 1,2,4-Trichlorobenzene                      | ND     |           | ug/l  | 5.0  | --  | 1               |
| Bis(2-chloroethyl)ether                     | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,2-Dichlorobenzene                         | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,3-Dichlorobenzene                         | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,4-Dichlorobenzene                         | ND     |           | ug/l  | 2.0  | --  | 1               |
| 3,3'-Dichlorobenzidine                      | ND     |           | ug/l  | 5.0  | --  | 1               |
| 2,4-Dinitrotoluene                          | ND     |           | ug/l  | 5.0  | --  | 1               |
| 2,6-Dinitrotoluene                          | ND     |           | ug/l  | 5.0  | --  | 1               |
| Azobenzene                                  | ND     |           | ug/l  | 2.0  | --  | 1               |
| 4-Bromophenyl phenyl ether                  | ND     |           | ug/l  | 2.0  | --  | 1               |
| Bis(2-chloroisopropyl)ether                 | ND     |           | ug/l  | 2.0  | --  | 1               |
| Bis(2-chloroethoxy)methane                  | ND     |           | ug/l  | 5.0  | --  | 1               |
| Isophorone                                  | ND     |           | ug/l  | 5.0  | --  | 1               |
| Nitrobenzene                                | ND     |           | ug/l  | 2.0  | --  | 1               |
| Bis(2-ethylhexyl)phthalate                  | ND     |           | ug/l  | 3.0  | --  | 1               |
| Butyl benzyl phthalate                      | ND     |           | ug/l  | 5.0  | --  | 1               |
| Di-n-butylphthalate                         | ND     |           | ug/l  | 5.0  | --  | 1               |
| Di-n-octylphthalate                         | ND     |           | ug/l  | 5.0  | --  | 1               |
| Diethyl phthalate                           | ND     |           | ug/l  | 5.0  | --  | 1               |
| Dimethyl phthalate                          | ND     |           | ug/l  | 5.0  | --  | 1               |
| Biphenyl                                    | ND     |           | ug/l  | 0.70 | --  | 1               |
| Aniline                                     | ND     |           | ug/l  | 2.0  | --  | 1               |
| 4-Chloroaniline                             | ND     |           | ug/l  | 5.0  | --  | 1               |
| Dibenzofuran                                | ND     |           | ug/l  | 2.0  | --  | 1               |
| Acetophenone                                | ND     |           | ug/l  | 5.0  | --  | 1               |
| 2,4,6-Trichlorophenol                       | ND     |           | ug/l  | 5.0  | --  | 1               |
| 2-Chlorophenol                              | ND     |           | ug/l  | 2.0  | --  | 1               |
| 2,4-Dichlorophenol                          | ND     |           | ug/l  | 5.0  | --  | 1               |

Project Name: TRURO DPW

Lab Number: L2446578

Project Number: TRU250P2

Report Date: 08/26/24

## SAMPLE RESULTS

Lab ID: L2446578-04

Date Collected: 08/15/24 12:00

Client ID: MW-4

Date Received: 08/15/24

Sample Location: TRURO, MA

Field Prep: Refer to COC

Sample Depth:

| Parameter                                   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Semivolatile Organics - Westborough Lab |        |           |       |     |     |                 |
| 2,4-Dimethylphenol                          | ND     |           | ug/l  | 5.0 | --  | 1               |
| 2-Nitrophenol                               | ND     |           | ug/l  | 10  | --  | 1               |
| 4-Nitrophenol                               | ND     |           | ug/l  | 10  | --  | 1               |
| 2,4-Dinitrophenol                           | ND     |           | ug/l  | 20  | --  | 1               |
| Phenol                                      | ND     |           | ug/l  | 5.0 | --  | 1               |
| 2-Methylphenol                              | ND     |           | ug/l  | 5.0 | --  | 1               |
| 3-Methylphenol/4-Methylphenol               | ND     |           | ug/l  | 5.0 | --  | 1               |
| 2,4,5-Trichlorophenol                       | ND     |           | ug/l  | 5.0 | --  | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 29         |           | 15-110              |
| Phenol-d6            | 23         |           | 15-110              |
| Nitrobenzene-d5      | 47         |           | 30-130              |
| 2-Fluorobiphenyl     | 40         |           | 30-130              |
| 2,4,6-Tribromophenol | 43         |           | 15-110              |
| 4-Terphenyl-d14      | 51         |           | 30-130              |

**Project Name:** TRURO DPW**Lab Number:** L2446578**Project Number:** TRU250P2**Report Date:** 08/26/24**SAMPLE RESULTS**

Lab ID: L2446578-04

Date Collected: 08/15/24 12:00

Client ID: MW-4

Date Received: 08/15/24

Sample Location: TRURO, MA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 141,8270E-SIM

Extraction Date: 08/20/24 15:40

Analytical Date: 08/21/24 17:55

Analyst: GRS

| Parameter                                    | Result     | Qualifier | Units     | RL                  | MDL | Dilution Factor |
|----------------------------------------------|------------|-----------|-----------|---------------------|-----|-----------------|
| MCP 1,4 Dioxane by 8270E-SIM - Mansfield Lab |            |           |           |                     |     |                 |
| 1,4-Dioxane                                  | ND         |           | ug/l      | 0.150               | --  | 1               |
| Surrogate                                    | % Recovery |           | Qualifier | Acceptance Criteria |     |                 |
| 1,4-Dioxane-d8                               | 40         |           |           | 15-110              |     |                 |



Project Name: TRURO DPW

Lab Number: L2446578

Project Number: TRU250P2

Report Date: 08/26/24

## SAMPLE RESULTS

Lab ID: L2446578-04

Date Collected: 08/15/24 12:00

Client ID: MW-4

Date Received: 08/15/24

Sample Location: TRURO, MA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 141,8270E-SIM

Extraction Date: 08/22/24 14:25

Analytical Date: 08/23/24 17:09

Analyst: RP

| Parameter                                          | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|----------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Semivolatile Organics by SIM - Westborough Lab |        |           |       |      |     |                 |
| Acenaphthene                                       | ND     |           | ug/l  | 0.10 | --  | 1               |
| 2-Chloronaphthalene                                | ND     |           | ug/l  | 0.20 | --  | 1               |
| Fluoranthene                                       | ND     |           | ug/l  | 0.10 | --  | 1               |
| Hexachlorobutadiene                                | ND     |           | ug/l  | 0.50 | --  | 1               |
| Naphthalene                                        | ND     |           | ug/l  | 0.10 | --  | 1               |
| Benzo(a)anthracene                                 | ND     |           | ug/l  | 0.10 | --  | 1               |
| Benzo(a)pyrene                                     | ND     |           | ug/l  | 0.10 | --  | 1               |
| Benzo(b)fluoranthene                               | ND     |           | ug/l  | 0.10 | --  | 1               |
| Benzo(k)fluoranthene                               | ND     |           | ug/l  | 0.10 | --  | 1               |
| Chrysene                                           | ND     |           | ug/l  | 0.10 | --  | 1               |
| Acenaphthylene                                     | ND     |           | ug/l  | 0.10 | --  | 1               |
| Anthracene                                         | ND     |           | ug/l  | 0.10 | --  | 1               |
| Benzo(ghi)perylene                                 | ND     |           | ug/l  | 0.10 | --  | 1               |
| Fluorene                                           | ND     |           | ug/l  | 0.10 | --  | 1               |
| Phenanthrene                                       | ND     |           | ug/l  | 0.10 | --  | 1               |
| Dibenzo(a,h)anthracene                             | ND     |           | ug/l  | 0.10 | --  | 1               |
| Indeno(1,2,3-cd)pyrene                             | ND     |           | ug/l  | 0.10 | --  | 1               |
| Pyrene                                             | ND     |           | ug/l  | 0.10 | --  | 1               |
| 2-Methylnaphthalene                                | ND     |           | ug/l  | 0.10 | --  | 1               |
| Pentachlorophenol                                  | ND     |           | ug/l  | 0.80 | --  | 1               |
| Hexachlorobenzene                                  | ND     |           | ug/l  | 0.80 | --  | 1               |
| Hexachloroethane                                   | ND     |           | ug/l  | 0.80 | --  | 1               |

**Project Name:** TRURO DPW**Lab Number:** L2446578**Project Number:** TRU250P2**Report Date:** 08/26/24**SAMPLE RESULTS**

Lab ID: L2446578-04

Date Collected: 08/15/24 12:00

Client ID: MW-4

Date Received: 08/15/24

Sample Location: TRURO, MA

Field Prep: Refer to COC

Sample Depth:

| Parameter                                          | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|----------------------------------------------------|--------|-----------|-------|----|-----|-----------------|
| MCP Semivolatile Organics by SIM - Westborough Lab |        |           |       |    |     |                 |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 28         |           | 15-110              |
| Phenol-d6            | 21         |           | 15-110              |
| Nitrobenzene-d5      | 48         |           | 30-130              |
| 2-Fluorobiphenyl     | 54         |           | 30-130              |
| 2,4,6-Tribromophenol | 46         |           | 15-110              |
| 4-Terphenyl-d14      | 50         |           | 30-130              |

Project Name: TRURO DPW

Lab Number: L2446578

Project Number: TRU250P2

Report Date: 08/26/24

## SAMPLE RESULTS

Lab ID: L2446578-05

Date Collected: 08/14/24 09:00

Client ID: MW-5

Date Received: 08/15/24

Sample Location: TRURO, MA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 141,8270E

Extraction Date: 08/21/24 15:27

Analytical Date: 08/22/24 05:22

Analyst: SZ

| Parameter                                   | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|---------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Semivolatile Organics - Westborough Lab |        |           |       |      |     |                 |
| 1,2,4-Trichlorobenzene                      | ND     |           | ug/l  | 5.0  | --  | 1               |
| Bis(2-chloroethyl)ether                     | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,2-Dichlorobenzene                         | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,3-Dichlorobenzene                         | ND     |           | ug/l  | 2.0  | --  | 1               |
| 1,4-Dichlorobenzene                         | ND     |           | ug/l  | 2.0  | --  | 1               |
| 3,3'-Dichlorobenzidine                      | ND     |           | ug/l  | 5.0  | --  | 1               |
| 2,4-Dinitrotoluene                          | ND     |           | ug/l  | 5.0  | --  | 1               |
| 2,6-Dinitrotoluene                          | ND     |           | ug/l  | 5.0  | --  | 1               |
| Azobenzene                                  | ND     |           | ug/l  | 2.0  | --  | 1               |
| 4-Bromophenyl phenyl ether                  | ND     |           | ug/l  | 2.0  | --  | 1               |
| Bis(2-chloroisopropyl)ether                 | ND     |           | ug/l  | 2.0  | --  | 1               |
| Bis(2-chloroethoxy)methane                  | ND     |           | ug/l  | 5.0  | --  | 1               |
| Isophorone                                  | ND     |           | ug/l  | 5.0  | --  | 1               |
| Nitrobenzene                                | ND     |           | ug/l  | 2.0  | --  | 1               |
| Bis(2-ethylhexyl)phthalate                  | ND     |           | ug/l  | 3.0  | --  | 1               |
| Butyl benzyl phthalate                      | ND     |           | ug/l  | 5.0  | --  | 1               |
| Di-n-butylphthalate                         | ND     |           | ug/l  | 5.0  | --  | 1               |
| Di-n-octylphthalate                         | ND     |           | ug/l  | 5.0  | --  | 1               |
| Diethyl phthalate                           | ND     |           | ug/l  | 5.0  | --  | 1               |
| Dimethyl phthalate                          | ND     |           | ug/l  | 5.0  | --  | 1               |
| Biphenyl                                    | ND     |           | ug/l  | 0.70 | --  | 1               |
| Aniline                                     | ND     |           | ug/l  | 2.0  | --  | 1               |
| 4-Chloroaniline                             | ND     |           | ug/l  | 5.0  | --  | 1               |
| Dibenzofuran                                | ND     |           | ug/l  | 2.0  | --  | 1               |
| Acetophenone                                | ND     |           | ug/l  | 5.0  | --  | 1               |
| 2,4,6-Trichlorophenol                       | ND     |           | ug/l  | 5.0  | --  | 1               |
| 2-Chlorophenol                              | ND     |           | ug/l  | 2.0  | --  | 1               |
| 2,4-Dichlorophenol                          | ND     |           | ug/l  | 5.0  | --  | 1               |

**Project Name:** TRURO DPW  
**Project Number:** TRU250P2

**Lab Number:** L2446578  
**Report Date:** 08/26/24

**SAMPLE RESULTS**

**Lab ID:** L2446578-05  
**Client ID:** MW-5  
**Sample Location:** TRURO, MA

**Date Collected:** 08/14/24 09:00  
**Date Received:** 08/15/24  
**Field Prep:** Refer to COC

Sample Depth:

| Parameter                                   | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|---------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| MCP Semivolatile Organics - Westborough Lab |        |           |       |     |     |                 |
| 2,4-Dimethylphenol                          | ND     |           | ug/l  | 5.0 | --  | 1               |
| 2-Nitrophenol                               | ND     |           | ug/l  | 10  | --  | 1               |
| 4-Nitrophenol                               | ND     |           | ug/l  | 10  | --  | 1               |
| 2,4-Dinitrophenol                           | ND     |           | ug/l  | 20  | --  | 1               |
| Phenol                                      | ND     |           | ug/l  | 5.0 | --  | 1               |
| 2-Methylphenol                              | ND     |           | ug/l  | 5.0 | --  | 1               |
| 3-Methylphenol/4-Methylphenol               | ND     |           | ug/l  | 5.0 | --  | 1               |
| 2,4,5-Trichlorophenol                       | ND     |           | ug/l  | 5.0 | --  | 1               |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 43         |           | 15-110              |
| Phenol-d6            | 28         |           | 15-110              |
| Nitrobenzene-d5      | 58         |           | 30-130              |
| 2-Fluorobiphenyl     | 55         |           | 30-130              |
| 2,4,6-Tribromophenol | 46         |           | 15-110              |
| 4-Terphenyl-d14      | 57         |           | 30-130              |

**Project Name:** TRURO DPW  
**Project Number:** TRU250P2

**Lab Number:** L2446578  
**Report Date:** 08/26/24

**SAMPLE RESULTS**

Lab ID: L2446578-05  
 Client ID: MW-5  
 Sample Location: TRURO, MA

Date Collected: 08/14/24 09:00  
 Date Received: 08/15/24  
 Field Prep: Refer to COC

Sample Depth:  
 Matrix: Water  
 Analytical Method: 141,8270E-SIM  
 Analytical Date: 08/21/24 18:16  
 Analyst: GRS

Extraction Method: EPA 3510C  
 Extraction Date: 08/20/24 15:40

| Parameter                                    | Result     | Qualifier | Units     | RL                  | MDL | Dilution Factor |
|----------------------------------------------|------------|-----------|-----------|---------------------|-----|-----------------|
| MCP 1,4 Dioxane by 8270E-SIM - Mansfield Lab |            |           |           |                     |     |                 |
| 1,4-Dioxane                                  | ND         |           | ug/l      | 0.150               | --  | 1               |
| Surrogate                                    | % Recovery |           | Qualifier | Acceptance Criteria |     |                 |
| 1,4-Dioxane-d8                               | 39         |           |           | 15-110              |     |                 |

Project Name: TRURO DPW

Lab Number: L2446578

Project Number: TRU250P2

Report Date: 08/26/24

## SAMPLE RESULTS

Lab ID: L2446578-05

Date Collected: 08/14/24 09:00

Client ID: MW-5

Date Received: 08/15/24

Sample Location: TRURO, MA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 141,8270E-SIM

Extraction Date: 08/21/24 15:27

Analytical Date: 08/22/24 19:06

Analyst: DV

| Parameter                                          | Result | Qualifier | Units | RL   | MDL | Dilution Factor |
|----------------------------------------------------|--------|-----------|-------|------|-----|-----------------|
| MCP Semivolatile Organics by SIM - Westborough Lab |        |           |       |      |     |                 |
| Acenaphthene                                       | ND     |           | ug/l  | 0.10 | --  | 1               |
| 2-Chloronaphthalene                                | ND     |           | ug/l  | 0.20 | --  | 1               |
| Fluoranthene                                       | ND     |           | ug/l  | 0.10 | --  | 1               |
| Hexachlorobutadiene                                | ND     |           | ug/l  | 0.50 | --  | 1               |
| Naphthalene                                        | ND     |           | ug/l  | 0.10 | --  | 1               |
| Benzo(a)anthracene                                 | ND     |           | ug/l  | 0.10 | --  | 1               |
| Benzo(a)pyrene                                     | ND     |           | ug/l  | 0.10 | --  | 1               |
| Benzo(b)fluoranthene                               | ND     |           | ug/l  | 0.10 | --  | 1               |
| Benzo(k)fluoranthene                               | ND     |           | ug/l  | 0.10 | --  | 1               |
| Chrysene                                           | ND     |           | ug/l  | 0.10 | --  | 1               |
| Acenaphthylene                                     | ND     |           | ug/l  | 0.10 | --  | 1               |
| Anthracene                                         | ND     |           | ug/l  | 0.10 | --  | 1               |
| Benzo(ghi)perylene                                 | ND     |           | ug/l  | 0.10 | --  | 1               |
| Fluorene                                           | ND     |           | ug/l  | 0.10 | --  | 1               |
| Phenanthrene                                       | ND     |           | ug/l  | 0.10 | --  | 1               |
| Dibenzo(a,h)anthracene                             | ND     |           | ug/l  | 0.10 | --  | 1               |
| Indeno(1,2,3-cd)pyrene                             | ND     |           | ug/l  | 0.10 | --  | 1               |
| Pyrene                                             | ND     |           | ug/l  | 0.10 | --  | 1               |
| 2-Methylnaphthalene                                | ND     |           | ug/l  | 0.10 | --  | 1               |
| Pentachlorophenol                                  | ND     |           | ug/l  | 0.80 | --  | 1               |
| Hexachlorobenzene                                  | ND     |           | ug/l  | 0.80 | --  | 1               |
| Hexachloroethane                                   | ND     |           | ug/l  | 0.80 | --  | 1               |

Project Name: TRURO DPW

Lab Number: L2446578

Project Number: TRU250P2

Report Date: 08/26/24

## SAMPLE RESULTS

Lab ID: L2446578-05

Date Collected: 08/14/24 09:00

Client ID: MW-5

Date Received: 08/15/24

Sample Location: TRURO, MA

Field Prep: Refer to COC

Sample Depth:

| Parameter                                          | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|----------------------------------------------------|--------|-----------|-------|----|-----|-----------------|
| MCP Semivolatile Organics by SIM - Westborough Lab |        |           |       |    |     |                 |

| Surrogate            | % Recovery | Qualifier | Acceptance Criteria |
|----------------------|------------|-----------|---------------------|
| 2-Fluorophenol       | 47         |           | 15-110              |
| Phenol-d6            | 35         |           | 15-110              |
| Nitrobenzene-d5      | 78         |           | 30-130              |
| 2-Fluorobiphenyl     | 60         |           | 30-130              |
| 2,4,6-Tribromophenol | 68         |           | 15-110              |
| 4-Terphenyl-d14      | 79         |           | 30-130              |

**Project Name:** TRURO DPW**Project Number:** TRU250P2**Lab Number:** L2446578**Report Date:** 08/26/24**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 141,8270E-SIM

Analytical Date: 08/21/24 09:12

Analyst: GRS

Extraction Method: EPA 3510C

Extraction Date: 08/20/24 15:40

| Parameter                                                                            | Result | Qualifier | Units | RL    | MDL |
|--------------------------------------------------------------------------------------|--------|-----------|-------|-------|-----|
| MCP 1,4 Dioxane by 8270E-SIM - Mansfield Lab for sample(s): 01-05 Batch: WG1961637-1 |        |           |       |       |     |
| 1,4-Dioxane                                                                          | ND     |           | ug/l  | 0.150 | --  |

| Surrogate      | %Recovery | Qualifier | Acceptance<br>Criteria |
|----------------|-----------|-----------|------------------------|
| 1,4-Dioxane-d8 | 30        |           | 15-110                 |



Project Name: TRURO DPW

Project Number: TRU250P2

Lab Number: L2446578

Report Date: 08/26/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 141,8270E  
 Analytical Date: 08/21/24 20:54  
 Analyst: SZ

Extraction Method: EPA 3510C  
 Extraction Date: 08/21/24 15:27

| Parameter                                                                           | Result | Qualifier | Units | RL  | MDL |
|-------------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| MCP Semivolatile Organics - Westborough Lab for sample(s): 01-05 Batch: WG1962222-1 |        |           |       |     |     |
| Acenaphthene                                                                        | ND     |           | ug/l  | 2.0 | --  |
| 1,2,4-Trichlorobenzene                                                              | ND     |           | ug/l  | 5.0 | --  |
| Hexachlorobenzene                                                                   | ND     |           | ug/l  | 2.0 | --  |
| Bis(2-chloroethyl)ether                                                             | ND     |           | ug/l  | 2.0 | --  |
| 2-Chloronaphthalene                                                                 | ND     |           | ug/l  | 2.0 | --  |
| 1,2-Dichlorobenzene                                                                 | ND     |           | ug/l  | 2.0 | --  |
| 1,3-Dichlorobenzene                                                                 | ND     |           | ug/l  | 2.0 | --  |
| 1,4-Dichlorobenzene                                                                 | ND     |           | ug/l  | 2.0 | --  |
| 3,3'-Dichlorobenzidine                                                              | ND     |           | ug/l  | 5.0 | --  |
| 2,4-Dinitrotoluene                                                                  | ND     |           | ug/l  | 5.0 | --  |
| 2,6-Dinitrotoluene                                                                  | ND     |           | ug/l  | 5.0 | --  |
| Azobenzene                                                                          | ND     |           | ug/l  | 2.0 | --  |
| Fluoranthene                                                                        | ND     |           | ug/l  | 2.0 | --  |
| 4-Bromophenyl phenyl ether                                                          | ND     |           | ug/l  | 2.0 | --  |
| Bis(2-chloroisopropyl)ether                                                         | ND     |           | ug/l  | 2.0 | --  |
| Bis(2-chloroethoxy)methane                                                          | ND     |           | ug/l  | 5.0 | --  |
| Hexachlorobutadiene                                                                 | ND     |           | ug/l  | 2.0 | --  |
| Hexachloroethane                                                                    | ND     |           | ug/l  | 2.0 | --  |
| Isophorone                                                                          | ND     |           | ug/l  | 5.0 | --  |
| Naphthalene                                                                         | ND     |           | ug/l  | 2.0 | --  |
| Nitrobenzene                                                                        | ND     |           | ug/l  | 2.0 | --  |
| Bis(2-ethylhexyl)phthalate                                                          | ND     |           | ug/l  | 3.0 | --  |
| Butyl benzyl phthalate                                                              | ND     |           | ug/l  | 5.0 | --  |
| Di-n-butylphthalate                                                                 | ND     |           | ug/l  | 5.0 | --  |
| Di-n-octylphthalate                                                                 | ND     |           | ug/l  | 5.0 | --  |
| Diethyl phthalate                                                                   | ND     |           | ug/l  | 5.0 | --  |
| Dimethyl phthalate                                                                  | ND     |           | ug/l  | 5.0 | --  |
| Benzo(a)anthracene                                                                  | ND     |           | ug/l  | 2.0 | --  |
| Benzo(a)pyrene                                                                      | ND     |           | ug/l  | 2.0 | --  |

Project Name: TRURO DPW

Project Number: TRU250P2

Lab Number: L2446578

Report Date: 08/26/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 141,8270E  
 Analytical Date: 08/21/24 20:54  
 Analyst: SZ

Extraction Method: EPA 3510C  
 Extraction Date: 08/21/24 15:27

| Parameter                                                                           | Result | Qualifier | Units | RL   | MDL |
|-------------------------------------------------------------------------------------|--------|-----------|-------|------|-----|
| MCP Semivolatile Organics - Westborough Lab for sample(s): 01-05 Batch: WG1962222-1 |        |           |       |      |     |
| Benzo(b)fluoranthene                                                                | ND     |           | ug/l  | 2.0  | --  |
| Benzo(k)fluoranthene                                                                | ND     |           | ug/l  | 2.0  | --  |
| Chrysene                                                                            | ND     |           | ug/l  | 2.0  | --  |
| Acenaphthylene                                                                      | ND     |           | ug/l  | 2.0  | --  |
| Anthracene                                                                          | ND     |           | ug/l  | 2.0  | --  |
| Benzo(ghi)perylene                                                                  | ND     |           | ug/l  | 2.0  | --  |
| Fluorene                                                                            | ND     |           | ug/l  | 2.0  | --  |
| Phenanthrene                                                                        | ND     |           | ug/l  | 2.0  | --  |
| Dibenzo(a,h)anthracene                                                              | ND     |           | ug/l  | 2.0  | --  |
| Indeno(1,2,3-cd)pyrene                                                              | ND     |           | ug/l  | 2.0  | --  |
| Pyrene                                                                              | ND     |           | ug/l  | 2.0  | --  |
| Biphenyl                                                                            | ND     |           | ug/l  | 0.70 | --  |
| Aniline                                                                             | ND     |           | ug/l  | 2.0  | --  |
| 4-Chloroaniline                                                                     | ND     |           | ug/l  | 5.0  | --  |
| Dibenzofuran                                                                        | ND     |           | ug/l  | 2.0  | --  |
| 2-Methylnaphthalene                                                                 | ND     |           | ug/l  | 2.0  | --  |
| Acetophenone                                                                        | ND     |           | ug/l  | 5.0  | --  |
| 2,4,6-Trichlorophenol                                                               | ND     |           | ug/l  | 5.0  | --  |
| 2-Chlorophenol                                                                      | ND     |           | ug/l  | 2.0  | --  |
| 2,4-Dichlorophenol                                                                  | ND     |           | ug/l  | 5.0  | --  |
| 2,4-Dimethylphenol                                                                  | ND     |           | ug/l  | 5.0  | --  |
| 2-Nitrophenol                                                                       | ND     |           | ug/l  | 10   | --  |
| 4-Nitrophenol                                                                       | ND     |           | ug/l  | 10   | --  |
| 2,4-Dinitrophenol                                                                   | ND     |           | ug/l  | 20   | --  |
| Pentachlorophenol                                                                   | ND     |           | ug/l  | 10   | --  |
| Phenol                                                                              | ND     |           | ug/l  | 5.0  | --  |
| 2-Methylphenol                                                                      | ND     |           | ug/l  | 5.0  | --  |
| 3-Methylphenol/4-Methylphenol                                                       | ND     |           | ug/l  | 5.0  | --  |
| 2,4,5-Trichlorophenol                                                               | ND     |           | ug/l  | 5.0  | --  |

**Project Name:** TRURO DPW  
**Project Number:** TRU250P2

**Lab Number:** L2446578  
**Report Date:** 08/26/24

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 141,8270E  
 Analytical Date: 08/21/24 20:54  
 Analyst: SZ

Extraction Method: EPA 3510C  
 Extraction Date: 08/21/24 15:27

| Parameter                                                                           | Result | Qualifier | Units | RL | MDL |
|-------------------------------------------------------------------------------------|--------|-----------|-------|----|-----|
| MCP Semivolatile Organics - Westborough Lab for sample(s): 01-05 Batch: WG1962222-1 |        |           |       |    |     |

| Surrogate            | %Recovery | Qualifier | Acceptance<br>Criteria |
|----------------------|-----------|-----------|------------------------|
| 2-Fluorophenol       | 19        |           | 15-110                 |
| Phenol-d6            | 20        |           | 15-110                 |
| Nitrobenzene-d5      | 54        |           | 30-130                 |
| 2-Fluorobiphenyl     | 47        |           | 30-130                 |
| 2,4,6-Tribromophenol | 15        |           | 15-110                 |
| 4-Terphenyl-d14      | 48        |           | 30-130                 |

**Project Name:** TRURO DPW  
**Project Number:** TRU250P2

**Lab Number:** L2446578  
**Report Date:** 08/26/24

### Method Blank Analysis Batch Quality Control

**Analytical Method:** 141,8270E-SIM  
**Analytical Date:** 08/22/24 18:02  
**Analyst:** DV

**Extraction Method:** EPA 3510C  
**Extraction Date:** 08/21/24 15:27

| Parameter                                                                                  | Result | Qualifier | Units | RL   | MDL |
|--------------------------------------------------------------------------------------------|--------|-----------|-------|------|-----|
| MCP Semivolatile Organics by SIM - Westborough Lab for sample(s): 01-05 Batch: WG1962223-1 |        |           |       |      |     |
| Acenaphthene                                                                               | ND     |           | ug/l  | 0.10 | --  |
| 2-Chloronaphthalene                                                                        | ND     |           | ug/l  | 0.20 | --  |
| Fluoranthene                                                                               | ND     |           | ug/l  | 0.10 | --  |
| Hexachlorobutadiene                                                                        | ND     |           | ug/l  | 0.50 | --  |
| Naphthalene                                                                                | ND     |           | ug/l  | 0.10 | --  |
| Benzo(a)anthracene                                                                         | ND     |           | ug/l  | 0.10 | --  |
| Benzo(a)pyrene                                                                             | ND     |           | ug/l  | 0.10 | --  |
| Benzo(b)fluoranthene                                                                       | ND     |           | ug/l  | 0.10 | --  |
| Benzo(k)fluoranthene                                                                       | ND     |           | ug/l  | 0.10 | --  |
| Chrysene                                                                                   | ND     |           | ug/l  | 0.10 | --  |
| Acenaphthylene                                                                             | ND     |           | ug/l  | 0.10 | --  |
| Anthracene                                                                                 | ND     |           | ug/l  | 0.10 | --  |
| Benzo(ghi)perylene                                                                         | ND     |           | ug/l  | 0.10 | --  |
| Fluorene                                                                                   | ND     |           | ug/l  | 0.10 | --  |
| Phenanthrene                                                                               | ND     |           | ug/l  | 0.10 | --  |
| Dibenzo(a,h)anthracene                                                                     | ND     |           | ug/l  | 0.10 | --  |
| Indeno(1,2,3-cd)pyrene                                                                     | ND     |           | ug/l  | 0.10 | --  |
| Pyrene                                                                                     | ND     |           | ug/l  | 0.10 | --  |
| 2-Methylnaphthalene                                                                        | ND     |           | ug/l  | 0.10 | --  |
| Pentachlorophenol                                                                          | ND     |           | ug/l  | 0.80 | --  |
| Hexachlorobenzene                                                                          | ND     |           | ug/l  | 0.80 | --  |
| Hexachloroethane                                                                           | ND     |           | ug/l  | 0.80 | --  |

**Project Name:** TRURO DPW  
**Project Number:** TRU250P2

**Lab Number:** L2446578  
**Report Date:** 08/26/24

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 141,8270E-SIM  
Analytical Date: 08/22/24 18:02  
Analyst: DV

Extraction Method: EPA 3510C  
Extraction Date: 08/21/24 15:27

| Parameter                                                                                  | Result | Qualifier | Units | RL | MDL |
|--------------------------------------------------------------------------------------------|--------|-----------|-------|----|-----|
| MCP Semivolatile Organics by SIM - Westborough Lab for sample(s): 01-05 Batch: WG1962223-1 |        |           |       |    |     |

| Surrogate            | %Recovery | Qualifier | Acceptance<br>Criteria |
|----------------------|-----------|-----------|------------------------|
| 2-Fluorophenol       | 23        |           | 15-110                 |
| Phenol-d6            | 26        |           | 15-110                 |
| Nitrobenzene-d5      | 73        |           | 30-130                 |
| 2-Fluorobiphenyl     | 52        |           | 30-130                 |
| 2,4,6-Tribromophenol | 30        |           | 15-110                 |
| 4-Terphenyl-d14      | 77        |           | 30-130                 |

# **Lab Control Sample Analysis** Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU250P2

Lab Number: L2446578

Report Date: 08/26/24

| Parameter                                                                                               | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP 1,4 Dioxane by 8270E-SIM - Mansfield Lab Associated sample(s): 01-05 Batch: WG1961637-2 WG1961637-3 |                  |      |                   |      |                     |     |      |               |
| 1,4-Dioxane                                                                                             | 119              |      | 119               |      | 40-140              | 0   |      | 20            |

| Surrogate      | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|----------------|------------------|------|-------------------|------|------------------------|
| 1,4-Dioxane-d8 | 30               |      | 29                |      | 15-110                 |

# **Lab Control Sample Analysis** **Batch Quality Control**

Project Name: TRURO DPW

Project Number: TRU250P2

Lab Number: L2446578

Report Date: 08/26/24

| Parameter                                                                                              | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-05 Batch: WG1962222-2 WG1962222-3 |                  |      |                   |      |                     |     |      |               |
| Acenaphthene                                                                                           | 65               |      | 58                |      | 40-140              | 11  |      | 20            |
| 1,2,4-Trichlorobenzene                                                                                 | 49               |      | 46                |      | 40-140              | 6   |      | 20            |
| Hexachlorobenzene                                                                                      | 58               |      | 54                |      | 40-140              | 7   |      | 20            |
| Bis(2-chloroethyl)ether                                                                                | 70               |      | 61                |      | 40-140              | 14  |      | 20            |
| 2-Chloronaphthalene                                                                                    | 60               |      | 53                |      | 40-140              | 12  |      | 20            |
| 1,2-Dichlorobenzene                                                                                    | 51               |      | 50                |      | 40-140              | 2   |      | 20            |
| 1,3-Dichlorobenzene                                                                                    | 51               |      | 50                |      | 40-140              | 2   |      | 20            |
| 1,4-Dichlorobenzene                                                                                    | 53               |      | 51                |      | 40-140              | 4   |      | 20            |
| 3,3'-Dichlorobenzidine                                                                                 | 48               |      | 41                |      | 40-140              | 16  |      | 20            |
| 2,4-Dinitrotoluene                                                                                     | 65               |      | 56                |      | 40-140              | 15  |      | 20            |
| 2,6-Dinitrotoluene                                                                                     | 70               |      | 58                |      | 40-140              | 19  |      | 20            |
| Azobenzene                                                                                             | 73               |      | 65                |      | 40-140              | 12  |      | 20            |
| Fluoranthene                                                                                           | 60               |      | 56                |      | 40-140              | 7   |      | 20            |
| 4-Bromophenyl phenyl ether                                                                             | 64               |      | 55                |      | 40-140              | 15  |      | 20            |
| Bis(2-chloroisopropyl)ether                                                                            | 73               |      | 63                |      | 40-140              | 15  |      | 20            |
| Bis(2-chloroethoxy)methane                                                                             | 71               |      | 59                |      | 40-140              | 18  |      | 20            |
| Hexachlorobutadiene                                                                                    | 43               |      | 47                |      | 40-140              | 9   |      | 20            |
| Hexachloroethane                                                                                       | 49               |      | 52                |      | 40-140              | 6   |      | 20            |
| Isophorone                                                                                             | 70               |      | 58                |      | 40-140              | 19  |      | 20            |
| Naphthalene                                                                                            | 60               |      | 56                |      | 40-140              | 7   |      | 20            |
| Nitrobenzene                                                                                           | 71               |      | 60                |      | 40-140              | 17  |      | 20            |
| Bis(2-ethylhexyl)phthalate                                                                             | 73               |      | 65                |      | 40-140              | 12  |      | 20            |
| Butyl benzyl phthalate                                                                                 | 67               |      | 64                |      | 40-140              | 5   |      | 20            |

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** TRURO DPW

**Project Number:** TRU250P2

**Lab Number:** L2446578

**Report Date:** 08/26/24

| Parameter                                                                                              | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-05 Batch: WG1962222-2 WG1962222-3 |                  |      |                   |      |                     |     |      |               |
| Di-n-butylphthalate                                                                                    | 68               |      | 60                |      | 40-140              | 13  |      | 20            |
| Di-n-octylphthalate                                                                                    | 71               |      | 65                |      | 40-140              | 9   |      | 20            |
| Diethyl phthalate                                                                                      | 72               |      | 62                |      | 40-140              | 15  |      | 20            |
| Dimethyl phthalate                                                                                     | 69               |      | 59                |      | 40-140              | 16  |      | 20            |
| Benzo(a)anthracene                                                                                     | 63               |      | 58                |      | 40-140              | 8   |      | 20            |
| Benzo(a)pyrene                                                                                         | 57               |      | 53                |      | 40-140              | 7   |      | 20            |
| Benzo(b)fluoranthene                                                                                   | 61               |      | 50                |      | 40-140              | 20  |      | 20            |
| Benzo(k)fluoranthene                                                                                   | 54               |      | 55                |      | 40-140              | 2   |      | 20            |
| Chrysene                                                                                               | 65               |      | 59                |      | 40-140              | 10  |      | 20            |
| Acenaphthylene                                                                                         | 66               |      | 57                |      | 40-140              | 15  |      | 20            |
| Anthracene                                                                                             | 70               |      | 62                |      | 40-140              | 12  |      | 20            |
| Benzo(ghi)perylene                                                                                     | 61               |      | 61                |      | 40-140              | 0   |      | 20            |
| Fluorene                                                                                               | 66               |      | 59                |      | 40-140              | 11  |      | 20            |
| Phenanthrene                                                                                           | 67               |      | 61                |      | 40-140              | 9   |      | 20            |
| Dibenzo(a,h)anthracene                                                                                 | 61               |      | 61                |      | 40-140              | 0   |      | 20            |
| Indeno(1,2,3-cd)pyrene                                                                                 | 56               |      | 59                |      | 40-140              | 5   |      | 20            |
| Pyrene                                                                                                 | 59               |      | 54                |      | 40-140              | 9   |      | 20            |
| Biphenyl                                                                                               | 54               |      | 50                |      | 40-140              | 8   |      | 20            |
| Aniline                                                                                                | 19               | Q    | 11                | Q    | 40-140              | 53  | Q    | 20            |
| 4-Chloroaniline                                                                                        | 56               |      | 44                |      | 40-140              | 24  | Q    | 20            |
| Dibenzofuran                                                                                           | 64               |      | 57                |      | 40-140              | 12  |      | 20            |
| 2-Methylnaphthalene                                                                                    | 59               |      | 54                |      | 40-140              | 9   |      | 20            |
| Acetophenone                                                                                           | 64               |      | 56                |      | 40-140              | 13  |      | 20            |



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU250P2

Lab Number: L2446578

Report Date: 08/26/24

| Parameter                                                                                              | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-05 Batch: WG1962222-2 WG1962222-3 |                  |      |                   |      |                     |     |      |               |
| 2,4,6-Trichlorophenol                                                                                  | 70               |      | 58                |      | 30-130              | 19  |      | 20            |
| 2-Chlorophenol                                                                                         | 68               |      | 59                |      | 30-130              | 14  |      | 20            |
| 2,4-Dichlorophenol                                                                                     | 68               |      | 56                |      | 30-130              | 19  |      | 20            |
| 2,4-Dimethylphenol                                                                                     | 70               |      | 55                |      | 30-130              | 24  | Q    | 20            |
| 2-Nitrophenol                                                                                          | 67               |      | 56                |      | 30-130              | 18  |      | 20            |
| 4-Nitrophenol                                                                                          | 42               |      | 37                |      | 30-130              | 13  |      | 20            |
| 2,4-Dinitrophenol                                                                                      | 89               |      | 81                |      | 30-130              | 9   |      | 20            |
| Pentachlorophenol                                                                                      | 78               |      | 71                |      | 30-130              | 9   |      | 20            |
| Phenol                                                                                                 | 38               |      | 34                |      | 30-130              | 11  |      | 20            |
| 2-Methylphenol                                                                                         | 64               |      | 52                |      | 30-130              | 21  | Q    | 20            |
| 3-Methylphenol/4-Methylphenol                                                                          | 62               |      | 50                |      | 30-130              | 21  | Q    | 20            |
| 2,4,5-Trichlorophenol                                                                                  | 67               |      | 58                |      | 30-130              | 14  |      | 20            |

| Surrogate            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|----------------------|------------------|------|-------------------|------|------------------------|
| 2-Fluorophenol       | 51               |      | 43                |      | 15-110                 |
| Phenol-d6            | 35               |      | 30                |      | 15-110                 |
| Nitrobenzene-d5      | 67               |      | 57                |      | 30-130                 |
| 2-Fluorobiphenyl     | 60               |      | 53                |      | 30-130                 |
| 2,4,6-Tribromophenol | 56               |      | 45                |      | 15-110                 |
| 4-Terphenyl-d14      | 51               |      | 47                |      | 30-130                 |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU250P2

Lab Number: L2446578

Report Date: 08/26/24

| Parameter                                                                                                     | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Semivolatile Organics by SIM - Westborough Lab Associated sample(s): 01-05 Batch: WG1962223-2 WG1962223-3 |                  |      |                   |      |                     |     |      |               |
| Acenaphthene                                                                                                  | 70               |      | 66                |      | 40-140              | 6   |      | 20            |
| 2-Chloronaphthalene                                                                                           | 62               |      | 59                |      | 40-140              | 5   |      | 20            |
| Fluoranthene                                                                                                  | 78               |      | 74                |      | 40-140              | 5   |      | 20            |
| Hexachlorobutadiene                                                                                           | 42               |      | 44                |      | 40-140              | 5   |      | 20            |
| Naphthalene                                                                                                   | 60               |      | 58                |      | 40-140              | 3   |      | 20            |
| Benzo(a)anthracene                                                                                            | 68               |      | 64                |      | 40-140              | 6   |      | 20            |
| Benzo(a)pyrene                                                                                                | 80               |      | 75                |      | 40-140              | 6   |      | 20            |
| Benzo(b)fluoranthene                                                                                          | 75               |      | 68                |      | 40-140              | 10  |      | 20            |
| Benzo(k)fluoranthene                                                                                          | 74               |      | 73                |      | 40-140              | 1   |      | 20            |
| Chrysene                                                                                                      | 72               |      | 67                |      | 40-140              | 7   |      | 20            |
| Acenaphthylene                                                                                                | 72               |      | 67                |      | 40-140              | 7   |      | 20            |
| Anthracene                                                                                                    | 78               |      | 73                |      | 40-140              | 7   |      | 20            |
| Benzo(ghi)perylene                                                                                            | 80               |      | 74                |      | 40-140              | 8   |      | 20            |
| Fluorene                                                                                                      | 73               |      | 68                |      | 40-140              | 7   |      | 20            |
| Phenanthrene                                                                                                  | 72               |      | 68                |      | 40-140              | 6   |      | 20            |
| Dibenzo(a,h)anthracene                                                                                        | 84               |      | 78                |      | 40-140              | 7   |      | 20            |
| Indeno(1,2,3-cd)pyrene                                                                                        | 86               |      | 80                |      | 40-140              | 7   |      | 20            |
| Pyrene                                                                                                        | 78               |      | 73                |      | 40-140              | 7   |      | 20            |
| 2-Methylnaphthalene                                                                                           | 65               |      | 63                |      | 40-140              | 3   |      | 20            |
| Pentachlorophenol                                                                                             | 84               |      | 78                |      | 30-130              | 7   |      | 20            |
| Hexachlorobenzene                                                                                             | 62               |      | 58                |      | 40-140              | 7   |      | 20            |
| Hexachloroethane                                                                                              | 50               |      | 52                |      | 40-140              | 4   |      | 20            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Lab Number: L2446578

Project Number: TRU250P2

Report Date: 08/26/24

| Parameter                                                                                                     | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|---------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| MCP Semivolatile Organics by SIM - Westborough Lab Associated sample(s): 01-05 Batch: WG1962223-2 WG1962223-3 |                  |      |                   |      |                     |     |      |               |

| Surrogate            | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|----------------------|------------------|------|-------------------|------|------------------------|
| 2-Fluorophenol       | 55               |      | 50                |      | 15-110                 |
| Phenol-d6            | 43               |      | 39                |      | 15-110                 |
| Nitrobenzene-d5      | 86               |      | 79                |      | 30-130                 |
| 2-Fluorobiphenyl     | 65               |      | 60                |      | 30-130                 |
| 2,4,6-Tribromophenol | 78               |      | 72                |      | 15-110                 |
| 4-Terphenyl-d14      | 77               |      | 73                |      | 30-130                 |

# **PETROLEUM HYDROCARBONS**

**Project Name:** TRURO DPW**Lab Number:** L2446578**Project Number:** TRU250P2**Report Date:** 08/26/24**SAMPLE RESULTS**

Lab ID: L2446578-01

Client ID: MW-1

Sample Location: TRURO, MA

Date Collected: 08/14/24 12:00

Date Received: 08/15/24

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Analytical Method: 131, VPH-18-2.1

Analytical Date: 08/22/24 06:44

Analyst: MKS

Trap: EST, Carboxen B/Carboxen 1000&amp;1001

Analytical Column: Restek, RTX-502.2,  
105m, 0.53ID, 3um**Quality Control Information**

Condition of sample received:

Satisfactory

Aqueous Preservative:

Laboratory Provided Preserved  
Container

Sample Temperature upon receipt:

Received on Ice

| Parameter                                                | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|----------------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| <b>Volatile Petroleum Hydrocarbons - Westborough Lab</b> |        |           |       |     |     |                 |
| C5-C8 Aliphatics                                         | ND     |           | ug/l  | 100 | --  | 1               |
| C9-C12 Aliphatics                                        | ND     |           | ug/l  | 100 | --  | 1               |
| C9-C10 Aromatics                                         | ND     |           | ug/l  | 100 | --  | 1               |
| C5-C8 Aliphatics, Adjusted                               | ND     |           | ug/l  | 100 | --  | 1               |
| C9-C12 Aliphatics, Adjusted                              | ND     |           | ug/l  | 100 | --  | 1               |

| Surrogate              | % Recovery | Qualifier | Acceptance Criteria |
|------------------------|------------|-----------|---------------------|
| 2,5-Dibromotoluene-PID | 96         |           | 70-130              |
| 2,5-Dibromotoluene-FID | 91         |           | 70-130              |

**Project Name:** TRURO DPW**Lab Number:** L2446578**Project Number:** TRU250P2**Report Date:** 08/26/24**SAMPLE RESULTS**

Lab ID: L2446578-01

Client ID: MW-1

Sample Location: TRURO, MA

Date Collected: 08/14/24 12:00

Date Received: 08/15/24

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Analytical Method: 135,EPH-19-2.1

Analytical Date: 08/22/24 21:23

Analyst: SBC

Extraction Method: EPA 3510C

Extraction Date: 08/21/24 23:37

Cleanup Method1: EPH-19-2.1

Cleanup Date1: 08/22/24

**Quality Control Information**

Condition of sample received:

Satisfactory

Aqueous Preservative:

Laboratory Provided Preserved  
Container

Sample Temperature upon receipt:

Received on Ice

Sample Extraction method:

Extracted Per the Method

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

**Extractable Petroleum Hydrocarbons - Westborough Lab**

|                             |    |  |      |     |    |   |
|-----------------------------|----|--|------|-----|----|---|
| C9-C18 Aliphatics           | ND |  | ug/l | 100 | -- | 1 |
| C19-C36 Aliphatics          | ND |  | ug/l | 100 | -- | 1 |
| C11-C22 Aromatics           | ND |  | ug/l | 100 | -- | 1 |
| C11-C22 Aromatics, Adjusted | ND |  | ug/l | 100 | -- | 1 |

| Surrogate          | % Recovery | Qualifier | Acceptance<br>Criteria |
|--------------------|------------|-----------|------------------------|
| Chloro-Octadecane  | 48         |           | 40-140                 |
| o-Terphenyl        | 54         |           | 40-140                 |
| 2-Fluorobiphenyl   | 57         |           | 40-140                 |
| 2-Bromonaphthalene | 59         |           | 40-140                 |



**Project Name:** TRURO DPW**Lab Number:** L2446578**Project Number:** TRU250P2**Report Date:** 08/26/24**SAMPLE RESULTS**

Lab ID: L2446578-02

Client ID: MW-2

Sample Location: TRURO, MA

Date Collected: 08/14/24 10:30

Date Received: 08/15/24

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Analytical Method: 131, VPH-18-2.1

Analytical Date: 08/22/24 07:14

Analyst: MKS

Trap: EST, Carboxen B/Carboxen 1000&amp;1001

Analytical Column: Restek, RTX-502.2,  
105m, 0.53ID, 3um**Quality Control Information**

Condition of sample received:

Satisfactory

Aqueous Preservative:

Laboratory Provided Preserved  
Container

Sample Temperature upon receipt:

Received on Ice

| Parameter                                                | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|----------------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| <b>Volatile Petroleum Hydrocarbons - Westborough Lab</b> |        |           |       |     |     |                 |
| C5-C8 Aliphatics                                         | ND     |           | ug/l  | 100 | --  | 1               |
| C9-C12 Aliphatics                                        | ND     |           | ug/l  | 100 | --  | 1               |
| C9-C10 Aromatics                                         | ND     |           | ug/l  | 100 | --  | 1               |
| C5-C8 Aliphatics, Adjusted                               | ND     |           | ug/l  | 100 | --  | 1               |
| C9-C12 Aliphatics, Adjusted                              | ND     |           | ug/l  | 100 | --  | 1               |

| Surrogate              | % Recovery | Qualifier | Acceptance<br>Criteria |
|------------------------|------------|-----------|------------------------|
| 2,5-Dibromotoluene-PID | 95         |           | 70-130                 |
| 2,5-Dibromotoluene-FID | 90         |           | 70-130                 |

**Project Name:** TRURO DPW**Lab Number:** L2446578**Project Number:** TRU250P2**Report Date:** 08/26/24**SAMPLE RESULTS**

Lab ID: L2446578-02

Client ID: MW-2

Sample Location: TRURO, MA

Date Collected: 08/14/24 10:30

Date Received: 08/15/24

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Analytical Method: 135,EPH-19-2.1

Analytical Date: 08/22/24 21:48

Analyst: SBC

Extraction Method: EPA 3510C

Extraction Date: 08/21/24 23:37

Cleanup Method1: EPH-19-2.1

Cleanup Date1: 08/22/24

**Quality Control Information**

Condition of sample received:

Satisfactory

Aqueous Preservative:

Laboratory Provided Preserved  
Container

Sample Temperature upon receipt:

Received on Ice

Sample Extraction method:

Extracted Per the Method

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

**Extractable Petroleum Hydrocarbons - Westborough Lab**

|                             |    |  |      |     |    |   |
|-----------------------------|----|--|------|-----|----|---|
| C9-C18 Aliphatics           | ND |  | ug/l | 100 | -- | 1 |
| C19-C36 Aliphatics          | ND |  | ug/l | 100 | -- | 1 |
| C11-C22 Aromatics           | ND |  | ug/l | 100 | -- | 1 |
| C11-C22 Aromatics, Adjusted | ND |  | ug/l | 100 | -- | 1 |

| Surrogate          | % Recovery | Qualifier | Acceptance<br>Criteria |
|--------------------|------------|-----------|------------------------|
| Chloro-Octadecane  | 53         |           | 40-140                 |
| o-Terphenyl        | 74         |           | 40-140                 |
| 2-Fluorobiphenyl   | 75         |           | 40-140                 |
| 2-Bromonaphthalene | 77         |           | 40-140                 |





**Project Name:** TRURO DPW**Lab Number:** L2446578**Project Number:** TRU250P2**Report Date:** 08/26/24**SAMPLE RESULTS**

Lab ID: L2446578-03

Client ID: MW-3

Sample Location: TRURO, MA

Date Collected: 08/14/24 13:30

Date Received: 08/15/24

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Analytical Method: 131, VPH-18-2.1

Analytical Date: 08/22/24 07:44

Analyst: MKS

Trap: EST, Carboxen B/Carboxen 1000&amp;1001

Analytical Column: Restek, RTX-502.2,  
105m, 0.53ID, 3um**Quality Control Information**

Condition of sample received:

Satisfactory

Aqueous Preservative:

Laboratory Provided Preserved  
Container

Sample Temperature upon receipt:

Received on Ice

| Parameter                                                | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|----------------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| <b>Volatile Petroleum Hydrocarbons - Westborough Lab</b> |        |           |       |     |     |                 |
| C5-C8 Aliphatics                                         | ND     |           | ug/l  | 100 | --  | 1               |
| C9-C12 Aliphatics                                        | ND     |           | ug/l  | 100 | --  | 1               |
| C9-C10 Aromatics                                         | ND     |           | ug/l  | 100 | --  | 1               |
| C5-C8 Aliphatics, Adjusted                               | ND     |           | ug/l  | 100 | --  | 1               |
| C9-C12 Aliphatics, Adjusted                              | ND     |           | ug/l  | 100 | --  | 1               |

| Surrogate              | % Recovery | Qualifier | Acceptance<br>Criteria |
|------------------------|------------|-----------|------------------------|
| 2,5-Dibromotoluene-PID | 96         |           | 70-130                 |
| 2,5-Dibromotoluene-FID | 92         |           | 70-130                 |

**Project Name:** TRURO DPW**Lab Number:** L2446578**Project Number:** TRU250P2**Report Date:** 08/26/24**SAMPLE RESULTS**

Lab ID: L2446578-03

Client ID: MW-3

Sample Location: TRURO, MA

Date Collected: 08/14/24 13:30

Date Received: 08/15/24

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Analytical Method: 135,EPH-19-2.1

Analytical Date: 08/22/24 22:13

Analyst: ALL

Extraction Method: EPA 3510C

Extraction Date: 08/21/24 23:37

Cleanup Method1: EPH-19-2.1

Cleanup Date1: 08/22/24

**Quality Control Information**

Condition of sample received:

Satisfactory

Aqueous Preservative:

Laboratory Provided Preserved  
Container

Sample Temperature upon receipt:

Received on Ice

Sample Extraction method:

Extracted Per the Method

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

**Extractable Petroleum Hydrocarbons - Westborough Lab**

|                             |    |  |      |     |    |   |
|-----------------------------|----|--|------|-----|----|---|
| C9-C18 Aliphatics           | ND |  | ug/l | 100 | -- | 1 |
| C19-C36 Aliphatics          | ND |  | ug/l | 100 | -- | 1 |
| C11-C22 Aromatics           | ND |  | ug/l | 100 | -- | 1 |
| C11-C22 Aromatics, Adjusted | ND |  | ug/l | 100 | -- | 1 |

| Surrogate          | % Recovery | Qualifier | Acceptance<br>Criteria |
|--------------------|------------|-----------|------------------------|
| Chloro-Octadecane  | 75         |           | 40-140                 |
| o-Terphenyl        | 62         |           | 40-140                 |
| 2-Fluorobiphenyl   | 63         |           | 40-140                 |
| 2-Bromonaphthalene | 66         |           | 40-140                 |



**Project Name:** TRURO DPW**Lab Number:** L2446578**Project Number:** TRU250P2**Report Date:** 08/26/24**SAMPLE RESULTS**

Lab ID: L2446578-04

Client ID: MW-4

Sample Location: TRURO, MA

Date Collected: 08/15/24 12:00

Date Received: 08/15/24

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Analytical Method: 131, VPH-18-2.1

Analytical Date: 08/22/24 08:14

Analyst: MKS

Trap: EST, Carboxen B/Carboxen 1000&amp;1001

Analytical Column: Restek, RTX-502.2,  
105m, 0.53ID, 3um**Quality Control Information**

Condition of sample received:

Satisfactory

Aqueous Preservative:

Laboratory Provided Preserved  
Container

Sample Temperature upon receipt:

Received on Ice

| Parameter                                                | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|----------------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| <b>Volatile Petroleum Hydrocarbons - Westborough Lab</b> |        |           |       |     |     |                 |
| C5-C8 Aliphatics                                         | ND     |           | ug/l  | 100 | --  | 1               |
| C9-C12 Aliphatics                                        | ND     |           | ug/l  | 100 | --  | 1               |
| C9-C10 Aromatics                                         | ND     |           | ug/l  | 100 | --  | 1               |
| C5-C8 Aliphatics, Adjusted                               | ND     |           | ug/l  | 100 | --  | 1               |
| C9-C12 Aliphatics, Adjusted                              | ND     |           | ug/l  | 100 | --  | 1               |

| Surrogate              | % Recovery | Qualifier | Acceptance<br>Criteria |
|------------------------|------------|-----------|------------------------|
| 2,5-Dibromotoluene-PID | 94         |           | 70-130                 |
| 2,5-Dibromotoluene-FID | 89         |           | 70-130                 |

**Project Name:** TRURO DPW**Lab Number:** L2446578**Project Number:** TRU250P2**Report Date:** 08/26/24**SAMPLE RESULTS**

Lab ID: L2446578-04

Client ID: MW-4

Sample Location: TRURO, MA

Date Collected: 08/15/24 12:00

Date Received: 08/15/24

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Analytical Method: 135,EPH-19-2.1

Analytical Date: 08/22/24 22:48

Analyst: ALL

Extraction Method: EPA 3510C

Extraction Date: 08/21/24 23:37

Cleanup Method1: EPH-19-2.1

Cleanup Date1: 08/22/24

**Quality Control Information**

Condition of sample received:

Satisfactory

Aqueous Preservative:

Laboratory Provided Preserved  
Container

Sample Temperature upon receipt:

Received on Ice

Sample Extraction method:

Extracted Per the Method

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

**Extractable Petroleum Hydrocarbons - Westborough Lab**

|                             |    |  |      |     |    |   |
|-----------------------------|----|--|------|-----|----|---|
| C9-C18 Aliphatics           | ND |  | ug/l | 100 | -- | 1 |
| C19-C36 Aliphatics          | ND |  | ug/l | 100 | -- | 1 |
| C11-C22 Aromatics           | ND |  | ug/l | 100 | -- | 1 |
| C11-C22 Aromatics, Adjusted | ND |  | ug/l | 100 | -- | 1 |

| Surrogate          | % Recovery | Qualifier | Acceptance<br>Criteria |
|--------------------|------------|-----------|------------------------|
| Chloro-Octadecane  | 49         |           | 40-140                 |
| o-Terphenyl        | 56         |           | 40-140                 |
| 2-Fluorobiphenyl   | 64         |           | 40-140                 |
| 2-Bromonaphthalene | 65         |           | 40-140                 |



**Project Name:** TRURO DPW**Lab Number:** L2446578**Project Number:** TRU250P2**Report Date:** 08/26/24**SAMPLE RESULTS**

Lab ID: L2446578-05

Client ID: MW-5

Sample Location: TRURO, MA

Date Collected: 08/14/24 09:00

Date Received: 08/15/24

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Analytical Method: 131, VPH-18-2.1

Analytical Date: 08/22/24 08:44

Analyst: MKS

Trap: EST, Carboxen B/Carboxen 1000&amp;1001

Analytical Column: Restek, RTX-502.2,  
105m, 0.53ID, 3um**Quality Control Information**

Condition of sample received:

Satisfactory

Aqueous Preservative:

Laboratory Provided Preserved  
Container

Sample Temperature upon receipt:

Received on Ice

| Parameter                                                | Result | Qualifier | Units | RL  | MDL | Dilution Factor |
|----------------------------------------------------------|--------|-----------|-------|-----|-----|-----------------|
| <b>Volatile Petroleum Hydrocarbons - Westborough Lab</b> |        |           |       |     |     |                 |
| C5-C8 Aliphatics                                         | ND     |           | ug/l  | 100 | --  | 1               |
| C9-C12 Aliphatics                                        | ND     |           | ug/l  | 100 | --  | 1               |
| C9-C10 Aromatics                                         | ND     |           | ug/l  | 100 | --  | 1               |
| C5-C8 Aliphatics, Adjusted                               | ND     |           | ug/l  | 100 | --  | 1               |
| C9-C12 Aliphatics, Adjusted                              | ND     |           | ug/l  | 100 | --  | 1               |

| Surrogate              | % Recovery | Qualifier | Acceptance Criteria |
|------------------------|------------|-----------|---------------------|
| 2,5-Dibromotoluene-PID | 94         |           | 70-130              |
| 2,5-Dibromotoluene-FID | 89         |           | 70-130              |



**Project Name:** TRURO DPW**Lab Number:** L2446578**Project Number:** TRU250P2**Report Date:** 08/26/24**SAMPLE RESULTS**

Lab ID: L2446578-05

Client ID: MW-5

Sample Location: TRURO, MA

Date Collected: 08/14/24 09:00

Date Received: 08/15/24

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Analytical Method: 135,EPH-19-2.1

Analytical Date: 08/22/24 20:57

Analyst: SBC

Extraction Method: EPA 3510C

Extraction Date: 08/21/24 23:37

Cleanup Method1: EPH-19-2.1

Cleanup Date1: 08/22/24

**Quality Control Information**

Condition of sample received:

Satisfactory

Aqueous Preservative:

Laboratory Provided Preserved  
Container

Sample Temperature upon receipt:

Received on Ice

Sample Extraction method:

Extracted Per the Method

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|-----------|--------|-----------|-------|----|-----|-----------------|
|-----------|--------|-----------|-------|----|-----|-----------------|

**Extractable Petroleum Hydrocarbons - Westborough Lab**

|                             |    |  |      |     |    |   |
|-----------------------------|----|--|------|-----|----|---|
| C9-C18 Aliphatics           | ND |  | ug/l | 100 | -- | 1 |
| C19-C36 Aliphatics          | ND |  | ug/l | 100 | -- | 1 |
| C11-C22 Aromatics           | ND |  | ug/l | 100 | -- | 1 |
| C11-C22 Aromatics, Adjusted | ND |  | ug/l | 100 | -- | 1 |

| Surrogate          | % Recovery | Qualifier | Acceptance<br>Criteria |
|--------------------|------------|-----------|------------------------|
| Chloro-Octadecane  | 58         |           | 40-140                 |
| o-Terphenyl        | 51         |           | 40-140                 |
| 2-Fluorobiphenyl   | 52         |           | 40-140                 |
| 2-Bromonaphthalene | 53         |           | 40-140                 |



**Project Name:** TRURO DPW  
**Project Number:** TRU250P2

**Lab Number:** L2446578  
**Report Date:** 08/26/24

**Method Blank Analysis**  
**Batch Quality Control**

**Analytical Method:** 135,EPH-19-2.1  
**Analytical Date:** 08/22/24 09:25  
**Analyst:** ALL

**Extraction Method:** EPA 3510C  
**Extraction Date:** 08/20/24 23:52  
**Cleanup Method:** EPH-19-2.1  
**Cleanup Date:** 08/21/24

| Parameter                                                                                    | Result | Qualifier | Units | RL  | MDL |
|----------------------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| Extractable Petroleum Hydrocarbons - Westborough Lab for sample(s): 01-05 Batch: WG1961805-1 |        |           |       |     |     |
| C9-C18 Aliphatics                                                                            | ND     |           | ug/l  | 100 | --  |
| C19-C36 Aliphatics                                                                           | ND     |           | ug/l  | 100 | --  |
| C11-C22 Aromatics                                                                            | ND     |           | ug/l  | 100 | --  |
| C11-C22 Aromatics, Adjusted                                                                  | ND     |           | ug/l  | 100 | --  |

| Surrogate          | %Recovery | Qualifier | Acceptance Criteria |
|--------------------|-----------|-----------|---------------------|
| Chloro-Octadecane  | 58        |           | 40-140              |
| o-Terphenyl        | 61        |           | 40-140              |
| 2-Fluorobiphenyl   | 64        |           | 40-140              |
| 2-Bromonaphthalene | 66        |           | 40-140              |

**Project Name:** TRURO DPW  
**Project Number:** TRU250P2

**Lab Number:** L2446578  
**Report Date:** 08/26/24

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 131, VPH-18-2.1  
 Analytical Date: 08/21/24 23:44  
 Analyst: MKS

| Parameter                                                                                 | Result | Qualifier | Units | RL  | MDL |
|-------------------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|
| Volatile Petroleum Hydrocarbons - Westborough Lab for sample(s): 01-05 Batch: WG1962647-4 |        |           |       |     |     |
| C5-C8 Aliphatics                                                                          | ND     |           | ug/l  | 100 | --  |
| C9-C12 Aliphatics                                                                         | ND     |           | ug/l  | 100 | --  |
| C9-C10 Aromatics                                                                          | ND     |           | ug/l  | 100 | --  |
| C5-C8 Aliphatics, Adjusted                                                                | ND     |           | ug/l  | 100 | --  |
| C9-C12 Aliphatics, Adjusted                                                               | ND     |           | ug/l  | 100 | --  |

| Surrogate              | %Recovery | Qualifier | Acceptance Criteria |
|------------------------|-----------|-----------|---------------------|
| 2,5-Dibromotoluene-PID | 99        |           | 70-130              |
| 2,5-Dibromotoluene-FID | 94        |           | 70-130              |



# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** TRURO DPW

**Project Number:** TRU250P2

**Lab Number:** L2446578

**Report Date:** 08/26/24

| Parameter                                                                                                       | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01-05 Batch: WG1961805-2 WG1961805-3 |                  |      |                   |      |                     |     |      |               |
| C9-C18 Aliphatics                                                                                               | 64               |      | 60                |      | 40-140              | 6   |      | 20            |
| C19-C36 Aliphatics                                                                                              | 70               |      | 68                |      | 40-140              | 3   |      | 20            |
| C11-C22 Aromatics                                                                                               | 57               |      | 65                |      | 40-140              | 13  |      | 20            |
| Naphthalene                                                                                                     | 54               |      | 61                |      | 40-140              | 12  |      | 20            |
| 2-Methylnaphthalene                                                                                             | 55               |      | 62                |      | 40-140              | 12  |      | 20            |
| Acenaphthylene                                                                                                  | 54               |      | 62                |      | 40-140              | 14  |      | 20            |
| Acenaphthene                                                                                                    | 56               |      | 63                |      | 40-140              | 12  |      | 20            |
| Fluorene                                                                                                        | 56               |      | 64                |      | 40-140              | 13  |      | 20            |
| Phenanthrene                                                                                                    | 55               |      | 63                |      | 40-140              | 14  |      | 20            |
| Anthracene                                                                                                      | 69               |      | 79                |      | 40-140              | 14  |      | 20            |
| Fluoranthene                                                                                                    | 56               |      | 64                |      | 40-140              | 13  |      | 20            |
| Pyrene                                                                                                          | 54               |      | 62                |      | 40-140              | 14  |      | 20            |
| Benzo(a)anthracene                                                                                              | 57               |      | 64                |      | 40-140              | 12  |      | 20            |
| Chrysene                                                                                                        | 55               |      | 62                |      | 40-140              | 12  |      | 20            |
| Benzo(b)fluoranthene                                                                                            | 54               |      | 61                |      | 40-140              | 12  |      | 20            |
| Benzo(k)fluoranthene                                                                                            | 54               |      | 61                |      | 40-140              | 12  |      | 20            |
| Benzo(a)pyrene                                                                                                  | 66               |      | 74                |      | 40-140              | 11  |      | 20            |
| Indeno(1,2,3-cd)Pyrene                                                                                          | 55               |      | 62                |      | 40-140              | 12  |      | 20            |
| Dibenzo(a,h)anthracene                                                                                          | 50               |      | 56                |      | 40-140              | 11  |      | 20            |
| Benzo(ghi)perylene                                                                                              | 46               |      | 52                |      | 40-140              | 12  |      | 20            |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Lab Number: L2446578

Project Number: TRU250P2

Report Date: 08/26/24

| Parameter                                                                                                       | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01-05 Batch: WG1961805-2 WG1961805-3 |                  |      |                   |      |                     |     |      |               |

| Surrogate                          | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|------------------------------------|------------------|------|-------------------|------|------------------------|
| Chloro-Octadecane                  | 59               |      | 58                |      | 40-140                 |
| o-Terphenyl                        | 56               |      | 63                |      | 40-140                 |
| 2-Fluorobiphenyl                   | 58               |      | 68                |      | 40-140                 |
| 2-Bromonaphthalene                 | 59               |      | 69                |      | 40-140                 |
| % Naphthalene Breakthrough         | 0                |      | 0                 |      |                        |
| % 2-Methylnaphthalene Breakthrough | 0                |      | 0                 |      |                        |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU250P2

Lab Number: L2446578

Report Date: 08/26/24

| Parameter                                                                                                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|--------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Volatile Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01-05 Batch: WG1962647-2 WG1962647-3 |                  |      |                   |      |                     |     |      |               |
| C5-C8 Aliphatics                                                                                             | 106              |      | 111               |      | 70-130              | 5   |      | 25            |
| C9-C12 Aliphatics                                                                                            | 100              |      | 104               |      | 70-130              | 4   |      | 25            |
| C9-C10 Aromatics                                                                                             | 106              |      | 111               |      | 70-130              | 5   |      | 25            |
| Benzene                                                                                                      | 111              |      | 117               |      | 70-130              | 5   |      | 25            |
| Toluene                                                                                                      | 111              |      | 116               |      | 70-130              | 4   |      | 25            |
| Ethylbenzene                                                                                                 | 114              |      | 117               |      | 70-130              | 3   |      | 25            |
| p/m-Xylene                                                                                                   | 110              |      | 113               |      | 70-130              | 3   |      | 25            |
| o-Xylene                                                                                                     | 111              |      | 114               |      | 70-130              | 3   |      | 25            |
| Methyl tert butyl ether                                                                                      | 109              |      | 116               |      | 70-130              | 6   |      | 25            |
| Naphthalene                                                                                                  | 105              |      | 118               |      | 70-130              | 12  |      | 25            |
| 1,2,4-Trimethylbenzene                                                                                       | 106              |      | 111               |      | 70-130              | 5   |      | 25            |
| Pentane                                                                                                      | 102              |      | 107               |      | 70-130              | 5   |      | 25            |
| 2-Methylpentane                                                                                              | 109              |      | 113               |      | 70-130              | 4   |      | 25            |
| 2,2,4-Trimethylpentane                                                                                       | 104              |      | 108               |      | 70-130              | 4   |      | 25            |
| n-Nonane                                                                                                     | 98               |      | 102               |      | 30-130              | 4   |      | 25            |
| n-Decane                                                                                                     | 100              |      | 104               |      | 70-130              | 4   |      | 25            |
| n-Butylcyclohexane                                                                                           | 102              |      | 106               |      | 70-130              | 4   |      | 25            |

| Surrogate              | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria |
|------------------------|------------------|------|-------------------|------|------------------------|
| 2,5-Dibromotoluene-PID | 105              |      | 116               |      | 70-130                 |
| 2,5-Dibromotoluene-FID | 98               |      | 108               |      | 70-130                 |

# PCBS

**Project Name:** TRURO DPW  
**Project Number:** TRU250P2

**Lab Number:** L2446578  
**Report Date:** 08/26/24

**SAMPLE RESULTS**

**Lab ID:** L2446578-01  
**Client ID:** MW-1  
**Sample Location:** TRURO, MA

**Date Collected:** 08/14/24 12:00  
**Date Received:** 08/15/24  
**Field Prep:** Refer to COC

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 97,8082A  
**Analytical Date:** 08/24/24 11:09  
**Analyst:** SDC

**Extraction Method:** EPA 3510C  
**Extraction Date:** 08/23/24 18:41  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 08/24/24  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 08/24/24

| Parameter                                       | Result | Qualifier | Units | RL    | MDL | Dilution Factor | Column |
|-------------------------------------------------|--------|-----------|-------|-------|-----|-----------------|--------|
| MCP Polychlorinated Biphenyls - Westborough Lab |        |           |       |       |     |                 |        |
| Aroclor 1016                                    | ND     |           | ug/l  | 0.250 | --  | 1               | A      |
| Aroclor 1221                                    | ND     |           | ug/l  | 0.250 | --  | 1               | A      |
| Aroclor 1232                                    | ND     |           | ug/l  | 0.250 | --  | 1               | A      |
| Aroclor 1242                                    | ND     |           | ug/l  | 0.250 | --  | 1               | A      |
| Aroclor 1248                                    | ND     |           | ug/l  | 0.250 | --  | 1               | A      |
| Aroclor 1254                                    | ND     |           | ug/l  | 0.250 | --  | 1               | A      |
| Aroclor 1260                                    | ND     |           | ug/l  | 0.250 | --  | 1               | B      |
| Aroclor 1262                                    | ND     |           | ug/l  | 0.250 | --  | 1               | A      |
| Aroclor 1268                                    | ND     |           | ug/l  | 0.250 | --  | 1               | A      |
| PCBs, Total                                     | ND     |           | ug/l  | 0.250 | --  | 1               | B      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 67         |           | 30-150              | A      |
| Decachlorobiphenyl           | 71         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 72         |           | 30-150              | B      |
| Decachlorobiphenyl           | 85         |           | 30-150              | B      |

**Project Name:** TRURO DPW  
**Project Number:** TRU250P2

**Lab Number:** L2446578  
**Report Date:** 08/26/24

**SAMPLE RESULTS**

**Lab ID:** L2446578-02  
**Client ID:** MW-2  
**Sample Location:** TRURO, MA

**Date Collected:** 08/14/24 10:30  
**Date Received:** 08/15/24  
**Field Prep:** Refer to COC

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 97,8082A  
**Analytical Date:** 08/24/24 11:19  
**Analyst:** SDC

**Extraction Method:** EPA 3510C  
**Extraction Date:** 08/23/24 18:41  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 08/24/24  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 08/24/24

| Parameter                                       | Result | Qualifier | Units | RL    | MDL | Dilution Factor | Column |
|-------------------------------------------------|--------|-----------|-------|-------|-----|-----------------|--------|
| MCP Polychlorinated Biphenyls - Westborough Lab |        |           |       |       |     |                 |        |
| Aroclor 1016                                    | ND     |           | ug/l  | 0.250 | --  | 1               | A      |
| Aroclor 1221                                    | ND     |           | ug/l  | 0.250 | --  | 1               | A      |
| Aroclor 1232                                    | ND     |           | ug/l  | 0.250 | --  | 1               | A      |
| Aroclor 1242                                    | ND     |           | ug/l  | 0.250 | --  | 1               | A      |
| Aroclor 1248                                    | ND     |           | ug/l  | 0.250 | --  | 1               | A      |
| Aroclor 1254                                    | ND     |           | ug/l  | 0.250 | --  | 1               | A      |
| Aroclor 1260                                    | ND     |           | ug/l  | 0.250 | --  | 1               | A      |
| Aroclor 1262                                    | ND     |           | ug/l  | 0.250 | --  | 1               | A      |
| Aroclor 1268                                    | ND     |           | ug/l  | 0.250 | --  | 1               | A      |
| PCBs, Total                                     | ND     |           | ug/l  | 0.250 | --  | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 66         |           | 30-150              | A      |
| Decachlorobiphenyl           | 73         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 73         |           | 30-150              | B      |
| Decachlorobiphenyl           | 86         |           | 30-150              | B      |

**Project Name:** TRURO DPW  
**Project Number:** TRU250P2

**Lab Number:** L2446578  
**Report Date:** 08/26/24

**SAMPLE RESULTS**

**Lab ID:** L2446578-03  
**Client ID:** MW-3  
**Sample Location:** TRURO, MA

**Date Collected:** 08/14/24 13:30  
**Date Received:** 08/15/24  
**Field Prep:** Refer to COC

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 97,8082A  
**Analytical Date:** 08/24/24 11:28  
**Analyst:** SDC

**Extraction Method:** EPA 3510C  
**Extraction Date:** 08/23/24 18:41  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 08/24/24  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 08/24/24

| Parameter                                       | Result | Qualifier | Units | RL    | MDL | Dilution Factor | Column |
|-------------------------------------------------|--------|-----------|-------|-------|-----|-----------------|--------|
| MCP Polychlorinated Biphenyls - Westborough Lab |        |           |       |       |     |                 |        |
| Aroclor 1016                                    | ND     |           | ug/l  | 0.250 | --  | 1               | A      |
| Aroclor 1221                                    | ND     |           | ug/l  | 0.250 | --  | 1               | A      |
| Aroclor 1232                                    | ND     |           | ug/l  | 0.250 | --  | 1               | A      |
| Aroclor 1242                                    | ND     |           | ug/l  | 0.250 | --  | 1               | A      |
| Aroclor 1248                                    | ND     |           | ug/l  | 0.250 | --  | 1               | A      |
| Aroclor 1254                                    | ND     |           | ug/l  | 0.250 | --  | 1               | A      |
| Aroclor 1260                                    | ND     |           | ug/l  | 0.250 | --  | 1               | A      |
| Aroclor 1262                                    | ND     |           | ug/l  | 0.250 | --  | 1               | A      |
| Aroclor 1268                                    | ND     |           | ug/l  | 0.250 | --  | 1               | A      |
| PCBs, Total                                     | ND     |           | ug/l  | 0.250 | --  | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 72         |           | 30-150              | A      |
| Decachlorobiphenyl           | 77         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 78         |           | 30-150              | B      |
| Decachlorobiphenyl           | 97         |           | 30-150              | B      |

**Project Name:** TRURO DPW  
**Project Number:** TRU250P2

**Lab Number:** L2446578  
**Report Date:** 08/26/24

**SAMPLE RESULTS**

**Lab ID:** L2446578-04  
**Client ID:** MW-4  
**Sample Location:** TRURO, MA

**Date Collected:** 08/15/24 12:00  
**Date Received:** 08/15/24  
**Field Prep:** Refer to COC

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 97,8082A  
**Analytical Date:** 08/24/24 11:38  
**Analyst:** SDC

**Extraction Method:** EPA 3510C  
**Extraction Date:** 08/23/24 18:41  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 08/24/24  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 08/24/24

| Parameter                                       | Result | Qualifier | Units | RL    | MDL | Dilution Factor | Column |
|-------------------------------------------------|--------|-----------|-------|-------|-----|-----------------|--------|
| MCP Polychlorinated Biphenyls - Westborough Lab |        |           |       |       |     |                 |        |
| Aroclor 1016                                    | ND     |           | ug/l  | 0.250 | --  | 1               | A      |
| Aroclor 1221                                    | ND     |           | ug/l  | 0.250 | --  | 1               | A      |
| Aroclor 1232                                    | ND     |           | ug/l  | 0.250 | --  | 1               | A      |
| Aroclor 1242                                    | ND     |           | ug/l  | 0.250 | --  | 1               | A      |
| Aroclor 1248                                    | ND     |           | ug/l  | 0.250 | --  | 1               | A      |
| Aroclor 1254                                    | ND     |           | ug/l  | 0.250 | --  | 1               | A      |
| Aroclor 1260                                    | ND     |           | ug/l  | 0.250 | --  | 1               | B      |
| Aroclor 1262                                    | ND     |           | ug/l  | 0.250 | --  | 1               | A      |
| Aroclor 1268                                    | ND     |           | ug/l  | 0.250 | --  | 1               | A      |
| PCBs, Total                                     | ND     |           | ug/l  | 0.250 | --  | 1               | B      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 67         |           | 30-150              | A      |
| Decachlorobiphenyl           | 54         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 70         |           | 30-150              | B      |
| Decachlorobiphenyl           | 68         |           | 30-150              | B      |



**Project Name:** TRURO DPW  
**Project Number:** TRU250P2

**Lab Number:** L2446578  
**Report Date:** 08/26/24

**SAMPLE RESULTS**

**Lab ID:** L2446578-05  
**Client ID:** MW-5  
**Sample Location:** TRURO, MA

**Date Collected:** 08/14/24 09:00  
**Date Received:** 08/15/24  
**Field Prep:** Refer to COC

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 97,8082A  
**Analytical Date:** 08/24/24 11:47  
**Analyst:** SDC

**Extraction Method:** EPA 3510C  
**Extraction Date:** 08/23/24 18:41  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 08/24/24  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 08/24/24

| Parameter                                       | Result | Qualifier | Units | RL    | MDL | Dilution Factor | Column |
|-------------------------------------------------|--------|-----------|-------|-------|-----|-----------------|--------|
| MCP Polychlorinated Biphenyls - Westborough Lab |        |           |       |       |     |                 |        |
| Aroclor 1016                                    | ND     |           | ug/l  | 0.250 | --  | 1               | A      |
| Aroclor 1221                                    | ND     |           | ug/l  | 0.250 | --  | 1               | A      |
| Aroclor 1232                                    | ND     |           | ug/l  | 0.250 | --  | 1               | A      |
| Aroclor 1242                                    | ND     |           | ug/l  | 0.250 | --  | 1               | A      |
| Aroclor 1248                                    | ND     |           | ug/l  | 0.250 | --  | 1               | A      |
| Aroclor 1254                                    | ND     |           | ug/l  | 0.250 | --  | 1               | A      |
| Aroclor 1260                                    | ND     |           | ug/l  | 0.250 | --  | 1               | B      |
| Aroclor 1262                                    | ND     |           | ug/l  | 0.250 | --  | 1               | A      |
| Aroclor 1268                                    | ND     |           | ug/l  | 0.250 | --  | 1               | A      |
| PCBs, Total                                     | ND     |           | ug/l  | 0.250 | --  | 1               | B      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 69         |           | 30-150              | A      |
| Decachlorobiphenyl           | 73         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 74         |           | 30-150              | B      |
| Decachlorobiphenyl           | 86         |           | 30-150              | B      |

**Project Name:** TRURO DPW  
**Project Number:** TRU250P2

**Lab Number:** L2446578  
**Report Date:** 08/26/24

### Method Blank Analysis Batch Quality Control

**Analytical Method:** 97,8082A  
**Analytical Date:** 08/24/24 10:32  
**Analyst:** SDC

**Extraction Method:** EPA 3510C  
**Extraction Date:** 08/23/24 18:41  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 08/24/24  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 08/24/24

| Parameter                                                                               | Result | Qualifier | Units | RL    | MDL | Column |
|-----------------------------------------------------------------------------------------|--------|-----------|-------|-------|-----|--------|
| MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01-05 Batch: WG1963257-1 |        |           |       |       |     |        |
| Aroclor 1016                                                                            | ND     |           | ug/l  | 0.250 | --  | A      |
| Aroclor 1221                                                                            | ND     |           | ug/l  | 0.250 | --  | A      |
| Aroclor 1232                                                                            | ND     |           | ug/l  | 0.250 | --  | A      |
| Aroclor 1242                                                                            | ND     |           | ug/l  | 0.250 | --  | A      |
| Aroclor 1248                                                                            | ND     |           | ug/l  | 0.250 | --  | A      |
| Aroclor 1254                                                                            | ND     |           | ug/l  | 0.250 | --  | A      |
| Aroclor 1262                                                                            | ND     |           | ug/l  | 0.250 | --  | A      |
| Aroclor 1268                                                                            | ND     |           | ug/l  | 0.250 | --  | A      |
| Aroclor 1260                                                                            | ND     |           | ug/l  | 0.250 | --  | B      |
| PCBs, Total                                                                             | ND     |           | ug/l  | 0.250 | --  | B      |

| Surrogate                    | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 62        |           | 30-150                 | A      |
| Decachlorobiphenyl           | 68        |           | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 66        |           | 30-150                 | B      |
| Decachlorobiphenyl           | 72        |           | 30-150                 | B      |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU250P2

Lab Number: L2446578

Report Date: 08/26/24

| Parameter                                                                                                  | LCS<br>%Recovery | Qual | LCS<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|------------------------------------------------------------------------------------------------------------|------------------|------|------------------|------|---------------------|-----|------|---------------|--------|
| MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01-05 Batch: WG1963257-2 WG1963257-3 |                  |      |                  |      |                     |     |      |               |        |
| Aroclor 1016                                                                                               | 64               |      | 66               |      | 40-140              | 2   |      | 20            | A      |
| Aroclor 1260                                                                                               | 69               |      | 71               |      | 40-140              | 2   |      | 20            | A      |

| Surrogate                    | LCS<br>%Recovery | Qual | LCS<br>%Recovery | Qual | Acceptance<br>Criteria | Column |
|------------------------------|------------------|------|------------------|------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 65               |      | 64               |      | 30-150                 | A      |
| Decachlorobiphenyl           | 75               |      | 77               |      | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 71               |      | 70               |      | 30-150                 | B      |
| Decachlorobiphenyl           | 91               |      | 92               |      | 30-150                 | B      |

# PESTICIDES

**Project Name:** TRURO DPW  
**Project Number:** TRU250P2

**Lab Number:** L2446578  
**Report Date:** 08/26/24

**SAMPLE RESULTS**

**Lab ID:** L2446578-01  
**Client ID:** MW-1  
**Sample Location:** TRURO, MA

**Date Collected:** 08/14/24 12:00  
**Date Received:** 08/15/24  
**Field Prep:** Refer to COC

**Sample Depth:**  
**Matrix:** Water  
**Analytical Method:** 97,8081B  
**Analytical Date:** 08/22/24 14:14  
**Analyst:** JAG

**Extraction Method:** EPA 3510C  
**Extraction Date:** 08/21/24 10:00

| Parameter                                       | Result | Qualifier | Units | RL    | MDL | Dilution Factor | Column |
|-------------------------------------------------|--------|-----------|-------|-------|-----|-----------------|--------|
| MCP Organochlorine Pesticides - Westborough Lab |        |           |       |       |     |                 |        |
| Delta-BHC                                       | ND     |           | ug/l  | 0.014 | --  | 1               | A      |
| Lindane                                         | ND     |           | ug/l  | 0.014 | --  | 1               | A      |
| Alpha-BHC                                       | ND     |           | ug/l  | 0.014 | --  | 1               | A      |
| Beta-BHC                                        | ND     |           | ug/l  | 0.014 | --  | 1               | A      |
| Heptachlor                                      | ND     |           | ug/l  | 0.014 | --  | 1               | A      |
| Aldrin                                          | ND     |           | ug/l  | 0.014 | --  | 1               | A      |
| Heptachlor epoxide                              | ND     |           | ug/l  | 0.014 | --  | 1               | A      |
| Endrin                                          | ND     |           | ug/l  | 0.029 | --  | 1               | A      |
| Endrin ketone                                   | ND     |           | ug/l  | 0.029 | --  | 1               | A      |
| Dieldrin                                        | ND     |           | ug/l  | 0.029 | --  | 1               | A      |
| 4,4'-DDE                                        | ND     |           | ug/l  | 0.029 | --  | 1               | A      |
| 4,4'-DDD                                        | ND     |           | ug/l  | 0.029 | --  | 1               | A      |
| 4,4'-DDT                                        | ND     |           | ug/l  | 0.029 | --  | 1               | A      |
| Endosulfan I                                    | ND     |           | ug/l  | 0.014 | --  | 1               | A      |
| Endosulfan II                                   | ND     |           | ug/l  | 0.029 | --  | 1               | A      |
| Endosulfan sulfate                              | ND     |           | ug/l  | 0.029 | --  | 1               | A      |
| Methoxychlor                                    | ND     |           | ug/l  | 0.143 | --  | 1               | A      |
| Chlordane                                       | ND     |           | ug/l  | 0.143 | --  | 1               | A      |
| Hexachlorobenzene                               | ND     |           | ug/l  | 0.014 | --  | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 48         |           | 30-150              | A      |
| Decachlorobiphenyl           | 43         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 43         |           | 30-150              | B      |
| Decachlorobiphenyl           | 40         |           | 30-150              | B      |

Project Name: TRURO DPW

Lab Number: L2446578

Project Number: TRU250P2

Report Date: 08/26/24

## SAMPLE RESULTS

Lab ID: L2446578-01

Date Collected: 08/14/24 12:00

Client ID: MW-1

Date Received: 08/15/24

Sample Location: TRURO, MA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Extraction Method: EPA 8151A

Analytical Method: 97,8151A

Extraction Date: 08/20/24 14:27

Analytical Date: 08/22/24 17:12

Analyst: JAG

Methylation Date: 08/21/24 22:37

| Parameter                                    | Result | Qualifier | Units | RL  | MDL | Dilution Factor | Column |
|----------------------------------------------|--------|-----------|-------|-----|-----|-----------------|--------|
| MCP Chlorinated Herbicides - Westborough Lab |        |           |       |     |     |                 |        |
| MCP                                          | ND     |           | ug/l  | 100 | --  | 1               | A      |
| MCPA                                         | ND     |           | ug/l  | 100 | --  | 1               | A      |
| Dalapon                                      | ND     |           | ug/l  | 1.0 | --  | 1               | A      |
| Dicamba                                      | ND     |           | ug/l  | 1.0 | --  | 1               | A      |
| Dichloroprop                                 | ND     |           | ug/l  | 1.0 | --  | 1               | A      |
| 2,4-D                                        | ND     |           | ug/l  | 1.0 | --  | 1               | A      |
| 2,4-DB                                       | ND     |           | ug/l  | 1.0 | --  | 1               | A      |
| 2,4,5-T                                      | ND     |           | ug/l  | 1.0 | --  | 1               | A      |
| 2,4,5-TP (Silvex)                            | ND     |           | ug/l  | 1.0 | --  | 1               | A      |
| Dinoseb                                      | ND     |           | ug/l  | 1.0 | --  | 1               | A      |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA      | 103        |           | 30-150              | A      |
| DCAA      | 93         |           | 30-150              | B      |

**Project Name:** TRURO DPW  
**Project Number:** TRU250P2

**Lab Number:** L2446578  
**Report Date:** 08/26/24

**SAMPLE RESULTS**

**Lab ID:** L2446578-02  
**Client ID:** MW-2  
**Sample Location:** TRURO, MA

**Date Collected:** 08/14/24 10:30  
**Date Received:** 08/15/24  
**Field Prep:** Refer to COC

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 97,8081B  
**Analytical Date:** 08/22/24 14:26  
**Analyst:** JAG

**Extraction Method:** EPA 3510C  
**Extraction Date:** 08/21/24 10:00

| Parameter                                       | Result | Qualifier | Units | RL    | MDL | Dilution Factor | Column |
|-------------------------------------------------|--------|-----------|-------|-------|-----|-----------------|--------|
| MCP Organochlorine Pesticides - Westborough Lab |        |           |       |       |     |                 |        |
| Delta-BHC                                       | ND     |           | ug/l  | 0.014 | --  | 1               | A      |
| Lindane                                         | ND     |           | ug/l  | 0.014 | --  | 1               | A      |
| Alpha-BHC                                       | ND     |           | ug/l  | 0.014 | --  | 1               | A      |
| Beta-BHC                                        | ND     |           | ug/l  | 0.014 | --  | 1               | A      |
| Heptachlor                                      | ND     |           | ug/l  | 0.014 | --  | 1               | A      |
| Aldrin                                          | ND     |           | ug/l  | 0.014 | --  | 1               | A      |
| Heptachlor epoxide                              | ND     |           | ug/l  | 0.014 | --  | 1               | A      |
| Endrin                                          | ND     |           | ug/l  | 0.029 | --  | 1               | A      |
| Endrin ketone                                   | ND     |           | ug/l  | 0.029 | --  | 1               | A      |
| Dieldrin                                        | ND     |           | ug/l  | 0.029 | --  | 1               | A      |
| 4,4'-DDE                                        | ND     |           | ug/l  | 0.029 | --  | 1               | A      |
| 4,4'-DDD                                        | ND     |           | ug/l  | 0.029 | --  | 1               | A      |
| 4,4'-DDT                                        | ND     |           | ug/l  | 0.029 | --  | 1               | A      |
| Endosulfan I                                    | ND     |           | ug/l  | 0.014 | --  | 1               | A      |
| Endosulfan II                                   | ND     |           | ug/l  | 0.029 | --  | 1               | A      |
| Endosulfan sulfate                              | ND     |           | ug/l  | 0.029 | --  | 1               | A      |
| Methoxychlor                                    | ND     |           | ug/l  | 0.143 | --  | 1               | A      |
| Chlordane                                       | ND     |           | ug/l  | 0.143 | --  | 1               | A      |
| Hexachlorobenzene                               | ND     |           | ug/l  | 0.014 | --  | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 50         |           | 30-150              | A      |
| Decachlorobiphenyl           | 43         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 45         |           | 30-150              | B      |
| Decachlorobiphenyl           | 40         |           | 30-150              | B      |

**Project Name:** TRURO DPW  
**Project Number:** TRU250P2

**Lab Number:** L2446578  
**Report Date:** 08/26/24

**SAMPLE RESULTS**

Lab ID: L2446578-02  
 Client ID: MW-2  
 Sample Location: TRURO, MA

Date Collected: 08/14/24 10:30  
 Date Received: 08/15/24  
 Field Prep: Refer to COC

Sample Depth:

Matrix: Water  
 Analytical Method: 97,8151A  
 Analytical Date: 08/22/24 17:31  
 Analyst: JAG

Extraction Method: EPA 8151A  
 Extraction Date: 08/20/24 14:27

Methylation Date: 08/21/24 22:37

| Parameter                                    | Result | Qualifier | Units | RL  | MDL | Dilution Factor | Column |
|----------------------------------------------|--------|-----------|-------|-----|-----|-----------------|--------|
| MCP Chlorinated Herbicides - Westborough Lab |        |           |       |     |     |                 |        |
| MCPP                                         | ND     |           | ug/l  | 100 | --  | 1               | A      |
| MCPA                                         | ND     |           | ug/l  | 100 | --  | 1               | A      |
| Dalapon                                      | ND     |           | ug/l  | 1.0 | --  | 1               | A      |
| Dicamba                                      | ND     |           | ug/l  | 1.0 | --  | 1               | A      |
| Dichloroprop                                 | ND     |           | ug/l  | 1.0 | --  | 1               | A      |
| 2,4-D                                        | ND     |           | ug/l  | 1.0 | --  | 1               | A      |
| 2,4-DB                                       | ND     |           | ug/l  | 1.0 | --  | 1               | A      |
| 2,4,5-T                                      | ND     |           | ug/l  | 1.0 | --  | 1               | A      |
| 2,4,5-TP (Silvex)                            | ND     |           | ug/l  | 1.0 | --  | 1               | A      |
| Dinoseb                                      | ND     |           | ug/l  | 1.0 | --  | 1               | A      |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA      | 100        |           | 30-150              | A      |
| DCAA      | 91         |           | 30-150              | B      |



**Project Name:** TRURO DPW  
**Project Number:** TRU250P2

**Lab Number:** L2446578  
**Report Date:** 08/26/24

**SAMPLE RESULTS**

**Lab ID:** L2446578-03  
**Client ID:** MW-3  
**Sample Location:** TRURO, MA

**Date Collected:** 08/14/24 13:30  
**Date Received:** 08/15/24  
**Field Prep:** Refer to COC

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 97,8081B  
**Analytical Date:** 08/22/24 14:38  
**Analyst:** JAG

**Extraction Method:** EPA 3510C  
**Extraction Date:** 08/21/24 10:00

| Parameter                                       | Result | Qualifier | Units | RL    | MDL | Dilution Factor | Column |
|-------------------------------------------------|--------|-----------|-------|-------|-----|-----------------|--------|
| MCP Organochlorine Pesticides - Westborough Lab |        |           |       |       |     |                 |        |
| Delta-BHC                                       | ND     |           | ug/l  | 0.014 | --  | 1               | A      |
| Lindane                                         | ND     |           | ug/l  | 0.014 | --  | 1               | A      |
| Alpha-BHC                                       | ND     |           | ug/l  | 0.014 | --  | 1               | A      |
| Beta-BHC                                        | ND     |           | ug/l  | 0.014 | --  | 1               | A      |
| Heptachlor                                      | ND     |           | ug/l  | 0.014 | --  | 1               | A      |
| Aldrin                                          | ND     |           | ug/l  | 0.014 | --  | 1               | A      |
| Heptachlor epoxide                              | ND     |           | ug/l  | 0.014 | --  | 1               | A      |
| Endrin                                          | ND     |           | ug/l  | 0.029 | --  | 1               | A      |
| Endrin ketone                                   | ND     |           | ug/l  | 0.029 | --  | 1               | A      |
| Dieldrin                                        | ND     |           | ug/l  | 0.029 | --  | 1               | A      |
| 4,4'-DDE                                        | ND     |           | ug/l  | 0.029 | --  | 1               | A      |
| 4,4'-DDD                                        | ND     |           | ug/l  | 0.029 | --  | 1               | A      |
| 4,4'-DDT                                        | ND     |           | ug/l  | 0.029 | --  | 1               | A      |
| Endosulfan I                                    | ND     |           | ug/l  | 0.014 | --  | 1               | A      |
| Endosulfan II                                   | ND     |           | ug/l  | 0.029 | --  | 1               | A      |
| Endosulfan sulfate                              | ND     |           | ug/l  | 0.029 | --  | 1               | A      |
| Methoxychlor                                    | ND     |           | ug/l  | 0.143 | --  | 1               | A      |
| Chlordane                                       | ND     |           | ug/l  | 0.143 | --  | 1               | A      |
| Hexachlorobenzene                               | ND     |           | ug/l  | 0.014 | --  | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 49         |           | 30-150              | A      |
| Decachlorobiphenyl           | 44         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 44         |           | 30-150              | B      |
| Decachlorobiphenyl           | 41         |           | 30-150              | B      |

**Project Name:** TRURO DPW  
**Project Number:** TRU250P2

**Lab Number:** L2446578  
**Report Date:** 08/26/24

**SAMPLE RESULTS**

**Lab ID:** L2446578-03  
**Client ID:** MW-3  
**Sample Location:** TRURO, MA

**Date Collected:** 08/14/24 13:30  
**Date Received:** 08/15/24  
**Field Prep:** Refer to COC

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 97,8151A  
**Analytical Date:** 08/22/24 17:50  
**Analyst:** JAG

**Extraction Method:** EPA 8151A  
**Extraction Date:** 08/20/24 14:27

**Methylation Date:** 08/21/24 22:37

| Parameter                                    | Result | Qualifier | Units | RL  | MDL | Dilution Factor | Column |
|----------------------------------------------|--------|-----------|-------|-----|-----|-----------------|--------|
| MCP Chlorinated Herbicides - Westborough Lab |        |           |       |     |     |                 |        |
| MCP                                          | ND     |           | ug/l  | 100 | --  | 1               | A      |
| MCPA                                         | ND     |           | ug/l  | 100 | --  | 1               | A      |
| Dalapon                                      | ND     |           | ug/l  | 1.0 | --  | 1               | A      |
| Dicamba                                      | ND     |           | ug/l  | 1.0 | --  | 1               | A      |
| Dichloroprop                                 | ND     |           | ug/l  | 1.0 | --  | 1               | A      |
| 2,4-D                                        | ND     |           | ug/l  | 1.0 | --  | 1               | A      |
| 2,4-DB                                       | ND     |           | ug/l  | 1.0 | --  | 1               | A      |
| 2,4,5-T                                      | ND     |           | ug/l  | 1.0 | --  | 1               | A      |
| 2,4,5-TP (Silvex)                            | ND     |           | ug/l  | 1.0 | --  | 1               | A      |
| Dinoseb                                      | ND     |           | ug/l  | 1.0 | --  | 1               | A      |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA      | 108        |           | 30-150              | A      |
| DCAA      | 99         |           | 30-150              | B      |

Project Name: TRURO DPW

Lab Number: L2446578

Project Number: TRU250P2

Report Date: 08/26/24

## SAMPLE RESULTS

Lab ID: L2446578-04

Date Collected: 08/15/24 12:00

Client ID: MW-4

Date Received: 08/15/24

Sample Location: TRURO, MA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 97,8081B

Extraction Date: 08/22/24 15:21

Analytical Date: 08/23/24 12:27

Analyst: PEG

| Parameter                                       | Result | Qualifier | Units | RL    | MDL | Dilution Factor | Column |
|-------------------------------------------------|--------|-----------|-------|-------|-----|-----------------|--------|
| MCP Organochlorine Pesticides - Westborough Lab |        |           |       |       |     |                 |        |
| Delta-BHC                                       | ND     |           | ug/l  | 0.019 | --  | 1               | A      |
| Lindane                                         | ND     |           | ug/l  | 0.019 | --  | 1               | A      |
| Alpha-BHC                                       | ND     |           | ug/l  | 0.019 | --  | 1               | A      |
| Beta-BHC                                        | ND     |           | ug/l  | 0.019 | --  | 1               | A      |
| Heptachlor                                      | ND     |           | ug/l  | 0.019 | --  | 1               | A      |
| Aldrin                                          | ND     |           | ug/l  | 0.019 | --  | 1               | A      |
| Heptachlor epoxide                              | ND     |           | ug/l  | 0.019 | --  | 1               | A      |
| Endrin                                          | ND     |           | ug/l  | 0.038 | --  | 1               | A      |
| Endrin ketone                                   | ND     |           | ug/l  | 0.038 | --  | 1               | A      |
| Dieldrin                                        | ND     |           | ug/l  | 0.038 | --  | 1               | A      |
| 4,4'-DDE                                        | ND     |           | ug/l  | 0.038 | --  | 1               | A      |
| 4,4'-DDD                                        | ND     |           | ug/l  | 0.038 | --  | 1               | A      |
| 4,4'-DDT                                        | ND     |           | ug/l  | 0.038 | --  | 1               | A      |
| Endosulfan I                                    | ND     |           | ug/l  | 0.019 | --  | 1               | A      |
| Endosulfan II                                   | ND     |           | ug/l  | 0.038 | --  | 1               | A      |
| Endosulfan sulfate                              | ND     |           | ug/l  | 0.038 | --  | 1               | A      |
| Methoxychlor                                    | ND     |           | ug/l  | 0.190 | --  | 1               | A      |
| Chlordane                                       | ND     |           | ug/l  | 0.190 | --  | 1               | A      |
| Hexachlorobenzene                               | ND     |           | ug/l  | 0.019 | --  | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 66         |           | 30-150              | A      |
| Decachlorobiphenyl           | 32         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 65         |           | 30-150              | B      |
| Decachlorobiphenyl           | 31         |           | 30-150              | B      |

**Project Name:** TRURO DPW  
**Project Number:** TRU250P2

**Lab Number:** L2446578  
**Report Date:** 08/26/24

**SAMPLE RESULTS**

Lab ID: L2446578-04  
 Client ID: MW-4  
 Sample Location: TRURO, MA

Date Collected: 08/15/24 12:00  
 Date Received: 08/15/24  
 Field Prep: Refer to COC

Sample Depth:  
 Matrix: Water  
 Analytical Method: 97,8151A  
 Analytical Date: 08/22/24 18:08  
 Analyst: JAG

Extraction Method: EPA 8151A  
 Extraction Date: 08/20/24 14:27

Methylation Date: 08/21/24 22:37

| Parameter                                    | Result | Qualifier | Units | RL  | MDL | Dilution Factor | Column |
|----------------------------------------------|--------|-----------|-------|-----|-----|-----------------|--------|
| MCP Chlorinated Herbicides - Westborough Lab |        |           |       |     |     |                 |        |
| MCPP                                         | ND     |           | ug/l  | 100 | --  | 1               | A      |
| MCPA                                         | ND     |           | ug/l  | 100 | --  | 1               | A      |
| Dalapon                                      | ND     |           | ug/l  | 1.0 | --  | 1               | A      |
| Dicamba                                      | ND     |           | ug/l  | 1.0 | --  | 1               | A      |
| Dichloroprop                                 | ND     |           | ug/l  | 1.0 | --  | 1               | A      |
| 2,4-D                                        | ND     |           | ug/l  | 1.0 | --  | 1               | A      |
| 2,4-DB                                       | ND     |           | ug/l  | 1.0 | --  | 1               | A      |
| 2,4,5-T                                      | ND     |           | ug/l  | 1.0 | --  | 1               | A      |
| 2,4,5-TP (Silvex)                            | ND     |           | ug/l  | 1.0 | --  | 1               | A      |
| Dinoseb                                      | ND     |           | ug/l  | 1.0 | --  | 1               | A      |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA      | 101        |           | 30-150              | A      |
| DCAA      | 94         |           | 30-150              | B      |

**Project Name:** TRURO DPW  
**Project Number:** TRU250P2

**Lab Number:** L2446578  
**Report Date:** 08/26/24

**SAMPLE RESULTS**

**Lab ID:** L2446578-05  
**Client ID:** MW-5  
**Sample Location:** TRURO, MA

**Date Collected:** 08/14/24 09:00  
**Date Received:** 08/15/24  
**Field Prep:** Refer to COC

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 97,8081B  
**Analytical Date:** 08/22/24 14:50  
**Analyst:** JAG

**Extraction Method:** EPA 3510C  
**Extraction Date:** 08/21/24 10:00

| Parameter                                       | Result | Qualifier | Units | RL    | MDL | Dilution Factor | Column |
|-------------------------------------------------|--------|-----------|-------|-------|-----|-----------------|--------|
| MCP Organochlorine Pesticides - Westborough Lab |        |           |       |       |     |                 |        |
| Delta-BHC                                       | ND     |           | ug/l  | 0.014 | --  | 1               | A      |
| Lindane                                         | ND     |           | ug/l  | 0.014 | --  | 1               | A      |
| Alpha-BHC                                       | ND     |           | ug/l  | 0.014 | --  | 1               | A      |
| Beta-BHC                                        | ND     |           | ug/l  | 0.014 | --  | 1               | A      |
| Heptachlor                                      | ND     |           | ug/l  | 0.014 | --  | 1               | A      |
| Aldrin                                          | ND     |           | ug/l  | 0.014 | --  | 1               | A      |
| Heptachlor epoxide                              | ND     |           | ug/l  | 0.014 | --  | 1               | A      |
| Endrin                                          | ND     |           | ug/l  | 0.029 | --  | 1               | A      |
| Endrin ketone                                   | ND     |           | ug/l  | 0.029 | --  | 1               | A      |
| Dieldrin                                        | ND     |           | ug/l  | 0.029 | --  | 1               | A      |
| 4,4'-DDE                                        | ND     |           | ug/l  | 0.029 | --  | 1               | A      |
| 4,4'-DDD                                        | ND     |           | ug/l  | 0.029 | --  | 1               | A      |
| 4,4'-DDT                                        | ND     |           | ug/l  | 0.029 | --  | 1               | A      |
| Endosulfan I                                    | ND     |           | ug/l  | 0.014 | --  | 1               | A      |
| Endosulfan II                                   | ND     |           | ug/l  | 0.029 | --  | 1               | A      |
| Endosulfan sulfate                              | ND     |           | ug/l  | 0.029 | --  | 1               | A      |
| Methoxychlor                                    | ND     |           | ug/l  | 0.143 | --  | 1               | A      |
| Chlordane                                       | ND     |           | ug/l  | 0.143 | --  | 1               | A      |
| Hexachlorobenzene                               | ND     |           | ug/l  | 0.014 | --  | 1               | A      |

| Surrogate                    | % Recovery | Qualifier | Acceptance Criteria | Column |
|------------------------------|------------|-----------|---------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 46         |           | 30-150              | A      |
| Decachlorobiphenyl           | 41         |           | 30-150              | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 42         |           | 30-150              | B      |
| Decachlorobiphenyl           | 38         |           | 30-150              | B      |

**Project Name:** TRURO DPW  
**Project Number:** TRU250P2

**Lab Number:** L2446578  
**Report Date:** 08/26/24

**SAMPLE RESULTS**

**Lab ID:** L2446578-05  
**Client ID:** MW-5  
**Sample Location:** TRURO, MA

**Date Collected:** 08/14/24 09:00  
**Date Received:** 08/15/24  
**Field Prep:** Refer to COC

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 97,8151A  
**Analytical Date:** 08/22/24 18:27  
**Analyst:** JAG

**Extraction Method:** EPA 8151A  
**Extraction Date:** 08/20/24 14:27

**Methylation Date:** 08/21/24 22:37

| Parameter                                    | Result | Qualifier | Units | RL  | MDL | Dilution Factor | Column |
|----------------------------------------------|--------|-----------|-------|-----|-----|-----------------|--------|
| MCP Chlorinated Herbicides - Westborough Lab |        |           |       |     |     |                 |        |
| MCP                                          | ND     |           | ug/l  | 100 | --  | 1               | A      |
| MCPA                                         | ND     |           | ug/l  | 100 | --  | 1               | A      |
| Dalapon                                      | ND     |           | ug/l  | 1.0 | --  | 1               | A      |
| Dicamba                                      | ND     |           | ug/l  | 1.0 | --  | 1               | A      |
| Dichloroprop                                 | ND     |           | ug/l  | 1.0 | --  | 1               | A      |
| 2,4-D                                        | ND     |           | ug/l  | 1.0 | --  | 1               | A      |
| 2,4-DB                                       | ND     |           | ug/l  | 1.0 | --  | 1               | A      |
| 2,4,5-T                                      | ND     |           | ug/l  | 1.0 | --  | 1               | A      |
| 2,4,5-TP (Silvex)                            | ND     |           | ug/l  | 1.0 | --  | 1               | A      |
| Dinoseb                                      | ND     |           | ug/l  | 1.0 | --  | 1               | A      |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria | Column |
|-----------|------------|-----------|---------------------|--------|
| DCAA      | 108        |           | 30-150              | A      |
| DCAA      | 99         |           | 30-150              | B      |

Project Name: TRURO DPW

Project Number: TRU250P2

Lab Number: L2446578

Report Date: 08/26/24

### Method Blank Analysis Batch Quality Control

Analytical Method: 97,8151A  
 Analytical Date: 08/21/24 15:48  
 Analyst: JAG

Extraction Method: EPA 8151A  
 Extraction Date: 08/20/24 14:20

Methylation Date: 08/21/24 14:20

| Parameter                                                                            | Result | Qualifier | Units | RL  | MDL | Column |
|--------------------------------------------------------------------------------------|--------|-----------|-------|-----|-----|--------|
| MCP Chlorinated Herbicides - Westborough Lab for sample(s): 01-05 Batch: WG1961626-1 |        |           |       |     |     |        |
| MCP                                                                                  | ND     |           | ug/l  | 100 | --  | A      |
| MCPA                                                                                 | ND     |           | ug/l  | 100 | --  | A      |
| Dalapon                                                                              | ND     |           | ug/l  | 1.0 | --  | A      |
| Dicamba                                                                              | ND     |           | ug/l  | 1.0 | --  | A      |
| Dichloroprop                                                                         | ND     |           | ug/l  | 1.0 | --  | A      |
| 2,4-D                                                                                | ND     |           | ug/l  | 1.0 | --  | A      |
| 2,4-DB                                                                               | ND     |           | ug/l  | 1.0 | --  | A      |
| 2,4,5-T                                                                              | ND     |           | ug/l  | 1.0 | --  | A      |
| 2,4,5-TP (Silvex)                                                                    | ND     |           | ug/l  | 1.0 | --  | A      |
| Dinoseb                                                                              | ND     |           | ug/l  | 1.0 | --  | A      |

| Surrogate | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|-----------|-----------|-----------|------------------------|--------|
| DCAA      | 97        |           | 30-150                 | A      |
| DCAA      | 88        |           | 30-150                 | B      |

**Project Name:** TRURO DPW  
**Project Number:** TRU250P2

**Lab Number:** L2446578  
**Report Date:** 08/26/24

### Method Blank Analysis Batch Quality Control

**Analytical Method:** 97,8081B  
**Analytical Date:** 08/22/24 13:39  
**Analyst:** JAG

**Extraction Method:** EPA 3510C  
**Extraction Date:** 08/21/24 10:00

| Parameter                                                                                  | Result | Qualifier | Units | RL    | MDL | Column |
|--------------------------------------------------------------------------------------------|--------|-----------|-------|-------|-----|--------|
| MCP Organochlorine Pesticides - Westborough Lab for sample(s): 01-03,05 Batch: WG1962042-1 |        |           |       |       |     |        |
| Delta-BHC                                                                                  | ND     |           | ug/l  | 0.014 | --  | A      |
| Lindane                                                                                    | ND     |           | ug/l  | 0.014 | --  | A      |
| Alpha-BHC                                                                                  | ND     |           | ug/l  | 0.014 | --  | A      |
| Beta-BHC                                                                                   | ND     |           | ug/l  | 0.014 | --  | A      |
| Heptachlor                                                                                 | ND     |           | ug/l  | 0.014 | --  | A      |
| Aldrin                                                                                     | ND     |           | ug/l  | 0.014 | --  | A      |
| Heptachlor epoxide                                                                         | ND     |           | ug/l  | 0.014 | --  | A      |
| Endrin                                                                                     | ND     |           | ug/l  | 0.029 | --  | A      |
| Endrin ketone                                                                              | ND     |           | ug/l  | 0.029 | --  | A      |
| Dieldrin                                                                                   | ND     |           | ug/l  | 0.029 | --  | A      |
| 4,4'-DDE                                                                                   | ND     |           | ug/l  | 0.029 | --  | A      |
| 4,4'-DDD                                                                                   | ND     |           | ug/l  | 0.029 | --  | A      |
| 4,4'-DDT                                                                                   | ND     |           | ug/l  | 0.029 | --  | A      |
| Endosulfan I                                                                               | ND     |           | ug/l  | 0.014 | --  | A      |
| Endosulfan II                                                                              | ND     |           | ug/l  | 0.029 | --  | A      |
| Endosulfan sulfate                                                                         | ND     |           | ug/l  | 0.029 | --  | A      |
| Methoxychlor                                                                               | ND     |           | ug/l  | 0.143 | --  | A      |
| Chlordane                                                                                  | ND     |           | ug/l  | 0.143 | --  | A      |
| Hexachlorobenzene                                                                          | ND     |           | ug/l  | 0.014 | --  | A      |

| Surrogate                    | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 38        |           | 30-150                 | A      |
| Decachlorobiphenyl           | 37        |           | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 34        |           | 30-150                 | B      |
| Decachlorobiphenyl           | 34        |           | 30-150                 | B      |





**Project Name:** TRURO DPW  
**Project Number:** TRU250P2

**Lab Number:** L2446578  
**Report Date:** 08/26/24

### Method Blank Analysis Batch Quality Control

**Analytical Method:** 97,8081B  
**Analytical Date:** 08/23/24 11:27  
**Analyst:** PEG

**Extraction Method:** EPA 3510C  
**Extraction Date:** 08/22/24 15:19

| Parameter                                                                            | Result | Qualifier | Units | RL    | MDL | Column |
|--------------------------------------------------------------------------------------|--------|-----------|-------|-------|-----|--------|
| MCP Organochlorine Pesticides - Westborough Lab for sample(s): 04 Batch: WG1962733-1 |        |           |       |       |     |        |
| Delta-BHC                                                                            | ND     |           | ug/l  | 0.014 | --  | A      |
| Lindane                                                                              | ND     |           | ug/l  | 0.014 | --  | A      |
| Alpha-BHC                                                                            | ND     |           | ug/l  | 0.014 | --  | A      |
| Beta-BHC                                                                             | ND     |           | ug/l  | 0.014 | --  | A      |
| Heptachlor                                                                           | ND     |           | ug/l  | 0.014 | --  | A      |
| Aldrin                                                                               | ND     |           | ug/l  | 0.014 | --  | A      |
| Heptachlor epoxide                                                                   | ND     |           | ug/l  | 0.014 | --  | A      |
| Endrin                                                                               | ND     |           | ug/l  | 0.029 | --  | A      |
| Endrin ketone                                                                        | ND     |           | ug/l  | 0.029 | --  | A      |
| Dieldrin                                                                             | ND     |           | ug/l  | 0.029 | --  | A      |
| 4,4'-DDE                                                                             | ND     |           | ug/l  | 0.029 | --  | A      |
| 4,4'-DDD                                                                             | ND     |           | ug/l  | 0.029 | --  | A      |
| 4,4'-DDT                                                                             | ND     |           | ug/l  | 0.029 | --  | A      |
| Endosulfan I                                                                         | ND     |           | ug/l  | 0.014 | --  | A      |
| Endosulfan II                                                                        | ND     |           | ug/l  | 0.029 | --  | A      |
| Endosulfan sulfate                                                                   | ND     |           | ug/l  | 0.029 | --  | A      |
| Methoxychlor                                                                         | ND     |           | ug/l  | 0.143 | --  | A      |
| Chlordane                                                                            | ND     |           | ug/l  | 0.143 | --  | A      |
| Hexachlorobenzene                                                                    | ND     |           | ug/l  | 0.014 | --  | A      |

| Surrogate                    | %Recovery | Qualifier | Acceptance<br>Criteria | Column |
|------------------------------|-----------|-----------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 69        |           | 30-150                 | A      |
| Decachlorobiphenyl           | 60        |           | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 62        |           | 30-150                 | B      |
| Decachlorobiphenyl           | 57        |           | 30-150                 | B      |

# **Lab Control Sample Analysis** Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU250P2

Lab Number: L2446578

Report Date: 08/26/24

| Parameter                                                                                               | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|---------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| MCP Chlorinated Herbicides - Westborough Lab Associated sample(s): 01-05 Batch: WG1961626-2 WG1961626-3 |                  |      |                   |      |                     |     |      |               |        |
| MCP                                                                                                     | 137              |      | 137               |      | 40-140              | 0   |      | 20            | A      |
| MCPA                                                                                                    | 116              |      | 113               |      | 40-140              | 3   |      | 20            | A      |
| Dalapon                                                                                                 | 83               |      | 61                |      | 40-140              | 31  | Q    | 20            | A      |
| Dicamba                                                                                                 | 113              |      | 110               |      | 40-140              | 3   |      | 20            | A      |
| Dichloroprop                                                                                            | 100              |      | 106               |      | 40-140              | 6   |      | 20            | A      |
| 2,4-D                                                                                                   | 106              |      | 103               |      | 40-140              | 3   |      | 20            | A      |
| 2,4-DB                                                                                                  | 122              |      | 111               |      | 40-140              | 9   |      | 20            | A      |
| 2,4,5-T                                                                                                 | 111              |      | 107               |      | 40-140              | 4   |      | 20            | A      |
| 2,4,5-TP (Silvex)                                                                                       | 108              |      | 104               |      | 40-140              | 4   |      | 20            | A      |
| Dinoseb                                                                                                 | 75               |      | 87                |      | 40-140              | 15  |      | 20            | A      |

| Surrogate | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria | Column |
|-----------|------------------|------|-------------------|------|------------------------|--------|
| DCAA      | 95               |      | 92                |      | 30-150                 | A      |
| DCAA      | 107              |      | 103               |      | 30-150                 | B      |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU250P2

Lab Number: L2446578

Report Date: 08/26/24

| Parameter                                                                                                     | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|---------------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-03,05 Batch: WG1962042-2 WG1962042-3 |                  |      |                   |      |                     |     |      |               |        |
| Delta-BHC                                                                                                     | 42               |      | 42                |      | 40-140              | 0   |      | 20            | A      |
| Lindane                                                                                                       | 45               |      | 46                |      | 40-140              | 0   |      | 20            | A      |
| Alpha-BHC                                                                                                     | 46               |      | 47                |      | 40-140              | 3   |      | 20            | A      |
| Beta-BHC                                                                                                      | 45               |      | 46                |      | 40-140              | 1   |      | 20            | A      |
| Heptachlor                                                                                                    | 49               |      | 49                |      | 40-140              | 1   |      | 20            | A      |
| Aldrin                                                                                                        | 44               |      | 45                |      | 40-140              | 3   |      | 20            | A      |
| Heptachlor epoxide                                                                                            | 46               |      | 47                |      | 40-140              | 2   |      | 20            | A      |
| Endrin                                                                                                        | 48               |      | 48                |      | 40-140              | 1   |      | 20            | A      |
| Endrin ketone                                                                                                 | 50               |      | 50                |      | 40-140              | 2   |      | 20            | A      |
| Dieldrin                                                                                                      | 50               |      | 51                |      | 40-140              | 2   |      | 20            | A      |
| 4,4'-DDE                                                                                                      | 43               |      | 44                |      | 40-140              | 2   |      | 20            | A      |
| 4,4'-DDD                                                                                                      | 49               |      | 50                |      | 40-140              | 2   |      | 20            | A      |
| 4,4'-DDT                                                                                                      | 47               |      | 48                |      | 40-140              | 3   |      | 20            | A      |
| Endosulfan I                                                                                                  | 46               |      | 47                |      | 40-140              | 2   |      | 20            | A      |
| Endosulfan II                                                                                                 | 49               |      | 49                |      | 40-140              | 1   |      | 20            | A      |
| Endosulfan sulfate                                                                                            | 49               |      | 50                |      | 40-140              | 2   |      | 20            | A      |
| Methoxychlor                                                                                                  | 52               |      | 53                |      | 40-140              | 2   |      | 20            | A      |
| Hexachlorobenzene                                                                                             | 40               |      | 36                | Q    | 40-140              | 10  |      | 20            | A      |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU250P2

Lab Number: L2446578

Report Date: 08/26/24

| Parameter | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
|-----------|------------------|------|-------------------|------|---------------------|-----|------|---------------|

MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-03,05 Batch: WG1962042-2 WG1962042-3

| Surrogate                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria | Column |
|------------------------------|------------------|------|-------------------|------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 52               |      | 46                |      | 30-150                 | A      |
| Decachlorobiphenyl           | 41               |      | 42                |      | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 41               |      | 41                |      | 30-150                 | B      |
| Decachlorobiphenyl           | 38               |      | 38                |      | 30-150                 | B      |

# **Lab Control Sample Analysis** Batch Quality Control

Project Name: TRURO DPW

Lab Number: L2446578

Project Number: TRU250P2

Report Date: 08/26/24

| Parameter                                                                                               | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits | Column |
|---------------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|---------------|--------|
| MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 04 Batch: WG1962733-2 WG1962733-3 |                  |      |                   |      |                     |     |      |               |        |
| Delta-BHC                                                                                               | 61               |      | 64                |      | 40-140              | 6   |      | 20            | A      |
| Lindane                                                                                                 | 65               |      | 71                |      | 40-140              | 8   |      | 20            | A      |
| Alpha-BHC                                                                                               | 66               |      | 72                |      | 40-140              | 9   |      | 20            | A      |
| Beta-BHC                                                                                                | 65               |      | 69                |      | 40-140              | 7   |      | 20            | A      |
| Heptachlor                                                                                              | 69               |      | 75                |      | 40-140              | 8   |      | 20            | A      |
| Aldrin                                                                                                  | 63               |      | 69                |      | 40-140              | 9   |      | 20            | A      |
| Heptachlor epoxide                                                                                      | 66               |      | 72                |      | 40-140              | 8   |      | 20            | A      |
| Endrin                                                                                                  | 69               |      | 75                |      | 40-140              | 8   |      | 20            | A      |
| Endrin ketone                                                                                           | 71               |      | 76                |      | 40-140              | 7   |      | 20            | A      |
| Dieldrin                                                                                                | 73               |      | 80                |      | 40-140              | 9   |      | 20            | A      |
| 4,4'-DDE                                                                                                | 62               |      | 69                |      | 40-140              | 10  |      | 20            | A      |
| 4,4'-DDD                                                                                                | 71               |      | 78                |      | 40-140              | 9   |      | 20            | A      |
| 4,4'-DDT                                                                                                | 66               |      | 72                |      | 40-140              | 9   |      | 20            | A      |
| Endosulfan I                                                                                            | 65               |      | 70                |      | 40-140              | 7   |      | 20            | A      |
| Endosulfan II                                                                                           | 70               |      | 75                |      | 40-140              | 7   |      | 20            | A      |
| Endosulfan sulfate                                                                                      | 70               |      | 75                |      | 40-140              | 6   |      | 20            | A      |
| Methoxychlor                                                                                            | 73               |      | 79                |      | 40-140              | 8   |      | 20            | A      |
| Hexachlorobenzene                                                                                       | 51               |      | 54                |      | 40-140              | 5   |      | 20            | A      |

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU250P2

Lab Number: L2446578

Report Date: 08/26/24

| Parameter | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD<br>Limits |
|-----------|------------------|------|-------------------|------|---------------------|-----|------|---------------|
|-----------|------------------|------|-------------------|------|---------------------|-----|------|---------------|

MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 04 Batch: WG1962733-2 WG1962733-3

| Surrogate                    | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | Acceptance<br>Criteria | Column |
|------------------------------|------------------|------|-------------------|------|------------------------|--------|
| 2,4,5,6-Tetrachloro-m-xylene | 64               |      | 69                |      | 30-150                 | A      |
| Decachlorobiphenyl           | 57               |      | 62                |      | 30-150                 | A      |
| 2,4,5,6-Tetrachloro-m-xylene | 58               |      | 63                |      | 30-150                 | B      |
| Decachlorobiphenyl           | 54               |      | 58                |      | 30-150                 | B      |

## METALS

Project Name: TRURO DPW

Lab Number: L2446578

Project Number: TRU250P2

Report Date: 08/26/24

## SAMPLE RESULTS

Lab ID: L2446578-01

Date Collected: 08/14/24 12:00

Client ID: MW-1

Date Received: 08/15/24

Sample Location: TRURO, MA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

| Parameter                            | Result | Qualifier | Units | RL     | MDL | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|--------------------------------------|--------|-----------|-------|--------|-----|-----------------|----------------|----------------|-------------|-------------------|---------|
| MCP Dissolved Metals - Mansfield Lab |        |           |       |        |     |                 |                |                |             |                   |         |
| Antimony, Dissolved                  | ND     |           | mg/l  | 0.0040 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:05 | EPA 3005A   | 97,6020B          | EJF     |
| Arsenic, Dissolved                   | ND     |           | mg/l  | 0.0050 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:21 | EPA 3005A   | 97,6010D          | CEY     |
| Barium, Dissolved                    | 0.0190 |           | mg/l  | 0.0100 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:21 | EPA 3005A   | 97,6010D          | CEY     |
| Beryllium, Dissolved                 | ND     |           | mg/l  | 0.0005 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:05 | EPA 3005A   | 97,6020B          | EJF     |
| Cadmium, Dissolved                   | ND     |           | mg/l  | 0.0040 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:21 | EPA 3005A   | 97,6010D          | CEY     |
| Chromium, Dissolved                  | ND     |           | mg/l  | 0.0100 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:21 | EPA 3005A   | 97,6010D          | CEY     |
| Lead, Dissolved                      | ND     |           | mg/l  | 0.0100 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:21 | EPA 3005A   | 97,6010D          | CEY     |
| Mercury, Dissolved                   | ND     |           | mg/l  | 0.0002 | --  | 1               | 08/20/24 18:27 | 08/21/24 23:40 | EPA 7470A   | 97,7470A          | JWN     |
| Nickel, Dissolved                    | ND     |           | mg/l  | 0.0250 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:21 | EPA 3005A   | 97,6010D          | CEY     |
| Selenium, Dissolved                  | ND     |           | mg/l  | 0.0100 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:21 | EPA 3005A   | 97,6010D          | CEY     |
| Silver, Dissolved                    | ND     |           | mg/l  | 0.0070 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:21 | EPA 3005A   | 97,6010D          | CEY     |
| Thallium, Dissolved                  | ND     |           | mg/l  | 0.0010 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:05 | EPA 3005A   | 97,6020B          | EJF     |
| Vanadium, Dissolved                  | ND     |           | mg/l  | 0.0100 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:21 | EPA 3005A   | 97,6010D          | CEY     |
| Zinc, Dissolved                      | ND     |           | mg/l  | 0.0500 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:21 | EPA 3005A   | 97,6010D          | CEY     |





Project Name: TRURO DPW

Lab Number: L2446578

Project Number: TRU250P2

Report Date: 08/26/24

## SAMPLE RESULTS

Lab ID: L2446578-02

Date Collected: 08/14/24 10:30

Client ID: MW-2

Date Received: 08/15/24

Sample Location: TRURO, MA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

| Parameter                            | Result | Qualifier | Units | RL     | MDL | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|--------------------------------------|--------|-----------|-------|--------|-----|-----------------|----------------|----------------|-------------|-------------------|---------|
| MCP Dissolved Metals - Mansfield Lab |        |           |       |        |     |                 |                |                |             |                   |         |
| Antimony, Dissolved                  | ND     |           | mg/l  | 0.0040 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:10 | EPA 3005A   | 97,6020B          | EJF     |
| Arsenic, Dissolved                   | ND     |           | mg/l  | 0.0050 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:27 | EPA 3005A   | 97,6010D          | CEY     |
| Barium, Dissolved                    | ND     |           | mg/l  | 0.0100 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:27 | EPA 3005A   | 97,6010D          | CEY     |
| Beryllium, Dissolved                 | ND     |           | mg/l  | 0.0005 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:10 | EPA 3005A   | 97,6020B          | EJF     |
| Cadmium, Dissolved                   | ND     |           | mg/l  | 0.0040 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:27 | EPA 3005A   | 97,6010D          | CEY     |
| Chromium, Dissolved                  | ND     |           | mg/l  | 0.0100 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:27 | EPA 3005A   | 97,6010D          | CEY     |
| Lead, Dissolved                      | ND     |           | mg/l  | 0.0100 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:27 | EPA 3005A   | 97,6010D          | CEY     |
| Mercury, Dissolved                   | ND     |           | mg/l  | 0.0002 | --  | 1               | 08/20/24 18:27 | 08/21/24 23:43 | EPA 7470A   | 97,7470A          | JWN     |
| Nickel, Dissolved                    | ND     |           | mg/l  | 0.0250 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:27 | EPA 3005A   | 97,6010D          | CEY     |
| Selenium, Dissolved                  | ND     |           | mg/l  | 0.0100 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:27 | EPA 3005A   | 97,6010D          | CEY     |
| Silver, Dissolved                    | ND     |           | mg/l  | 0.0070 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:27 | EPA 3005A   | 97,6010D          | CEY     |
| Thallium, Dissolved                  | ND     |           | mg/l  | 0.0010 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:10 | EPA 3005A   | 97,6020B          | EJF     |
| Vanadium, Dissolved                  | ND     |           | mg/l  | 0.0100 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:27 | EPA 3005A   | 97,6010D          | CEY     |
| Zinc, Dissolved                      | ND     |           | mg/l  | 0.0500 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:27 | EPA 3005A   | 97,6010D          | CEY     |



Project Name: TRURO DPW

Lab Number: L2446578

Project Number: TRU250P2

Report Date: 08/26/24

## SAMPLE RESULTS

Lab ID: L2446578-03

Date Collected: 08/14/24 13:30

Client ID: MW-3

Date Received: 08/15/24

Sample Location: TRURO, MA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

| Parameter                            | Result | Qualifier | Units | RL     | MDL | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|--------------------------------------|--------|-----------|-------|--------|-----|-----------------|----------------|----------------|-------------|-------------------|---------|
| MCP Dissolved Metals - Mansfield Lab |        |           |       |        |     |                 |                |                |             |                   |         |
| Antimony, Dissolved                  | ND     |           | mg/l  | 0.0040 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:14 | EPA 3005A   | 97,6020B          | EJF     |
| Arsenic, Dissolved                   | ND     |           | mg/l  | 0.0050 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:34 | EPA 3005A   | 97,6010D          | CEY     |
| Barium, Dissolved                    | 0.0253 |           | mg/l  | 0.0100 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:34 | EPA 3005A   | 97,6010D          | CEY     |
| Beryllium, Dissolved                 | ND     |           | mg/l  | 0.0005 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:14 | EPA 3005A   | 97,6020B          | EJF     |
| Cadmium, Dissolved                   | ND     |           | mg/l  | 0.0040 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:34 | EPA 3005A   | 97,6010D          | CEY     |
| Chromium, Dissolved                  | ND     |           | mg/l  | 0.0100 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:34 | EPA 3005A   | 97,6010D          | CEY     |
| Lead, Dissolved                      | ND     |           | mg/l  | 0.0100 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:34 | EPA 3005A   | 97,6010D          | CEY     |
| Mercury, Dissolved                   | ND     |           | mg/l  | 0.0002 | --  | 1               | 08/20/24 18:27 | 08/21/24 23:47 | EPA 7470A   | 97,7470A          | JWN     |
| Nickel, Dissolved                    | ND     |           | mg/l  | 0.0250 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:34 | EPA 3005A   | 97,6010D          | CEY     |
| Selenium, Dissolved                  | ND     |           | mg/l  | 0.0100 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:34 | EPA 3005A   | 97,6010D          | CEY     |
| Silver, Dissolved                    | ND     |           | mg/l  | 0.0070 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:34 | EPA 3005A   | 97,6010D          | CEY     |
| Thallium, Dissolved                  | ND     |           | mg/l  | 0.0010 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:14 | EPA 3005A   | 97,6020B          | EJF     |
| Vanadium, Dissolved                  | ND     |           | mg/l  | 0.0100 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:34 | EPA 3005A   | 97,6010D          | CEY     |
| Zinc, Dissolved                      | ND     |           | mg/l  | 0.0500 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:34 | EPA 3005A   | 97,6010D          | CEY     |



Project Name: TRURO DPW

Lab Number: L2446578

Project Number: TRU250P2

Report Date: 08/26/24

## SAMPLE RESULTS

Lab ID: L2446578-04

Date Collected: 08/15/24 12:00

Client ID: MW-4

Date Received: 08/15/24

Sample Location: TRURO, MA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

| Parameter                            | Result | Qualifier | Units | RL     | MDL | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|--------------------------------------|--------|-----------|-------|--------|-----|-----------------|----------------|----------------|-------------|-------------------|---------|
| MCP Dissolved Metals - Mansfield Lab |        |           |       |        |     |                 |                |                |             |                   |         |
| Antimony, Dissolved                  | ND     |           | mg/l  | 0.0040 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:19 | EPA 3005A   | 97,6020B          | EJF     |
| Arsenic, Dissolved                   | ND     |           | mg/l  | 0.0050 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:41 | EPA 3005A   | 97,6010D          | CEY     |
| Barium, Dissolved                    | ND     |           | mg/l  | 0.0100 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:41 | EPA 3005A   | 97,6010D          | CEY     |
| Beryllium, Dissolved                 | ND     |           | mg/l  | 0.0005 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:19 | EPA 3005A   | 97,6020B          | EJF     |
| Cadmium, Dissolved                   | ND     |           | mg/l  | 0.0040 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:41 | EPA 3005A   | 97,6010D          | CEY     |
| Chromium, Dissolved                  | ND     |           | mg/l  | 0.0100 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:41 | EPA 3005A   | 97,6010D          | CEY     |
| Lead, Dissolved                      | ND     |           | mg/l  | 0.0100 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:41 | EPA 3005A   | 97,6010D          | CEY     |
| Mercury, Dissolved                   | ND     |           | mg/l  | 0.0002 | --  | 1               | 08/20/24 18:27 | 08/21/24 23:56 | EPA 7470A   | 97,7470A          | JWN     |
| Nickel, Dissolved                    | 0.0309 |           | mg/l  | 0.0250 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:41 | EPA 3005A   | 97,6010D          | CEY     |
| Selenium, Dissolved                  | ND     |           | mg/l  | 0.0100 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:41 | EPA 3005A   | 97,6010D          | CEY     |
| Silver, Dissolved                    | ND     |           | mg/l  | 0.0070 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:41 | EPA 3005A   | 97,6010D          | CEY     |
| Thallium, Dissolved                  | ND     |           | mg/l  | 0.0010 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:19 | EPA 3005A   | 97,6020B          | EJF     |
| Vanadium, Dissolved                  | ND     |           | mg/l  | 0.0100 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:41 | EPA 3005A   | 97,6010D          | CEY     |
| Zinc, Dissolved                      | ND     |           | mg/l  | 0.0500 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:41 | EPA 3005A   | 97,6010D          | CEY     |



Project Name: TRURO DPW

Lab Number: L2446578

Project Number: TRU250P2

Report Date: 08/26/24

## SAMPLE RESULTS

Lab ID: L2446578-05

Date Collected: 08/14/24 09:00

Client ID: MW-5

Date Received: 08/15/24

Sample Location: TRURO, MA

Field Prep: Refer to COC

Sample Depth:

Matrix: Water

| Parameter                            | Result | Qualifier | Units | RL     | MDL | Dilution Factor | Date Prepared  | Date Analyzed  | Prep Method | Analytical Method | Analyst |
|--------------------------------------|--------|-----------|-------|--------|-----|-----------------|----------------|----------------|-------------|-------------------|---------|
| MCP Dissolved Metals - Mansfield Lab |        |           |       |        |     |                 |                |                |             |                   |         |
| Antimony, Dissolved                  | ND     |           | mg/l  | 0.0040 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:24 | EPA 3005A   | 97,6020B          | EJF     |
| Arsenic, Dissolved                   | ND     |           | mg/l  | 0.0050 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:47 | EPA 3005A   | 97,6010D          | CEY     |
| Barium, Dissolved                    | 0.0351 |           | mg/l  | 0.0100 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:47 | EPA 3005A   | 97,6010D          | CEY     |
| Beryllium, Dissolved                 | ND     |           | mg/l  | 0.0005 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:24 | EPA 3005A   | 97,6020B          | EJF     |
| Cadmium, Dissolved                   | ND     |           | mg/l  | 0.0040 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:47 | EPA 3005A   | 97,6010D          | CEY     |
| Chromium, Dissolved                  | ND     |           | mg/l  | 0.0100 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:47 | EPA 3005A   | 97,6010D          | CEY     |
| Lead, Dissolved                      | ND     |           | mg/l  | 0.0100 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:47 | EPA 3005A   | 97,6010D          | CEY     |
| Mercury, Dissolved                   | ND     |           | mg/l  | 0.0002 | --  | 1               | 08/20/24 18:27 | 08/22/24 00:00 | EPA 7470A   | 97,7470A          | JWN     |
| Nickel, Dissolved                    | ND     |           | mg/l  | 0.0250 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:47 | EPA 3005A   | 97,6010D          | CEY     |
| Selenium, Dissolved                  | ND     |           | mg/l  | 0.0100 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:47 | EPA 3005A   | 97,6010D          | CEY     |
| Silver, Dissolved                    | ND     |           | mg/l  | 0.0070 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:47 | EPA 3005A   | 97,6010D          | CEY     |
| Thallium, Dissolved                  | ND     |           | mg/l  | 0.0010 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:24 | EPA 3005A   | 97,6020B          | EJF     |
| Vanadium, Dissolved                  | ND     |           | mg/l  | 0.0100 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:47 | EPA 3005A   | 97,6010D          | CEY     |
| Zinc, Dissolved                      | ND     |           | mg/l  | 0.0500 | --  | 1               | 08/20/24 17:23 | 08/21/24 20:47 | EPA 3005A   | 97,6010D          | CEY     |



Project Name: TRURO DPW

Lab Number: L2446578

Project Number: TRU250P2

Report Date: 08/26/24

## Method Blank Analysis Batch Quality Control

| Parameter                                                                    | Result | Qualifier | Units | RL     | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|------------------------------------------------------------------------------|--------|-----------|-------|--------|-----|--------------------|------------------|------------------|----------------------|---------|
| MCP Dissolved Metals - Mansfield Lab for sample(s): 01-05 Batch: WG1961482-1 |        |           |       |        |     |                    |                  |                  |                      |         |
| Arsenic, Dissolved                                                           | ND     |           | mg/l  | 0.0050 | --  | 1                  | 08/20/24 17:23   | 08/20/24 22:02   | 97,6010D             | DHL     |
| Barium, Dissolved                                                            | ND     |           | mg/l  | 0.0100 | --  | 1                  | 08/20/24 17:23   | 08/20/24 22:02   | 97,6010D             | DHL     |
| Cadmium, Dissolved                                                           | ND     |           | mg/l  | 0.0040 | --  | 1                  | 08/20/24 17:23   | 08/20/24 22:02   | 97,6010D             | DHL     |
| Chromium, Dissolved                                                          | ND     |           | mg/l  | 0.0100 | --  | 1                  | 08/20/24 17:23   | 08/20/24 22:02   | 97,6010D             | DHL     |
| Lead, Dissolved                                                              | ND     |           | mg/l  | 0.0100 | --  | 1                  | 08/20/24 17:23   | 08/20/24 22:02   | 97,6010D             | DHL     |
| Nickel, Dissolved                                                            | ND     |           | mg/l  | 0.0250 | --  | 1                  | 08/20/24 17:23   | 08/20/24 22:02   | 97,6010D             | DHL     |
| Selenium, Dissolved                                                          | ND     |           | mg/l  | 0.0100 | --  | 1                  | 08/20/24 17:23   | 08/20/24 22:02   | 97,6010D             | DHL     |
| Silver, Dissolved                                                            | ND     |           | mg/l  | 0.0070 | --  | 1                  | 08/20/24 17:23   | 08/20/24 22:02   | 97,6010D             | DHL     |
| Vanadium, Dissolved                                                          | ND     |           | mg/l  | 0.0100 | --  | 1                  | 08/20/24 17:23   | 08/20/24 22:02   | 97,6010D             | DHL     |
| Zinc, Dissolved                                                              | ND     |           | mg/l  | 0.0500 | --  | 1                  | 08/20/24 17:23   | 08/20/24 22:02   | 97,6010D             | DHL     |

### Prep Information

Digestion Method: EPA 3005A

| Parameter                                                                    | Result | Qualifier | Units | RL     | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|------------------------------------------------------------------------------|--------|-----------|-------|--------|-----|--------------------|------------------|------------------|----------------------|---------|
| MCP Dissolved Metals - Mansfield Lab for sample(s): 01-05 Batch: WG1961483-1 |        |           |       |        |     |                    |                  |                  |                      |         |
| Antimony, Dissolved                                                          | ND     |           | mg/l  | 0.0040 | --  | 1                  | 08/20/24 17:23   | 08/21/24 19:42   | 97,6020B             | EJF     |
| Beryllium, Dissolved                                                         | ND     |           | mg/l  | 0.0005 | --  | 1                  | 08/20/24 17:23   | 08/21/24 19:42   | 97,6020B             | EJF     |
| Thallium, Dissolved                                                          | ND     |           | mg/l  | 0.0010 | --  | 1                  | 08/20/24 17:23   | 08/21/24 19:42   | 97,6020B             | EJF     |

### Prep Information

Digestion Method: EPA 3005A

| Parameter                                                                    | Result | Qualifier | Units | RL     | MDL | Dilution<br>Factor | Date<br>Prepared | Date<br>Analyzed | Analytical<br>Method | Analyst |
|------------------------------------------------------------------------------|--------|-----------|-------|--------|-----|--------------------|------------------|------------------|----------------------|---------|
| MCP Dissolved Metals - Mansfield Lab for sample(s): 01-05 Batch: WG1961484-1 |        |           |       |        |     |                    |                  |                  |                      |         |
| Mercury, Dissolved                                                           | ND     |           | mg/l  | 0.0002 | --  | 1                  | 08/20/24 18:27   | 08/21/24 23:17   | 97,7470A             | JWN     |



**Project Name:** TRURO DPW

**Lab Number:** L2446578

**Project Number:** TRU250P2

**Report Date:** 08/26/24

## Method Blank Analysis Batch Quality Control

### Prep Information

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Digestion Method: EPA 7470A

# **Lab Control Sample Analysis** Batch Quality Control

Project Name: TRURO DPW

Project Number: TRU250P2

Lab Number: L2446578

Report Date: 08/26/24

| Parameter                                                                                       | LCS<br>%Recovery | Qual | LCSD<br>%Recovery | Qual | %Recovery<br>Limits | RPD | Qual | RPD Limits |
|-------------------------------------------------------------------------------------------------|------------------|------|-------------------|------|---------------------|-----|------|------------|
| MCP Dissolved Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1961482-2 WG1961482-3 |                  |      |                   |      |                     |     |      |            |
| Arsenic, Dissolved                                                                              | 101              |      | 101               |      | 80-120              | 0   |      | 20         |
| Barium, Dissolved                                                                               | 99               |      | 99                |      | 80-120              | 0   |      | 20         |
| Cadmium, Dissolved                                                                              | 106              |      | 105               |      | 80-120              | 1   |      | 20         |
| Chromium, Dissolved                                                                             | 102              |      | 101               |      | 80-120              | 1   |      | 20         |
| Lead, Dissolved                                                                                 | 101              |      | 101               |      | 80-120              | 0   |      | 20         |
| Nickel, Dissolved                                                                               | 102              |      | 101               |      | 80-120              | 1   |      | 20         |
| Selenium, Dissolved                                                                             | 97               |      | 96                |      | 80-120              | 1   |      | 20         |
| Silver, Dissolved                                                                               | 107              |      | 107               |      | 80-120              | 0   |      | 20         |
| Vanadium, Dissolved                                                                             | 102              |      | 102               |      | 80-120              | 0   |      | 20         |
| Zinc, Dissolved                                                                                 | 101              |      | 101               |      | 80-120              | 0   |      | 20         |
| MCP Dissolved Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1961483-2 WG1961483-3 |                  |      |                   |      |                     |     |      |            |
| Antimony, Dissolved                                                                             | 84               |      | 87                |      | 80-120              | 4   |      | 20         |
| Beryllium, Dissolved                                                                            | 107              |      | 104               |      | 80-120              | 3   |      | 20         |
| Thallium, Dissolved                                                                             | 107              |      | 108               |      | 80-120              | 1   |      | 20         |
| MCP Dissolved Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1961484-2 WG1961484-3 |                  |      |                   |      |                     |     |      |            |
| Mercury, Dissolved                                                                              | 89               |      | 92                |      | 80-120              | 3   |      | 20         |

**Project Name:** TRURO DPW**Lab Number:** L2446578**Project Number:** TRU250P2**Report Date:** 08/26/24**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information**

| <b>Cooler</b> | <b>Custody Seal</b> |
|---------------|---------------------|
| A             | Absent              |
| B             | Absent              |
| C             | Absent              |
| D             | Absent              |

**Container Information**

| <b>Container ID</b> | <b>Container Type</b>        | <b>Cooler</b> | <b>Initial pH</b> | <b>Final pH</b> | <b>Temp deg C</b> | <b>Pres</b> | <b>Seal</b> | <b>Frozen Date/Time</b> | <b>Analysis(*)</b>                                                                                                                                                                                                                                                                               |
|---------------------|------------------------------|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L2446578-01A        | Vial HCl preserved           | B             | NA                |                 | 2.3               | Y           | Absent      |                         | MCP-8260-21(14)                                                                                                                                                                                                                                                                                  |
| L2446578-01B        | Vial HCl preserved           | B             | NA                |                 | 2.3               | Y           | Absent      |                         | MCP-8260-21(14)                                                                                                                                                                                                                                                                                  |
| L2446578-01C        | Vial HCl preserved           | B             | NA                |                 | 2.3               | Y           | Absent      |                         | MCP-8260-21(14)                                                                                                                                                                                                                                                                                  |
| L2446578-01D        | Vial Na2S2O3 preserved       | B             | NA                |                 | 2.3               | Y           | Absent      |                         | 8011(14)                                                                                                                                                                                                                                                                                         |
| L2446578-01E        | Vial Na2S2O3 preserved       | B             | NA                |                 | 2.3               | Y           | Absent      |                         | 8011(14)                                                                                                                                                                                                                                                                                         |
| L2446578-01F        | Vial HCl preserved           | B             | NA                |                 | 2.3               | Y           | Absent      |                         | VPH-18(14)                                                                                                                                                                                                                                                                                       |
| L2446578-01G        | Vial HCl preserved           | B             | NA                |                 | 2.3               | Y           | Absent      |                         | VPH-18(14)                                                                                                                                                                                                                                                                                       |
| L2446578-01H        | Vial HCl preserved           | B             | NA                |                 | 2.3               | Y           | Absent      |                         | VPH-18(14)                                                                                                                                                                                                                                                                                       |
| L2446578-01I        | Plastic 250ml HNO3 preserved | B             | <2                | <2              | 2.3               | Y           | Absent      |                         | MCP-CD-6010S-10(180),MCP-BE-6020S-10(180),MCP-7470S-10(28),MCP-SB-6020S-10(180),MCP-AG-6010S-10(180),MCP-ZN-6010S-10(180),MCP-AS-6010S-10(180),MCP-CR-6010S-10(180),MCP-TL-6020S-10(180),MCP-BA-6010S-10(180),MCP-PB-6010S-10(180),MCP-V-6010S-10(180),MCP-NI-6010S-10(180),MCP-SE-6010S-10(180) |
| L2446578-01J        | Amber 100ml unpreserved      | B             | 7                 | 7               | 2.3               | Y           | Absent      |                         | MCP-8270-21-RVT(7),MCP-8270SIM-21-RVT(7)                                                                                                                                                                                                                                                         |
| L2446578-01K        | Amber 100ml unpreserved      | B             | 7                 | 7               | 2.3               | Y           | Absent      |                         | MCP-8270-21-RVT(7),MCP-8270SIM-21-RVT(7)                                                                                                                                                                                                                                                         |
| L2446578-01L        | Amber 120ml unpreserved      | B             | 7                 | 7               | 2.3               | Y           | Absent      |                         | MCP-8081-10(7)                                                                                                                                                                                                                                                                                   |
| L2446578-01M        | Amber 120ml unpreserved      | B             | 7                 | 7               | 2.3               | Y           | Absent      |                         | MCP-8081-10(7)                                                                                                                                                                                                                                                                                   |
| L2446578-01N        | Amber 120ml unpreserved      | B             | 7                 | 7               | 2.3               | Y           | Absent      |                         | MCP-8082-10-LVI(365)                                                                                                                                                                                                                                                                             |
| L2446578-01O        | Amber 120ml unpreserved      | B             | 7                 | 7               | 2.3               | Y           | Absent      |                         | MCP-8082-10-LVI(365)                                                                                                                                                                                                                                                                             |
| L2446578-01P        | Amber 250ml unpreserved      | B             | 7                 | 7               | 2.3               | Y           | Absent      |                         | A2-MCP14DXSIM-PPB-21(7)                                                                                                                                                                                                                                                                          |



**Project Name:** TRURO DPW**Lab Number:** L2446578**Project Number:** TRU250P2**Report Date:** 08/26/24**Container Information**

| <b>Container ID</b> | <b>Container Type</b>        | <b>Cooler</b> | <b>Initial pH</b> | <b>Final pH</b> | <b>Temp deg C</b> | <b>Pres</b> | <b>Seal</b> | <b>Frozen Date/Time</b> | <b>Analysis(*)</b>                                                                                                                                                                                                                                                                               |
|---------------------|------------------------------|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L2446578-01Q        | Amber 250ml unpreserved      | B             | 7                 | 7               | 2.3               | Y           | Absent      |                         | A2-MCP14DXSIM-PPB-21(7)                                                                                                                                                                                                                                                                          |
| L2446578-01R        | Amber 1000ml unpreserved     | B             | 7                 | 7               | 2.3               | Y           | Absent      |                         | MCP-8151-10(7)                                                                                                                                                                                                                                                                                   |
| L2446578-01S        | Amber 1000ml unpreserved     | B             | 7                 | 7               | 2.3               | Y           | Absent      |                         | MCP-8151-10(7)                                                                                                                                                                                                                                                                                   |
| L2446578-01T        | Amber 1000ml HCl preserved   | B             | <2                | <2              | 2.3               | Y           | Absent      |                         | EPH-20(14)                                                                                                                                                                                                                                                                                       |
| L2446578-01U        | Amber 1000ml HCl preserved   | B             | <2                | <2              | 2.3               | Y           | Absent      |                         | EPH-20(14)                                                                                                                                                                                                                                                                                       |
| L2446578-02A        | Vial HCl preserved           | B             | NA                |                 | 2.3               | Y           | Absent      |                         | MCP-8260-21(14)                                                                                                                                                                                                                                                                                  |
| L2446578-02B        | Vial HCl preserved           | B             | NA                |                 | 2.3               | Y           | Absent      |                         | MCP-8260-21(14)                                                                                                                                                                                                                                                                                  |
| L2446578-02C        | Vial HCl preserved           | B             | NA                |                 | 2.3               | Y           | Absent      |                         | MCP-8260-21(14)                                                                                                                                                                                                                                                                                  |
| L2446578-02D        | Vial Na2S2O3 preserved       | B             | NA                |                 | 2.3               | Y           | Absent      |                         | 8011(14)                                                                                                                                                                                                                                                                                         |
| L2446578-02E        | Vial Na2S2O3 preserved       | B             | NA                |                 | 2.3               | Y           | Absent      |                         | 8011(14)                                                                                                                                                                                                                                                                                         |
| L2446578-02F        | Vial HCl preserved           | B             | NA                |                 | 2.3               | Y           | Absent      |                         | VPH-18(14)                                                                                                                                                                                                                                                                                       |
| L2446578-02G        | Vial HCl preserved           | B             | NA                |                 | 2.3               | Y           | Absent      |                         | VPH-18(14)                                                                                                                                                                                                                                                                                       |
| L2446578-02H        | Vial HCl preserved           | B             | NA                |                 | 2.3               | Y           | Absent      |                         | VPH-18(14)                                                                                                                                                                                                                                                                                       |
| L2446578-02I        | Plastic 250ml HNO3 preserved | B             | <2                | <2              | 2.3               | Y           | Absent      |                         | MCP-BE-6020S-10(180),MCP-CD-6010S-10(180),MCP-7470S-10(28),MCP-AG-6010S-10(180),MCP-SB-6020S-10(180),MCP-ZN-6010S-10(180),MCP-AS-6010S-10(180),MCP-CR-6010S-10(180),MCP-TL-6020S-10(180),MCP-BA-6010S-10(180),MCP-PB-6010S-10(180),MCP-NI-6010S-10(180),MCP-SE-6010S-10(180),MCP-V-6010S-10(180) |
| L2446578-02J        | Amber 100ml unpreserved      | B             | 7                 | 7               | 2.3               | Y           | Absent      |                         | MCP-8270-21-RVT(7),MCP-8270SIM-21-RVT(7)                                                                                                                                                                                                                                                         |
| L2446578-02K        | Amber 100ml unpreserved      | B             | 7                 | 7               | 2.3               | Y           | Absent      |                         | MCP-8270-21-RVT(7),MCP-8270SIM-21-RVT(7)                                                                                                                                                                                                                                                         |
| L2446578-02L        | Amber 120ml unpreserved      | B             | 7                 | 7               | 2.3               | Y           | Absent      |                         | MCP-8081-10(7)                                                                                                                                                                                                                                                                                   |
| L2446578-02M        | Amber 120ml unpreserved      | B             | 7                 | 7               | 2.3               | Y           | Absent      |                         | MCP-8081-10(7)                                                                                                                                                                                                                                                                                   |
| L2446578-02N        | Amber 120ml unpreserved      | B             | 7                 | 7               | 2.3               | Y           | Absent      |                         | MCP-8082-10-LVI(365)                                                                                                                                                                                                                                                                             |
| L2446578-02O        | Amber 120ml unpreserved      | B             | 7                 | 7               | 2.3               | Y           | Absent      |                         | MCP-8082-10-LVI(365)                                                                                                                                                                                                                                                                             |
| L2446578-02P        | Amber 250ml unpreserved      | B             | 7                 | 7               | 2.3               | Y           | Absent      |                         | A2-MCP14DXSIM-PPB-21(7)                                                                                                                                                                                                                                                                          |
| L2446578-02Q        | Amber 250ml unpreserved      | B             | 7                 | 7               | 2.3               | Y           | Absent      |                         | A2-MCP14DXSIM-PPB-21(7)                                                                                                                                                                                                                                                                          |
| L2446578-02R        | Amber 1000ml unpreserved     | B             | 7                 | 7               | 2.3               | Y           | Absent      |                         | MCP-8151-10(7)                                                                                                                                                                                                                                                                                   |
| L2446578-02S        | Amber 1000ml unpreserved     | B             | 7                 | 7               | 2.3               | Y           | Absent      |                         | MCP-8151-10(7)                                                                                                                                                                                                                                                                                   |

**Project Name:** TRURO DPW  
**Project Number:** TRU250P2

Serial\_No:08262415:27  
**Lab Number:** L2446578  
**Report Date:** 08/26/24

**Container Information**

| Container ID | Container Type               | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal   | Frozen Date/Time | Analysis(*)                                                                                                                                                                                                                                                                                      |
|--------------|------------------------------|--------|------------|----------|------------|------|--------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L2446578-02T | Amber 1000ml HCl preserved   | B      | <2         | <2       | 2.3        | Y    | Absent |                  | EPH-20(14)                                                                                                                                                                                                                                                                                       |
| L2446578-02U | Amber 1000ml HCl preserved   | B      | <2         | <2       | 2.3        | Y    | Absent |                  | EPH-20(14)                                                                                                                                                                                                                                                                                       |
| L2446578-03A | Vial HCl preserved           | D      | NA         |          | 3.1        | Y    | Absent |                  | MCP-8260-21(14)                                                                                                                                                                                                                                                                                  |
| L2446578-03B | Vial HCl preserved           | D      | NA         |          | 3.1        | Y    | Absent |                  | MCP-8260-21(14)                                                                                                                                                                                                                                                                                  |
| L2446578-03C | Vial HCl preserved           | D      | NA         |          | 3.1        | Y    | Absent |                  | MCP-8260-21(14)                                                                                                                                                                                                                                                                                  |
| L2446578-03D | Vial Na2S2O3 preserved       | D      | NA         |          | 3.1        | Y    | Absent |                  | 8011(14)                                                                                                                                                                                                                                                                                         |
| L2446578-03E | Vial Na2S2O3 preserved       | D      | NA         |          | 3.1        | Y    | Absent |                  | 8011(14)                                                                                                                                                                                                                                                                                         |
| L2446578-03F | Vial HCl preserved           | D      | NA         |          | 3.1        | Y    | Absent |                  | VPH-18(14)                                                                                                                                                                                                                                                                                       |
| L2446578-03G | Vial HCl preserved           | D      | NA         |          | 3.1        | Y    | Absent |                  | VPH-18(14)                                                                                                                                                                                                                                                                                       |
| L2446578-03H | Vial HCl preserved           | D      | NA         |          | 3.1        | Y    | Absent |                  | VPH-18(14)                                                                                                                                                                                                                                                                                       |
| L2446578-03I | Plastic 250ml HNO3 preserved | D      | <2         | <2       | 3.1        | Y    | Absent |                  | MCP-BE-6020S-10(180),MCP-CD-6010S-10(180),MCP-7470S-10(28),MCP-SB-6020S-10(180),MCP-AG-6010S-10(180),MCP-ZN-6010S-10(180),MCP-AS-6010S-10(180),MCP-CR-6010S-10(180),MCP-TL-6020S-10(180),MCP-BA-6010S-10(180),MCP-PB-6010S-10(180),MCP-SE-6010S-10(180),MCP-NI-6010S-10(180),MCP-V-6010S-10(180) |
| L2446578-03J | Amber 100ml unpreserved      | D      | 7          | 7        | 3.1        | Y    | Absent |                  | MCP-8270-21-RVT(7),MCP-8270SIM-21-RVT(7)                                                                                                                                                                                                                                                         |
| L2446578-03K | Amber 100ml unpreserved      | D      | 7          | 7        | 3.1        | Y    | Absent |                  | MCP-8270-21-RVT(7),MCP-8270SIM-21-RVT(7)                                                                                                                                                                                                                                                         |
| L2446578-03L | Amber 120ml unpreserved      | D      | 7          | 7        | 3.1        | Y    | Absent |                  | MCP-8081-10(7)                                                                                                                                                                                                                                                                                   |
| L2446578-03M | Amber 120ml unpreserved      | D      | 7          | 7        | 3.1        | Y    | Absent |                  | MCP-8081-10(7)                                                                                                                                                                                                                                                                                   |
| L2446578-03N | Amber 120ml unpreserved      | D      | 7          | 7        | 3.1        | Y    | Absent |                  | MCP-8082-10-LVI(365)                                                                                                                                                                                                                                                                             |
| L2446578-03O | Amber 120ml unpreserved      | D      | 7          | 7        | 3.1        | Y    | Absent |                  | MCP-8082-10-LVI(365)                                                                                                                                                                                                                                                                             |
| L2446578-03P | Amber 250ml unpreserved      | D      | 7          | 7        | 3.1        | Y    | Absent |                  | A2-MCP14DXSIM-PPB-21(7)                                                                                                                                                                                                                                                                          |
| L2446578-03Q | Amber 250ml unpreserved      | D      | 7          | 7        | 3.1        | Y    | Absent |                  | A2-MCP14DXSIM-PPB-21(7)                                                                                                                                                                                                                                                                          |
| L2446578-03R | Amber 1000ml unpreserved     | D      | 7          | 7        | 3.1        | Y    | Absent |                  | MCP-8151-10(7)                                                                                                                                                                                                                                                                                   |
| L2446578-03S | Amber 1000ml unpreserved     | D      | 7          | 7        | 3.1        | Y    | Absent |                  | MCP-8151-10(7)                                                                                                                                                                                                                                                                                   |
| L2446578-03T | Amber 1000ml HCl preserved   | D      | <2         | <2       | 3.1        | Y    | Absent |                  | EPH-20(14)                                                                                                                                                                                                                                                                                       |
| L2446578-03U | Amber 1000ml HCl preserved   | D      | <2         | <2       | 3.1        | Y    | Absent |                  | EPH-20(14)                                                                                                                                                                                                                                                                                       |
| L2446578-04A | Vial HCl preserved           | D      | NA         |          | 3.1        | Y    | Absent |                  | MCP-8260-21(14)                                                                                                                                                                                                                                                                                  |

**Project Name:** TRURO DPW  
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**Serial\_No:** 08262415:27  
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**Container Information**

| Container ID | Container Type               | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal   | Frozen Date/Time | Analysis(*)                                                                                                                                                                                                                                                                                      |
|--------------|------------------------------|--------|------------|----------|------------|------|--------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L2446578-04B | Vial HCl preserved           | D      | NA         |          | 3.1        | Y    | Absent |                  | MCP-8260-21(14)                                                                                                                                                                                                                                                                                  |
| L2446578-04C | Vial HCl preserved           | D      | NA         |          | 3.1        | Y    | Absent |                  | MCP-8260-21(14)                                                                                                                                                                                                                                                                                  |
| L2446578-04D | Vial Na2S2O3 preserved       | D      | NA         |          | 3.1        | Y    | Absent |                  | 8011(14)                                                                                                                                                                                                                                                                                         |
| L2446578-04E | Vial Na2S2O3 preserved       | D      | NA         |          | 3.1        | Y    | Absent |                  | 8011(14)                                                                                                                                                                                                                                                                                         |
| L2446578-04F | Vial HCl preserved           | D      | NA         |          | 3.1        | Y    | Absent |                  | VPH-18(14)                                                                                                                                                                                                                                                                                       |
| L2446578-04G | Vial HCl preserved           | D      | NA         |          | 3.1        | Y    | Absent |                  | VPH-18(14)                                                                                                                                                                                                                                                                                       |
| L2446578-04H | Vial HCl preserved           | D      | NA         |          | 3.1        | Y    | Absent |                  | VPH-18(14)                                                                                                                                                                                                                                                                                       |
| L2446578-04I | Plastic 250ml HNO3 preserved | D      | <2         | <2       | 3.1        | Y    | Absent |                  | MCP-BE-6020S-10(180),MCP-CD-6010S-10(180),MCP-7470S-10(28),MCP-SB-6020S-10(180),MCP-AG-6010S-10(180),MCP-ZN-6010S-10(180),MCP-CR-6010S-10(180),MCP-AS-6010S-10(180),MCP-TL-6020S-10(180),MCP-BA-6010S-10(180),MCP-PB-6010S-10(180),MCP-SE-6010S-10(180),MCP-V-6010S-10(180),MCP-NI-6010S-10(180) |
| L2446578-04J | Amber 100ml unpreserved      | D      | 7          | 7        | 3.1        | Y    | Absent |                  | MCP-8270-21-RVT(7),MCP-8270SIM-21-RVT(7)                                                                                                                                                                                                                                                         |
| L2446578-04K | Amber 100ml unpreserved      | D      | 7          | 7        | 3.1        | Y    | Absent |                  | MCP-8270-21-RVT(7),MCP-8270SIM-21-RVT(7)                                                                                                                                                                                                                                                         |
| L2446578-04L | Amber 120ml unpreserved      | D      | 7          | 7        | 3.1        | Y    | Absent |                  | MCP-8081-10(7)                                                                                                                                                                                                                                                                                   |
| L2446578-04M | Amber 120ml unpreserved      | D      | 7          | 7        | 3.1        | Y    | Absent |                  | MCP-8081-10(7)                                                                                                                                                                                                                                                                                   |
| L2446578-04N | Amber 120ml unpreserved      | D      | 7          | 7        | 3.1        | Y    | Absent |                  | MCP-8082-10-LVI(365)                                                                                                                                                                                                                                                                             |
| L2446578-04O | Amber 120ml unpreserved      | D      | 7          | 7        | 3.1        | Y    | Absent |                  | MCP-8082-10-LVI(365)                                                                                                                                                                                                                                                                             |
| L2446578-04P | Amber 250ml unpreserved      | D      | 7          | 7        | 3.1        | Y    | Absent |                  | A2-MCP14DXSIM-PPB-21(7)                                                                                                                                                                                                                                                                          |
| L2446578-04Q | Amber 250ml unpreserved      | D      | 7          | 7        | 3.1        | Y    | Absent |                  | A2-MCP14DXSIM-PPB-21(7)                                                                                                                                                                                                                                                                          |
| L2446578-04R | Amber 1000ml unpreserved     | D      | 7          | 7        | 3.1        | Y    | Absent |                  | MCP-8151-10(7)                                                                                                                                                                                                                                                                                   |
| L2446578-04S | Amber 1000ml unpreserved     | D      | 7          | 7        | 3.1        | Y    | Absent |                  | MCP-8151-10(7)                                                                                                                                                                                                                                                                                   |
| L2446578-04T | Amber 1000ml HCl preserved   | D      | <2         | <2       | 3.1        | Y    | Absent |                  | EPH-20(14)                                                                                                                                                                                                                                                                                       |
| L2446578-04U | Amber 1000ml HCl preserved   | D      | <2         | <2       | 3.1        | Y    | Absent |                  | EPH-20(14)                                                                                                                                                                                                                                                                                       |
| L2446578-05A | Vial HCl preserved           | A      | NA         |          | 5.8        | Y    | Absent |                  | MCP-8260-21(14)                                                                                                                                                                                                                                                                                  |
| L2446578-05B | Vial HCl preserved           | A      | NA         |          | 5.8        | Y    | Absent |                  | MCP-8260-21(14)                                                                                                                                                                                                                                                                                  |
| L2446578-05C | Vial HCl preserved           | A      | NA         |          | 5.8        | Y    | Absent |                  | MCP-8260-21(14)                                                                                                                                                                                                                                                                                  |
| L2446578-05D | Vial Na2S2O3 preserved       | A      | NA         |          | 5.8        | Y    | Absent |                  | 8011(14)                                                                                                                                                                                                                                                                                         |

**Project Name:** TRURO DPW  
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**Container Information**

| Container ID | Container Type               | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal   | Frozen Date/Time | Analysis(*)                                                                                                                                                                                                                                                                                      |
|--------------|------------------------------|--------|------------|----------|------------|------|--------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L2446578-05E | Vial Na2S2O3 preserved       | A      | NA         |          | 5.8        | Y    | Absent |                  | 8011(14)                                                                                                                                                                                                                                                                                         |
| L2446578-05F | Vial HCl preserved           | A      | NA         |          | 5.8        | Y    | Absent |                  | VPH-18(14)                                                                                                                                                                                                                                                                                       |
| L2446578-05G | Vial HCl preserved           | A      | NA         |          | 5.8        | Y    | Absent |                  | VPH-18(14)                                                                                                                                                                                                                                                                                       |
| L2446578-05H | Vial HCl preserved           | A      | NA         |          | 5.8        | Y    | Absent |                  | VPH-18(14)                                                                                                                                                                                                                                                                                       |
| L2446578-05I | Plastic 250ml HNO3 preserved | A      | <2         | <2       | 5.8        | Y    | Absent |                  | MCP-BE-6020S-10(180),MCP-CD-6010S-10(180),MCP-SB-6020S-10(180),MCP-7470S-10(28),MCP-AG-6010S-10(180),MCP-ZN-6010S-10(180),MCP-AS-6010S-10(180),MCP-TL-6020S-10(180),MCP-CR-6010S-10(180),MCP-BA-6010S-10(180),MCP-PB-6010S-10(180),MCP-SE-6010S-10(180),MCP-NI-6010S-10(180),MCP-V-6010S-10(180) |
| L2446578-05J | Amber 100ml unpreserved      | A      | 7          | 7        | 5.8        | Y    | Absent |                  | MCP-8270-21-RVT(7),MCP-8270SIM-21-RVT(7)                                                                                                                                                                                                                                                         |
| L2446578-05K | Amber 100ml unpreserved      | A      | 7          | 7        | 5.8        | Y    | Absent |                  | MCP-8270-21-RVT(7),MCP-8270SIM-21-RVT(7)                                                                                                                                                                                                                                                         |
| L2446578-05L | Amber 120ml unpreserved      | A      | 7          | 7        | 5.8        | Y    | Absent |                  | MCP-8081-10(7)                                                                                                                                                                                                                                                                                   |
| L2446578-05M | Amber 120ml unpreserved      | A      | 7          | 7        | 5.8        | Y    | Absent |                  | MCP-8081-10(7)                                                                                                                                                                                                                                                                                   |
| L2446578-05N | Amber 120ml unpreserved      | A      | 7          | 7        | 5.8        | Y    | Absent |                  | MCP-8082-10-LVI(365)                                                                                                                                                                                                                                                                             |
| L2446578-05O | Amber 120ml unpreserved      | A      | 7          | 7        | 5.8        | Y    | Absent |                  | MCP-8082-10-LVI(365)                                                                                                                                                                                                                                                                             |
| L2446578-05P | Amber 250ml unpreserved      | A      | 7          | 7        | 5.8        | Y    | Absent |                  | A2-MCP14DXSIM-PPB-21(7)                                                                                                                                                                                                                                                                          |
| L2446578-05Q | Amber 250ml unpreserved      | A      | 7          | 7        | 5.8        | Y    | Absent |                  | A2-MCP14DXSIM-PPB-21(7)                                                                                                                                                                                                                                                                          |
| L2446578-05R | Amber 1000ml unpreserved     | A      | 7          | 7        | 5.8        | Y    | Absent |                  | MCP-8151-10(7)                                                                                                                                                                                                                                                                                   |
| L2446578-05S | Amber 1000ml unpreserved     | A      | 7          | 7        | 5.8        | Y    | Absent |                  | MCP-8151-10(7)                                                                                                                                                                                                                                                                                   |
| L2446578-05T | Amber 1000ml HCl preserved   | A      | <2         | <2       | 5.8        | Y    | Absent |                  | EPH-20(14)                                                                                                                                                                                                                                                                                       |
| L2446578-05U | Amber 1000ml HCl preserved   | A      | <2         | <2       | 5.8        | Y    | Absent |                  | EPH-20(14)                                                                                                                                                                                                                                                                                       |

**Project Name:** TRURO DPW**Lab Number:** L2446578**Project Number:** TRU250P2**Report Date:** 08/26/24

## 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.)<br><br>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: Data Usability Report*

**Project Name:** TRURO DPW  
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## 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, Dibenz(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. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

**Report Format:** Data Usability Report



**Project Name:** TRURO DPW  
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**Lab Number:** L2446578  
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#### **Data Qualifiers**

- ND** - Not detected at the reporting limit (RL) for the sample.
- 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:** TRURO DPW  
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**Lab Number:** L2446578  
**Report Date:** 08/26/24

## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010; WSC-CAM-IIIA and IIID, January 2024; WSC-CAM-IIIB and VA, February 2024; and WSC-CAM-VB and VC, April 2024.
- 131 Method for the Determination of Volatile Petroleum Hydrocarbons (VPH), MassDEP, February 2018, Revision 2.1 with QC Requirements & Performance Standards for the Analysis of VPH under the Massachusetts Contingency Plan, WSC-CAM-IVA, June 1, 2018.
- 135 Method for the Determination of Extractable Petroleum Hydrocarbons (EPH), MassDEP, December 2019, Revision 2.1 with QC Requirements & Performance Standards for the Analysis of EPH under the Massachusetts Contingency Plan, WSC-CAM-IVB, March 1, 2020.
- 141 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA and IIB, November 2021.

## LIMITATION OF LIABILITIES

Alpha Analytical 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 Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical 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 Alpha Analytical.

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.





## Certification Information

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

### Westborough Facility

**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, NO<sub>2</sub>, NO<sub>3</sub>.

### Mansfield Facility

**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.

**Nonpotable Water:** **EPA RSK-175 Dissolved Gases**

**Biological Tissue Matrix:** EPA 3050B

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

### Westborough Facility:

#### 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:

#### 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**

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



## CHAIN OF CUSTODY

PAGE 1 OF 1

8 Walkup Drive  
Westboro, MA 01581  
Tel: 508-898-9220

320 Forbes Blvd  
Mansfield, MA 02048  
Tel: 508-822-9300

## Project Information

Project Name: **Truro DPW**  
Project Location: **Truro, MA**  
Project #: **TRU250P2**  
Project Manager: **Bryan Massa**  
ALPHA Quote #:

## Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)  
Date Due:

Date Rec'd in Lab: **8/15/24**ALPHA Job #: **L2446578**

## Report Information - Data Deliverables

☒ ADEx ☒ EMAIL

## Billing Information

☒ Same as Client info PO #:

## Client Information

Client: **HRP Associates**  
Address: **13 Court St  
Plymouth, MA**  
Phone:

Email: **bryan.massa@hrpassociates.com**

## Additional Project Information:

\* Diss. Metals filtered w/ .45 mic. filter.

## Regulatory Requirements &amp; Project Information Requirements

☒ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods  
☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)  
☒ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)  
☐ Yes ☐ No NPDES RGP  
☐ Other State/Fed Program

| ALPHA Lab ID<br>(Lab Use Only) | Sample ID | Collection |      | Sample Matrix | Sampler Initials | VOC: | SVOC: | METAL | METAL | EPH: L | VPH: L | X PCB | TPH: L | Her | D: | A2 | E |   | Sample Comments | S.M.T. |    |
|--------------------------------|-----------|------------|------|---------------|------------------|------|-------|-------|-------|--------|--------|-------|--------|-----|----|----|---|---|-----------------|--------|----|
|                                |           | Date       | Time |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
| 46578-01                       | MW-1      | 8/14/24    | 1200 | GW            | ACB              | X    | X     |       |       | X      | X      | X     |        | X   | X  | X  | X |   |                 | 21     |    |
| 02                             | MW-2      | 8/14/24    | 1030 | ↓             | ↓                | X    | X     |       |       | X      | X      | X     |        | X   | X  | X  | X |   |                 | 21     |    |
| 03                             | MW-3      | 8/14/24    | 1330 |               |                  | X    | X     |       |       | X      | X      | X     |        | X   | X  | X  | X | X |                 |        | 21 |
| 04                             | MW-4      | 8/15/24    | 1200 |               |                  | X    | X     |       |       | X      | X      | X     |        | X   | X  | X  | X | X |                 |        | 21 |
| 05                             | MW-5      | 8/14/24    | 900  |               |                  | X    | X     |       |       | X      | X      | X     |        | X   | X  | X  | X | X |                 |        | 21 |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |
|                                |           |            |      |               |                  |      |       |       |       |        |        |       |        |     |    |    |   |   |                 |        |    |

## Container Type

P= Plastic  
A= Amber glass  
V= Vial  
G= Glass  
B= Bacteria cup  
C= Cube  
O= Other  
E= Encore  
D= BOD Bottle

## Preservative

A= None  
B= HCl  
C= HNO<sub>3</sub>  
D= H<sub>2</sub>SO<sub>4</sub>  
E= NaOH  
F= MeOH  
G= NaHSO<sub>4</sub>  
H= Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>  
I= Ascorbic Acid  
J= NH<sub>4</sub>Cl  
K= Zn Acetate  
O= Other

## Container Type

## Preservative

Relinquished By:

Date/Time

Received By:

Date/Time

*Andru Belm* 8/15/24 @ 1540 *ve Nam PAGE* 8/15/24 17:10  
*ve Nam PAGE* 8/15/24 19:15 *thru* 8/15/24 19:15

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)

# Method Blank Summary

## Form 4

### Volatiles

Client : HRP Associates, Inc  
Project Name : TRURO DPW  
Lab Sample ID : WG1962513-5  
Instrument ID : JACK  
Matrix : WATER

Lab Number : L2446578  
Project Number : TRU250P2  
Lab File ID : J240821A12  
Analysis Date : 08/21/24 07:53

| Client Sample No. | Lab Sample ID | Analysis Date  |
|-------------------|---------------|----------------|
| WG1962513-3LCS    | WG1962513-3   | 08/21/24 02:56 |
| WG1962513-4LCSD   | WG1962513-4   | 08/21/24 03:23 |
| MW-5              | L2446578-05   | 08/21/24 08:47 |
| MW-4              | L2446578-04   | 08/21/24 09:14 |

# Method Blank Summary

## Form 4

### Volatiles

|               |                       |                |                  |
|---------------|-----------------------|----------------|------------------|
| Client        | : HRP Associates, Inc | Lab Number     | : L2446578       |
| Project Name  | : TRURO DPW           | Project Number | : TRU250P2       |
| Lab Sample ID | : WG1962487-5         | Lab File ID    | : VQ240820A18    |
| Instrument ID | : QUIMBY              |                |                  |
| Matrix        | : WATER               | Analysis Date  | : 08/21/24 09:19 |

| Client Sample No. | Lab Sample ID | Analysis Date  |
|-------------------|---------------|----------------|
| WG1962487-3LCS    | WG1962487-3   | 08/21/24 02:44 |
| WG1962487-4LCSD   | WG1962487-4   | 08/21/24 03:07 |
| MW-1              | L2446578-01   | 08/21/24 11:39 |
| MW-2              | L2446578-02   | 08/21/24 12:02 |
| MW-3              | L2446578-03   | 08/21/24 12:25 |

# Calibration Verification Summary

## Form 7

### Volatiles

Client : HRP Associates, Inc  
 Project Name : TRURO DPW  
 Instrument ID : QUIMBY  
 Lab File ID : VQ240820A01  
 Sample No : WG1962487-2  
 Channel :

Lab Number : L2446578  
 Project Number : TRU250P2  
 Calibration Date : 08/21/24 02:44  
 Init. Calib. Date(s) : 07/15/24 07/15/24  
 Init. Calib. Times : 04:12 08:26

| Compound                  | Ave. RRF | RRF      | Min RRF | %D    | Max %D | Area% | Dev(min) |
|---------------------------|----------|----------|---------|-------|--------|-------|----------|
| Fluorobenzene             | 1        | 1        | -       | 0     | 20     | 88    | 0        |
| Dichlorodifluoromethane   | 0.231    | 0.242    | -       | -4.8  | 20     | 90    | 0        |
| Chloromethane             | 0.225    | 0.264    | -       | -17.3 | 20     | 98    | 0        |
| Vinyl chloride            | 0.219    | 0.224    | -       | -2.3  | 20     | 84    | 0        |
| Bromomethane              | 0.117    | 0.111    | -       | 5.1   | 20     | 93    | 0        |
| Chloroethane              | 0.145    | 0.137    | -       | 5.5   | 20     | 79    | 0        |
| Trichlorofluoromethane    | 0.309    | 0.318    | -       | -2.9  | 20     | 89    | 0        |
| Ethyl ether               | 0.101    | 0.09     | -       | 10.9  | 20     | 73    | 0        |
| 1,1-Dichloroethene        | 0.174    | 0.156    | -       | 10.3  | 20     | 79    | 0        |
| Carbon disulfide          | 0.435    | 0.441    | -       | -1.4  | 20     | 90    | 0        |
| Methylene chloride        | 0.204    | 0.182    | -       | 10.8  | 20     | 79    | 0        |
| Acetone                   | 0.044    | 0.04     | -       | 9.1   | 20     | 71    | 0        |
| trans-1,2-Dichloroethene  | 0.181    | 0.17     | -       | 6.1   | 20     | 80    | 0        |
| Methyl tert-butyl ether   | 0.516    | 0.468    | -       | 9.3   | 20     | 76    | 0        |
| Diisopropyl ether         | 0.725    | 0.637    | -       | 12.1  | 20     | 74    | 0        |
| 1,1-Dichloroethane        | 0.372    | 0.354    | -       | 4.8   | 20     | 78    | 0        |
| Ethyl tert-butyl ether    | 0.603    | 0.527    | -       | 12.6  | 20     | 74    | 0        |
| cis-1,2-Dichloroethene    | 0.21     | 0.19*    | -       | 9.5   | 20     | 76    | 0        |
| 2,2-Dichloropropane       | 0.296    | 0.281    | -       | 5.1   | 20     | 84    | 0        |
| Bromochloromethane        | 0.101    | 0.103    | -       | -2    | 20     | 85    | 0        |
| Chloroform                | 0.34     | 0.353    | -       | -3.8  | 20     | 90    | 0        |
| Carbon tetrachloride      | 0.256    | 0.265    | -       | -3.5  | 20     | 88    | 0        |
| Tetrahydrofuran           | 0.059    | 0.05     | -       | 15.3  | 20     | 71    | 0        |
| Dibromofluoromethane      | 0.261    | 0.276    | -       | -5.7  | 20     | 94    | 0        |
| 1,1,1-Trichloroethane     | 0.298    | 0.301    | -       | -1    | 20     | 86    | 0        |
| 2-Butanone                | 0.076    | 0.061    | -       | 19.7  | 20     | 69    | 0        |
| 1,1-Dichloropropene       | 0.252    | 0.224    | -       | 11.1  | 20     | 76    | 0        |
| Benzene                   | 0.761    | 0.739    | -       | 2.9   | 20     | 81    | 0        |
| tert-Amyl methyl ether    | 0.42     | 0.361    | -       | 14    | 20     | 72    | 0        |
| 1,2-Dichloroethane-d4     | 0.299    | 0.336    | -       | -12.4 | 20     | 94    | 0        |
| 1,2-Dichloroethane        | 0.251    | 0.269    | -       | -7.2  | 20     | 90    | 0        |
| Trichloroethene           | 0.202    | 0.208    | -       | -3    | 20     | 88    | 0        |
| Dibromomethane            | 0.107    | 0.103    | -       | 3.7   | 20     | 78    | 0        |
| 1,2-Dichloropropane       | 0.2      | 0.19*    | -       | 5     | 20     | 80    | 0        |
| Bromodichloromethane      | 0.247    | 0.252*   | -       | -2    | 20     | 85    | 0        |
| 1,4-Dioxane               | 0.00096  | 0.00093* | -       | 3.1   | 20     | 77    | 0        |
| cis-1,3-Dichloropropene   | 0.279    | 0.262*   | -       | 6.1   | 20     | 79    | 0        |
| Chlorobenzene-d5          | 1        | 1        | -       | 0     | 20     | 82    | 0        |
| Toluene-d8                | 1.191    | 1.285    | -       | -7.9  | 20     | 87    | 0        |
| Toluene                   | 0.578    | 0.616    | -       | -6.6  | 20     | 83    | 0        |
| 4-Methyl-2-pentanone      | 0.058    | 0.047    | -       | 19    | 20     | 64    | 0        |
| Tetrachloroethene         | 0.248    | 0.266    | -       | -7.3  | 20     | 84    | 0        |
| trans-1,3-Dichloropropene | 0.285    | 0.288*   | -       | -1.1  | 20     | 78    | 0        |

\* Value outside of QC limits.



# Calibration Verification Summary

## Form 7

### Volatiles

Client : HRP Associates, Inc  
 Project Name : TRURO DPW  
 Instrument ID : QUIMBY  
 Lab File ID : VQ240820A01  
 Sample No : WG1962487-2  
 Channel :

Lab Number : L2446578  
 Project Number : TRU250P2  
 Calibration Date : 08/21/24 02:44  
 Init. Calib. Date(s) : 07/15/24 07/15/24  
 Init. Calib. Times : 04:12 08:26

| Compound                   | Ave. RRF | RRF    | Min RRF | %D    | Max %D | Area% | Dev(min) |
|----------------------------|----------|--------|---------|-------|--------|-------|----------|
| 1,1,2-Trichloroethane      | 0.153    | 0.163* | -       | -6.5  | 20     | 82    | 0        |
| Chlorodibromomethane       | 0.227    | 0.227  | -       | 0     | 20     | 81    | 0        |
| 1,3-Dichloropropane        | 0.313    | 0.318  | -       | -1.6  | 20     | 77    | 0        |
| 1,2-Dibromoethane          | 0.183    | 0.178* | -       | 2.7   | 20     | 73    | -.01     |
| 2-Hexanone                 | 0.11     | 0.084  | -       | 23.6* | 20     | 63    | 0        |
| Chlorobenzene              | 0.675    | 0.696  | -       | -3.1  | 20     | 81    | 0        |
| Ethylbenzene               | 1.116    | 1.105  | -       | 1     | 20     | 77    | 0        |
| 1,1,1,2-Tetrachloroethane  | 0.238    | 0.255  | -       | -7.1  | 20     | 85    | 0        |
| p/m Xylene                 | 0.442    | 0.457  | -       | -3.4  | 20     | 80    | 0        |
| o Xylene                   | 0.426    | 0.416  | -       | 2.3   | 20     | 75    | 0        |
| Styrene                    | 0.73     | 0.743  | -       | -1.8  | 20     | 78    | 0        |
| 1,4-Dichlorobenzene-d4     | 1        | 1      | -       | 0     | 20     | 84    | 0        |
| Bromoform                  | 0.244    | 0.223  | -       | 8.6   | 20     | 80    | 0        |
| Isopropylbenzene           | 1.952    | 1.73   | -       | 11.4  | 20     | 72    | 0        |
| 4-Bromofluorobenzene       | 0.824    | 0.762  | -       | 7.5   | 20     | 78    | 0        |
| Bromobenzene               | 0.525    | 0.502  | -       | 4.4   | 20     | 79    | 0        |
| n-Propylbenzene            | 2.276    | 2.23   | -       | 2     | 20     | 79    | 0        |
| 1,1,2,2-Tetrachloroethane  | 0.387    | 0.373  | -       | 3.6   | 20     | 81    | 0        |
| 2-Chlorotoluene            | 1.597    | 1.653  | -       | -3.5  | 20     | 84    | 0        |
| 1,3,5-Trimethylbenzene     | 1.683    | 1.613  | -       | 4.2   | 20     | 78    | 0        |
| 1,2,3-Trichloropropane     | 0.324    | 0.315  | -       | 2.8   | 20     | 80    | 0        |
| 4-Chlorotoluene            | 1.437    | 1.442  | -       | -0.3  | 20     | 81    | 0        |
| tert-Butylbenzene          | 1.433    | 1.288  | -       | 10.1  | 20     | 73    | 0        |
| 1,2,4-Trimethylbenzene     | 1.678    | 1.591  | -       | 5.2   | 20     | 76    | 0        |
| sec-Butylbenzene           | 2.052    | 1.922  | -       | 6.3   | 20     | 77    | 0        |
| p-Isopropyltoluene         | 1.821    | 1.62   | -       | 11    | 20     | 73    | 0        |
| 1,3-Dichlorobenzene        | 1.037    | 1.05   | -       | -1.3  | 20     | 85    | 0        |
| 1,4-Dichlorobenzene        | 1.053    | 1.053  | -       | 0     | 20     | 82    | 0        |
| n-Butylbenzene             | 1.51     | 1.483  | -       | 1.8   | 20     | 83    | 0        |
| 1,2-Dichlorobenzene        | 0.994    | 0.959  | -       | 3.5   | 20     | 79    | 0        |
| 1,2-Dibromo-3-chloropropan | 0.06     | 0.055  | -       | 8.3   | 20     | 81    | 0        |
| Hexachlorobutadiene        | 0.227    | 0.216  | -       | 4.8   | 20     | 93    | 0        |
| 1,2,4-Trichlorobenzene     | 0.672    | 0.546  | -       | 18.8  | 20     | 71    | 0        |
| Naphthalene                | 1.503    | 1.067  | -       | 29*   | 20     | 58    | 0        |
| 1,2,3-Trichlorobenzene     | 0.618    | 0.545  | -       | 11.8  | 20     | 75    | 0        |

\* Value outside of QC limits.





# Calibration Verification Summary

## Form 7

### Volatiles

Client : HRP Associates, Inc  
 Project Name : TRURO DPW  
 Instrument ID : JACK  
 Lab File ID : J240821A01  
 Sample No : WG1962513-2  
 Channel :

Lab Number : L2446578  
 Project Number : TRU250P2  
 Calibration Date : 08/21/24 02:56  
 Init. Calib. Date(s) : 07/22/24 07/22/24  
 Init. Calib. Times : 08:17 13:14

| Compound                 | Ave. RRF | RRF   | Min RRF | %D     | Max %D | Area% | Dev(min) |
|--------------------------|----------|-------|---------|--------|--------|-------|----------|
| Fluorobenzene            | 1        | 1     | -       | 0      | 20     | 125   | -.02     |
| Dichlorodifluoromethane  | 0.34     | 0.337 | -       | 0.9    | 20     | 114   | -.01     |
| Chloromethane            | 0.383    | 0.357 | -       | 6.8    | 20     | 105   | -.01     |
| Vinyl chloride           | 0.401    | 0.378 | -       | 5.7    | 20     | 106   | -.01     |
| Bromomethane             | 10       | 8.236 | -       | 17.6   | 20     | 97    | -.01     |
| Chloroethane             | 0.235    | 0.214 | -       | 8.9    | 20     | 106   | -.01     |
| Trichlorofluoromethane   | 0.411    | 0.439 | -       | -6.8   | 20     | 128   | -.02     |
| Ethyl ether              | 0.131    | 0.129 | -       | 1.5    | 20     | 122   | -.01     |
| 1,1-Dichloroethene       | 0.224    | 0.241 | -       | -7.6   | 20     | 124   | -.02     |
| Carbon disulfide         | 0.711    | 0.784 | -       | -10.3  | 20     | 129   | -.01     |
| Freon-113                | 0.245    | 0.27  | -       | -10.2  | 20     | 130   | -.01     |
| Methylene chloride       | 0.255    | 0.264 | -       | -3.5   | 20     | 121   | -.02     |
| Acetone                  | 0.075    | 0.082 | -       | -9.3   | 20     | 125   | -.02     |
| trans-1,2-Dichloroethene | 0.237    | 0.258 | -       | -8.9   | 20     | 129   | -.01     |
| Methyl acetate           | 0.19     | 0.179 | -       | 5.8    | 20     | 126   | -.01     |
| Methyl tert-butyl ether  | 0.687    | 0.718 | -       | -4.5   | 20     | 129   | -.02     |
| tert-Butyl alcohol       | 0.025    | 0.027 | -       | -8     | 20     | 140   | -.02     |
| Diisopropyl ether        | 0.908    | 0.967 | -       | -6.5   | 20     | 129   | -.01     |
| 1,1-Dichloroethane       | 0.53     | 0.589 | -       | -11.1  | 20     | 124   | -.01     |
| Halothane                | 0.182    | 0.207 | -       | -13.7  | 20     | 133   | -.01     |
| Acrylonitrile            | 0.096    | 0.102 | -       | -6.2   | 20     | 127   | -.01     |
| Ethyl tert-butyl ether   | 0.787    | 0.808 | -       | -2.7   | 20     | 129   | -.02     |
| Vinyl acetate            | 0.56     | 0.698 | -       | -24.6* | 20     | 153   | -.01     |
| cis-1,2-Dichloroethene   | 0.265    | 0.286 | -       | -7.9   | 20     | 124   | -.01     |
| 2,2-Dichloropropane      | 0.415    | 0.462 | -       | -11.3  | 20     | 127   | -.01     |
| Bromochloromethane       | 0.118    | 0.127 | -       | -7.6   | 20     | 125   | 0        |
| Cyclohexane              | 0.525    | 0.589 | -       | -12.2  | 20     | 133   | -.01     |
| Chloroform               | 0.454    | 0.492 | -       | -8.4   | 20     | 124   | -.01     |
| Ethyl acetate            | 0.25     | 0.263 | -       | -5.2   | 20     | 134   | -.02     |
| Carbon tetrachloride     | 0.344    | 0.383 | -       | -11.3  | 20     | 127   | -.01     |
| Tetrahydrofuran          | 0.102    | 0.111 | -       | -8.8   | 20     | 132   | -.02     |
| Dibromofluoromethane     | 0.27     | 0.265 | -       | 1.9    | 20     | 123   | -.01     |
| 1,1,1-Trichloroethane    | 0.392    | 0.435 | -       | -11    | 20     | 127   | -.02     |
| 2-Butanone               | 0.11     | 0.113 | -       | -2.7   | 20     | 140   | -.02     |
| 1,1-Dichloropropene      | 0.33     | 0.364 | -       | -10.3  | 20     | 129   | -.01     |
| Benzene                  | 1.026    | 1.072 | -       | -4.5   | 20     | 127   | -.01     |
| tert-Amyl methyl ether   | 0.631    | 0.643 | -       | -1.9   | 20     | 130   | -.01     |
| 1,2-Dichloroethane-d4    | 0.342    | 0.349 | -       | -2     | 20     | 127   | -.01     |
| 1,2-Dichloroethane       | 0.345    | 0.379 | -       | -9.9   | 20     | 127   | 0        |
| Methyl cyclohexane       | 0.442    | 0.476 | -       | -7.7   | 20     | 136   | -.01     |
| Trichloroethene          | 0.24     | 0.265 | -       | -10.4  | 20     | 128   | -.01     |
| Dibromomethane           | 0.142    | 0.148 | -       | -4.2   | 20     | 120   | -.01     |
| 1,2-Dichloropropane      | 0.273    | 0.288 | -       | -5.5   | 20     | 124   | 0        |

\* Value outside of QC limits.



# Calibration Verification Summary

## Form 7

### Volatiles

Client : HRP Associates, Inc  
 Project Name : TRURO DPW  
 Instrument ID : JACK  
 Lab File ID : J240821A01  
 Sample No : WG1962513-2  
 Channel :

Lab Number : L2446578  
 Project Number : TRU250P2  
 Calibration Date : 08/21/24 02:56  
 Init. Calib. Date(s) : 07/22/24 07/22/24  
 Init. Calib. Times : 08:17 13:14

| Compound                   | Ave. RRF | RRF      | Min RRF | %D   | Max %D | Area% | Dev(min) |
|----------------------------|----------|----------|---------|------|--------|-------|----------|
| Bromodichloromethane       | 0.333    | 0.355    | -       | -6.6 | 20     | 123   | -.01     |
| 1,4-Dioxane                | 0.00204  | 0.00199* | -       | 2.5  | 20     | 113   | -.02     |
| cis-1,3-Dichloropropene    | 0.381    | 0.411    | -       | -7.9 | 20     | 128   | 0        |
| Chlorobenzene-d5           | 1        | 1        | -       | 0    | 20     | 128   | 0        |
| Toluene-d8                 | 1.268    | 1.268    | -       | 0    | 20     | 127   | 0        |
| Toluene                    | 0.812    | 0.866    | -       | -6.7 | 20     | 126   | -.01     |
| 4-Methyl-2-pentanone       | 0.119    | 0.114    | -       | 4.2  | 20     | 133   | -.02     |
| Tetrachloroethene          | 0.33     | 0.347    | -       | -5.2 | 20     | 134   | -.02     |
| trans-1,3-Dichloropropene  | 10       | 9.468    | -       | 5.3  | 20     | 127   | -.01     |
| Ethyl methacrylate         | 0.366    | 0.393    | -       | -7.4 | 20     | 130   | -.01     |
| 1,1,2-Trichloroethane      | 0.209    | 0.218    | -       | -4.3 | 20     | 121   | -.01     |
| Chlorodibromomethane       | 0.298    | 0.303    | -       | -1.7 | 20     | 125   | -.01     |
| 1,3-Dichloropropane        | 0.44     | 0.458    | -       | -4.1 | 20     | 130   | -.01     |
| 1,2-Dibromoethane          | 0.254    | 0.263    | -       | -3.5 | 20     | 126   | 0        |
| 2-Hexanone                 | 0.22     | 0.238    | -       | -8.2 | 20     | 133   | 0        |
| Chlorobenzene              | 0.841    | 0.893    | -       | -6.2 | 20     | 130   | 0        |
| Ethylbenzene               | 1.582    | 1.695    | -       | -7.1 | 20     | 128   | 0        |
| 1,1,1,2-Tetrachloroethane  | 0.293    | 0.309    | -       | -5.5 | 20     | 129   | 0        |
| p/m Xylene                 | 0.619    | 0.658    | -       | -6.3 | 20     | 126   | 0        |
| o Xylene                   | 0.591    | 0.624    | -       | -5.6 | 20     | 128   | 0        |
| Styrene                    | 0.984    | 1.036    | -       | -5.3 | 20     | 128   | 0        |
| 1,4-Dichlorobenzene-d4     | 1        | 1        | -       | 0    | 20     | 129   | 0        |
| Bromoform                  | 0.373    | 0.366    | -       | 1.9  | 20     | 128   | 0        |
| Isopropylbenzene           | 2.991    | 3.113    | -       | -4.1 | 20     | 127   | 0        |
| 4-Bromofluorobenzene       | 0.89     | 0.897    | -       | -0.8 | 20     | 131   | 0        |
| Bromobenzene               | 0.652    | 0.699    | -       | -7.2 | 20     | 133   | 0        |
| n-Propylbenzene            | 3.62     | 3.818    | -       | -5.5 | 20     | 129   | 0        |
| 1,4-Dichlorobutane         | 1.075    | 1.112    | -       | -3.4 | 20     | 130   | 0        |
| 1,1,2,2-Tetrachloroethane  | 0.667    | 0.633    | -       | 5.1  | 20     | 121   | 0        |
| 4-Ethyltoluene             | 2.854    | 3.037    | -       | -6.4 | 20     | 129   | 0        |
| 2-Chlorotoluene            | 2.306    | 2.479    | -       | -7.5 | 20     | 132   | 0        |
| 1,3,5-Trimethylbenzene     | 2.493    | 2.669    | -       | -7.1 | 20     | 130   | 0        |
| 1,2,3-Trichloropropane     | 0.538    | 0.537    | -       | 0.2  | 20     | 127   | 0        |
| trans-1,4-Dichloro-2-buten | 0.264    | 0.25     | -       | 5.3  | 20     | 117   | 0        |
| 4-Chlorotoluene            | 2.064    | 2.24     | -       | -8.5 | 20     | 133   | 0        |
| tert-Butylbenzene          | 2.127    | 2.254    | -       | -6   | 20     | 129   | 0        |
| 1,2,4-Trimethylbenzene     | 2.429    | 2.582    | -       | -6.3 | 20     | 131   | 0        |
| sec-Butylbenzene           | 3.321    | 3.487    | -       | -5   | 20     | 130   | 0        |
| p-Isopropyltoluene         | 2.767    | 2.972    | -       | -7.4 | 20     | 132   | 0        |
| 1,3-Dichlorobenzene        | 1.295    | 1.389    | -       | -7.3 | 20     | 133   | 0        |
| 1,4-Dichlorobenzene        | 1.293    | 1.382    | -       | -6.9 | 20     | 133   | 0        |
| p-Diethylbenzene           | 1.609    | 1.734    | -       | -7.8 | 20     | 135   | -.01     |
| n-Butylbenzene             | 2.519    | 2.733    | -       | -8.5 | 20     | 132   | -.01     |

\* Value outside of QC limits.





# Calibration Verification Summary

## Form 7

### Volatiles

Client : HRP Associates, Inc  
 Project Name : TRURO DPW  
 Instrument ID : JACK  
 Lab File ID : J240821A01  
 Sample No : WG1962513-2  
 Channel :

Lab Number : L2446578  
 Project Number : TRU250P2  
 Calibration Date : 08/21/24 02:56  
 Init. Calib. Date(s) : 07/22/24 07/22/24  
 Init. Calib. Times : 08:17 13:14

| Compound                   | Ave. RRF | RRF   | Min RRF | %D     | Max %D | Area% | Dev(min) |
|----------------------------|----------|-------|---------|--------|--------|-------|----------|
| 1,2-Dichlorobenzene        | 1.245    | 1.285 | -       | -3.2   | 20     | 129   | 0        |
| 1,2,4,5-Tetramethylbenzene | 2.407    | 2.532 | -       | -5.2   | 20     | 132   | 0        |
| 1,2-Dibromo-3-chloropropan | 0.118    | 0.117 | -       | 0.8    | 20     | 129   | 0        |
| 1,3,5-Trichlorobenzene     | 0.956    | 1.08  | -       | -13    | 20     | 141   | 0        |
| Hexachlorobutadiene        | 0.399    | 0.48  | -       | -20.3* | 20     | 155   | 0        |
| 1,2,4-Trichlorobenzene     | 0.855    | 0.934 | -       | -9.2   | 20     | 139   | 0        |
| Naphthalene                | 2.342    | 2.359 | -       | -0.7   | 20     | 126   | 0        |
| 1,2,3-Trichlorobenzene     | 0.801    | 0.868 | -       | -8.4   | 20     | 138   | 0        |

\* Value outside of QC limits.



# Performance Evaluation Mixture Summary

## Form 15

### Pesticides

Client : HRP Associates, Inc  
 Project Name : TRURO DPW  
 Instrument ID : PEST11  
 PEM Standard : R1867256-1  
 Column 1 : RTX-5

Lab Number : L2446578  
 Project Number : TRU250P2  
 Analysis Date : 08/22/24 05:23  
 Column 2 : RTX-CLPPesticides2

| Parameter       | Signal 1        | Signal 2       |
|-----------------|-----------------|----------------|
| 4,4'-DDE        | 1274688.096     | 534586.20712   |
| Endrin          | 629111580.2872  | 419201815.6552 |
| 4,4'-DDD        | 997730.11719    | 1274671.3216   |
| 4,4'-DDT        | 1036735096.7304 | 742772680.4224 |
| Endrin Aldehyde | 649472.5176     | 0              |
| Endrin Ketone   | 2036206.9672    | 2089483.1968   |

| Parameter | %Breakdown 1 | %Breakdown 2 |
|-----------|--------------|--------------|
| Endrin    | 0.425        | 0.496        |
| DDT       | 0.219        | 0.243        |

# Performance Evaluation Mixture Summary

## Form 15

### Pesticides

Client : HRP Associates, Inc  
 Project Name : TRURO DPW  
 Instrument ID : PEST11  
 PEM Standard : R1867747-1  
 Column 1 : RTX-5

Lab Number : L2446578  
 Project Number : TRU250P2  
 Analysis Date : 08/23/24 06:36  
 Column 2 : RTX-CLPPesticides2

| Parameter       | Signal 1        | Signal 2        |
|-----------------|-----------------|-----------------|
| 4,4'-DDE        | 1141180.7912    | 825977.5584     |
| Endrin          | 731241508.9584  | 408750375.8496  |
| 4,4'-DDD        | 2269085.82884   | 2085351.05315   |
| 4,4'-DDT        | 1266583731.5206 | 746427314.12873 |
| Endrin Aldehyde | 1689819.68      | 0               |
| Endrin Ketone   | 4769002.57125   | 3323536.2496    |

| Parameter | %Breakdown 1 | %Breakdown 2 |
|-----------|--------------|--------------|
| Endrin    | 0.876        | 0.806        |
| DDT       | 0.268        | 0.388        |

# APPENDIX C

## TEST PIT LOGS, SOIL BORING LOGS, AND MONITORING WELL CONSTRUCTION LOGS

|                                |             |          |                          |                                                  |                                                           |                                         |                                                             |         |                     |             |           |       |  |
|--------------------------------|-------------|----------|--------------------------|--------------------------------------------------|-----------------------------------------------------------|-----------------------------------------|-------------------------------------------------------------|---------|---------------------|-------------|-----------|-------|--|
| Project: Truro DPW Phase II    |             |          |                          | HRP ASSOCIATES, INC.                             |                                                           | Test Boring ID/Monitoring Well ID: SB-1 |                                                             |         |                     |             |           |       |  |
| Location: 17 Town Hall Road    |             |          |                          | DRILLING/SOIL LOG                                |                                                           |                                         |                                                             |         |                     |             |           |       |  |
| HRP Job No.: TRU2501.P2        |             |          |                          | Rig Type: Geoprobe 7822 DT                       |                                                           | Sheet No. 1 of 1                        |                                                             |         |                     |             |           |       |  |
| Date: 7/19/2024                |             |          |                          |                                                  |                                                           | Driller: New England Geotech            |                                                             |         |                     |             |           |       |  |
| HRP Rep. SL & AB               |             |          |                          | PROPORTIONS                                      |                                                           |                                         |                                                             |         |                     |             |           |       |  |
| Total Boring Depth: 20 ft      |             |          |                          | trace:                                           | 0 to 10%                                                  |                                         |                                                             |         |                     | some:       | 20 to 35% |       |  |
| Depth to Bedrock: Unknown      |             |          |                          | little:                                          | 10 to 20%                                                 |                                         |                                                             |         |                     | and:        | 35 to 50% |       |  |
| Sampler Depth<br>interval (ft) | Recov. (ft) | Moisture | Contact<br>Interval (ft) | Soil Description (proportions, grain size, etc.) |                                                           |                                         | PID (ppm)                                                   |         | Soil Sample Details |             |           |       |  |
|                                |             |          |                          |                                                  |                                                           |                                         | Depth (ft)                                                  | Reading | Interval (ft)       | Sample Time |           |       |  |
| 05                             | 54/60       | Dry      | 0.0-0.5                  | Gray crushed CONCRETE.                           |                                                           |                                         | 0-2                                                         | < 0.1   | 2-4                 | 0915        |           |       |  |
|                                |             |          | 0.5-5.0                  |                                                  |                                                           |                                         | Medium SAND, little fine gravel, tan.                       |         |                     |             | 2-4       | < 0.1 |  |
|                                |             |          | 5.0-8.0                  |                                                  |                                                           |                                         | Medium to fine SAND, light tan, trace fine gravel.          |         |                     |             | 4-6       | < 0.1 |  |
| 510                            | 54/60       | Dry      | 8.0-8.5                  | Medium to fine SAND, orange/brown.               |                                                           |                                         | 6-8                                                         | < 0.1   |                     |             |           |       |  |
|                                |             |          | 8.5-12.0                 |                                                  |                                                           |                                         | Medium to fine SAND, light tan/brown, trace fine gravel.    |         |                     |             | 8-10      | < 0.1 |  |
|                                |             |          | 12.0-15.0                |                                                  |                                                           |                                         | Medium SAND, medium brown/tan, trace fine to medium gravel. |         |                     |             | 10-12     | < 0.1 |  |
| 1015                           | 48/60       | Dry      | 15.0-16.0                | Medium SAND, orange/brown.                       |                                                           |                                         | 12-14                                                       | < 0.1   |                     |             |           |       |  |
|                                |             |          | 16.0-18.0                |                                                  |                                                           |                                         | Medium SAND, trace coarse sand, light tan.                  |         |                     |             | 14-16     | < 0.1 |  |
|                                |             |          | 18.0-20.0                |                                                  |                                                           |                                         | Medium SAND, light tan to orange brown.                     |         |                     |             | 16-18     | < 0.1 |  |
|                                |             |          |                          |                                                  |                                                           |                                         | 18-20                                                       | < 0.1   |                     |             |           |       |  |
|                                |             |          |                          |                                                  |                                                           |                                         |                                                             |         |                     |             |           |       |  |
|                                |             |          |                          |                                                  |                                                           |                                         |                                                             |         |                     |             |           |       |  |
| NOTES                          |             |          |                          |                                                  | USCS SOIL CLASSIFICATION                                  |                                         |                                                             |         |                     |             |           |       |  |
| ft = feet                      |             |          |                          |                                                  | CH (Fat Clay) OH (Organic Clay / Silt of High Plasticity) |                                         |                                                             |         |                     |             |           |       |  |
| SAA = Same as above            |             |          |                          |                                                  | CL (Lean Clay) OL (Organic Clay / Silt of Low Plasticity) |                                         |                                                             |         |                     |             |           |       |  |
| NA = Not applicable            |             |          |                          |                                                  | GC (Clayey Gravel) PT (Highly Organic Soil / Peat)        |                                         |                                                             |         |                     |             |           |       |  |
| PID = Photoionization Detector |             |          |                          |                                                  | GM ( Silty Gravel) SC (Clayey Sand)                       |                                         |                                                             |         |                     |             |           |       |  |
| ppm = parts per million        |             |          |                          |                                                  | GP (Poorly Graded Gravel) SM (Silty Sand)                 |                                         |                                                             |         |                     |             |           |       |  |
|                                |             |          |                          |                                                  | GW (Well-Graded Gravel) SP (Poorly Graded Sand)           |                                         |                                                             |         |                     |             |           |       |  |
|                                |             |          |                          |                                                  | MH (Elastic Silt) SW (Well-Graded Sand)                   |                                         |                                                             |         |                     |             |           |       |  |
|                                |             |          |                          |                                                  | ML (Silt)                                                 |                                         |                                                             |         |                     |             |           |       |  |



|                                |  |             |          |                            |                                                           |                                         |         |                     |             |                 |  |
|--------------------------------|--|-------------|----------|----------------------------|-----------------------------------------------------------|-----------------------------------------|---------|---------------------|-------------|-----------------|--|
| Project: Truro DPW Phase II    |  |             |          | HRP ASSOCIATES, INC.       |                                                           | Test Boring ID/Monitoring Well ID: SB-3 |         |                     |             |                 |  |
| Location: 17 Town Hall Road    |  |             |          | DRILLING/SOIL LOG          |                                                           |                                         |         |                     |             |                 |  |
| HRP Job No.: TRU2501.P2        |  |             |          | Rig Type: Geoprobe 7822 DT |                                                           | Sheet No. 1 of 1                        |         |                     |             |                 |  |
| Date: 8/5/2024                 |  |             |          |                            |                                                           | Driller: New England Geotech            |         |                     |             |                 |  |
| HRP Rep. AB                    |  |             |          | PROPORTIONS                |                                                           |                                         |         |                     |             |                 |  |
| Total Boring Depth: 20 ft      |  |             |          | trace: 0 to 10%            |                                                           |                                         |         |                     |             | some: 20 to 35% |  |
| Depth to Bedrock: Unknown      |  |             |          | little: 10 to 20%          |                                                           |                                         |         |                     |             | and: 35 to 50%  |  |
| Sampler Depth interval (ft)    |  | Recov. (ft) | Moisture | Contact Interval (ft)      | Soil Description (proportions, grain size, etc.)          | PID (ppm)                               |         | Soil Sample Details |             |                 |  |
|                                |  |             |          |                            |                                                           | Depth (ft)                              | Reading | Interval (ft)       | Sample Time |                 |  |
| 0 5                            |  | 54/60       | Dry      | 0.0-2.0                    | CONCRETE, fill, medium to coarse sand.                    | 0.0-2.0                                 | < 0.1   |                     |             |                 |  |
|                                |  |             |          | 2.0-5.0                    | Medium to coarse SAND.                                    | 2.0-5.0                                 | < 0.1   |                     |             |                 |  |
|                                |  |             |          | 5.0-6.0                    |                                                           | 5.0-6.0                                 | < 0.1   |                     |             |                 |  |
| 5 10                           |  | 60/60       | Dry      | 6.0-8.0                    | Medium to coarse SAND, trace gravel.                      | 6.0-8.0                                 | < 0.1   |                     |             |                 |  |
|                                |  |             |          | 8.0-10.0                   | Medium to coarse SAND, trace gravel.                      | 8.0-10.0                                | < 0.1   |                     |             |                 |  |
|                                |  |             |          | 10.0-12.0                  | Medium to coarse SAND, trace gravel.                      | 10.0-12.0                               | < 0.1   |                     |             |                 |  |
| 10 15                          |  | 60/60       | Dry      | 12.0-14.0                  |                                                           | 12.0-14.0                               | < 0.1   |                     |             |                 |  |
|                                |  |             |          | 14.0-15.0                  | Medium to coarse SAND.                                    | 14.0-15.0                               | < 0.1   |                     |             |                 |  |
|                                |  |             |          | 15.0-16.0                  |                                                           | 15.0-16.0                               | < 0.1   |                     |             |                 |  |
| 15 20                          |  | 60/60       | Dry      | 16.0-18.0                  | Medium to coarse SAND, trace gravel.                      | 16.0-18.0                               | < 0.1   |                     |             |                 |  |
|                                |  |             |          | 18.0-20.0                  |                                                           | 18.0-20.0                               | < 0.1   |                     |             |                 |  |
|                                |  |             |          |                            |                                                           |                                         |         |                     |             |                 |  |
|                                |  |             |          |                            |                                                           |                                         |         |                     |             |                 |  |
|                                |  |             |          |                            |                                                           |                                         |         |                     |             |                 |  |
|                                |  |             |          |                            |                                                           |                                         |         |                     |             |                 |  |
|                                |  |             |          |                            |                                                           |                                         |         |                     |             |                 |  |
|                                |  |             |          |                            |                                                           |                                         |         |                     |             |                 |  |
|                                |  |             |          |                            |                                                           |                                         |         |                     |             |                 |  |
| NOTES                          |  |             |          |                            | USCS SOIL CLASSIFICATION                                  |                                         |         |                     |             |                 |  |
| ft = feet                      |  |             |          |                            | CH (Fat Clay) OH (Organic Clay / Silt of High Plasticity) |                                         |         |                     |             |                 |  |
| SAA = Same as above            |  |             |          |                            | CL (Lean Clay) OL (Organic Clay / Silt of Low Plasticity) |                                         |         |                     |             |                 |  |
| NA = Not applicable            |  |             |          |                            | GC (Clayey Gravel) PT (Highly Organic Soil / Peat)        |                                         |         |                     |             |                 |  |
| PID = Photoionization Detector |  |             |          |                            | GM ( Silty Gravel) SC (Clayey Sand)                       |                                         |         |                     |             |                 |  |
| ppm = parts per million        |  |             |          |                            | GP (Poorly Graded Gravel) SM (Silty Sand)                 |                                         |         |                     |             |                 |  |
|                                |  |             |          |                            | GW (Well-Graded Gravel) SP (Poorly Graded Sand)           |                                         |         |                     |             |                 |  |
|                                |  |             |          |                            | MH (Elastic Silt) SW (Well-Graded Sand)                   |                                         |         |                     |             |                 |  |
|                                |  |             |          |                            | ML (Silt)                                                 |                                         |         |                     |             |                 |  |

| Project: Truro DPW Phase II    |             |          |                          | HRP ASSOCIATES, INC.                             |                           | Test Boring ID/Monitoring Well ID: SB-4     |         |                     |             |  |  |
|--------------------------------|-------------|----------|--------------------------|--------------------------------------------------|---------------------------|---------------------------------------------|---------|---------------------|-------------|--|--|
| Location: 17 Town Hall Road    |             |          |                          | DRILLING/SOIL LOG                                |                           |                                             |         |                     |             |  |  |
| HRP Job No.: TRU2501.P2        |             |          |                          | Rig Type: Geoprobe 7822 DT                       |                           | Sheet No. 1 of 1                            |         |                     |             |  |  |
| Date: 8/5/2024                 |             |          |                          |                                                  |                           | Driller: New England Geotech                |         |                     |             |  |  |
| HRP Rep. AB                    |             |          |                          | PROPORTIONS                                      |                           |                                             |         |                     |             |  |  |
| Total Boring Depth: 20 ft      |             |          |                          | trace: 0 to 10%                                  | some: 20 to 35%           |                                             |         |                     |             |  |  |
| Depth to Bedrock: Unknown      |             |          |                          | little: 10 to 20%                                | and: 35 to 50%            |                                             |         |                     |             |  |  |
| Sampler Depth<br>interval (ft) | Recov. (ft) | Moisture | Contact<br>Interval (ft) | Soil Description (proportions, grain size, etc.) |                           | PID (ppm)                                   |         | Soil Sample Details |             |  |  |
|                                |             |          |                          |                                                  |                           | Depth (ft)                                  | Reading | Interval (ft)       | Sample Time |  |  |
| 05                             | 54/60       | Dry      | 0.0-2.0                  | CONCRETE, fill, medium to coarse sand.           |                           | 0.0-2.0                                     | < 0.1   | 2-4                 | 0955        |  |  |
|                                |             |          | 2.0-4.0                  | FILL, medium to coarse sand.                     |                           | 2.0-4.0                                     | < 0.1   |                     |             |  |  |
|                                |             |          | 4.0-5.0                  | Medium to coarse SAND.                           |                           | 4.0-6.0                                     | < 0.1   |                     |             |  |  |
|                                |             |          | 5.0-6.0                  |                                                  |                           |                                             |         |                     |             |  |  |
| 510                            | 60/60       | Dry      | 6.0-8.0                  | Medium to coarse SAND.                           |                           | 6.0-8.0                                     | < 0.1   |                     |             |  |  |
|                                |             |          | 8.0-10.0                 | Medium to coarse SAND, trace gravel.             |                           | 8.0-10.0                                    | < 0.1   |                     |             |  |  |
|                                |             |          | 10.0-12.0                | Medium to coarse SAND.                           |                           | 10.0-12.0                                   | < 0.1   |                     |             |  |  |
|                                |             |          | 12.0-14.0                | Medium to coarse SAND, trace gravel.             |                           | 12.0-14.0                                   | < 0.1   |                     |             |  |  |
| 1015                           | 60/60       | Dry      | 14.0-15.0                | Medium to coarse SAND.                           |                           | 14.0-15.0                                   | < 0.1   |                     |             |  |  |
|                                |             |          | 15.0-16.0                | Medium to coarse SAND.                           |                           | 15.0-16.0                                   | < 0.1   |                     |             |  |  |
|                                |             |          | 16.0-18.0                | Medium to coarse SAND, trace gravel.             |                           | 16.0-18.0                                   | < 0.1   |                     |             |  |  |
|                                |             |          | 18.0-20.0                | Medium to coarse SAND.                           |                           | 18.0-20.0                                   | < 0.1   |                     |             |  |  |
|                                |             |          |                          |                                                  |                           |                                             |         |                     |             |  |  |
| NOTES                          |             |          |                          |                                                  | USCS SOIL CLASSIFICATION  |                                             |         |                     |             |  |  |
| ft = feet                      |             |          |                          |                                                  | CH (Fat Clay)             | OH (Organic Clay / Silt of High Plasticity) |         |                     |             |  |  |
| SAA = Same as above            |             |          |                          |                                                  | CL (Lean Clay)            | OL (Organic Clay / Silt of Low Plasticity)  |         |                     |             |  |  |
| NA = Not applicable            |             |          |                          |                                                  | GC (Clayey Gravel)        | PT (Highly Organic Soil / Peat)             |         |                     |             |  |  |
| PID = Photoionization Detector |             |          |                          |                                                  | GM ( Silty Gravel)        | SC (Clayey Sand)                            |         |                     |             |  |  |
| ppm = parts per million        |             |          |                          |                                                  | GP (Poorly Graded Gravel) | SM (Silty Sand)                             |         |                     |             |  |  |
|                                |             |          |                          |                                                  | GW (Well-Graded Gravel)   | SP (Poorly Graded Sand)                     |         |                     |             |  |  |
|                                |             |          |                          |                                                  | MH (Elastic Silt)         | SW (Well-Graded Sand)                       |         |                     |             |  |  |
|                                |             |          |                          |                                                  | ML (Silt)                 |                                             |         |                     |             |  |  |



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| Project: Truro DPW Phase II    |             |          |                          | HRP ASSOCIATES, INC.                                           |                                                           | Test Boring ID/Monitoring Well ID: SB-7 |         |                     |             |  |  |  |  |  |  |
|--------------------------------|-------------|----------|--------------------------|----------------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------|---------|---------------------|-------------|--|--|--|--|--|--|
| Location: 17 Town Hall Road    |             |          |                          | DRILLING/SOIL LOG                                              |                                                           |                                         |         |                     |             |  |  |  |  |  |  |
| HRP Job No.: TRU2501.P2        |             |          |                          | Rig Type: Geoprobe 7822 DT                                     |                                                           | Sheet No. 1 of 1                        |         |                     |             |  |  |  |  |  |  |
| Date: 7/19/2024                |             |          |                          |                                                                |                                                           | Driller: New England Geotech            |         |                     |             |  |  |  |  |  |  |
| HRP Rep. SL & AB               |             |          |                          | PROPORTIONS                                                    |                                                           |                                         |         |                     |             |  |  |  |  |  |  |
| Total Boring Depth: 20 ft      |             |          |                          | trace: 0 to 10%                                                | some: 20 to 35%                                           |                                         |         |                     |             |  |  |  |  |  |  |
| Depth to Bedrock: Unknown      |             |          |                          | little: 10 to 20%                                              | and: 35 to 50%                                            |                                         |         |                     |             |  |  |  |  |  |  |
| Sampler Depth<br>interval (ft) | Recov. (ft) | Moisture | Contact<br>Interval (ft) | Soil Description (proportions, grain size, etc.)               |                                                           | PID (ppm)                               |         | Soil Sample Details |             |  |  |  |  |  |  |
|                                |             |          |                          |                                                                |                                                           | Depth (ft)                              | Reading | Interval (ft)       | Sample Time |  |  |  |  |  |  |
| 05                             | 48/60       | Dry      | 0.0-7.0                  | Medium to fine SAND, brown to gray.                            | 0-2                                                       | < 0.1                                   | 2-4     | 1230                |             |  |  |  |  |  |  |
|                                |             |          |                          |                                                                | 2-4                                                       | < 0.1                                   |         |                     |             |  |  |  |  |  |  |
|                                |             |          |                          |                                                                | 6-8                                                       | < 0.1                                   |         |                     |             |  |  |  |  |  |  |
| 510                            | 60/60       | Dry      | 7.0-10.0                 | Medium to coarse SAND, orange to brown, trace fine gravel.     | 8-10                                                      | < 0.1                                   |         |                     |             |  |  |  |  |  |  |
|                                |             |          |                          |                                                                | 10-12                                                     | < 0.1                                   |         |                     |             |  |  |  |  |  |  |
|                                |             |          |                          |                                                                | 12-14                                                     | < 0.1                                   |         |                     |             |  |  |  |  |  |  |
| 1015                           | 60/60       | Dry      | 12.0-13.0                | Medium to coarse SAND, orange to brown, trace fine gravel.     | 14-16                                                     | < 0.1                                   |         |                     |             |  |  |  |  |  |  |
|                                |             |          |                          |                                                                | 16-18                                                     | < 0.1                                   |         |                     |             |  |  |  |  |  |  |
|                                |             |          |                          |                                                                | 18-20                                                     | < 0.1                                   |         |                     |             |  |  |  |  |  |  |
| 1520                           | 60/60       | Dry      | 15.0-18.0                | Medium SAND, medium brown, trace fine gravel.                  |                                                           |                                         |         |                     |             |  |  |  |  |  |  |
|                                |             |          |                          |                                                                |                                                           |                                         |         |                     |             |  |  |  |  |  |  |
|                                |             |          |                          |                                                                |                                                           |                                         |         |                     |             |  |  |  |  |  |  |
|                                |             |          |                          | Medium to coarse SAND, tan to orange brown, trace fine gravel. |                                                           |                                         |         |                     |             |  |  |  |  |  |  |
|                                |             |          |                          |                                                                |                                                           |                                         |         |                     |             |  |  |  |  |  |  |
|                                |             |          |                          |                                                                |                                                           |                                         |         |                     |             |  |  |  |  |  |  |
| NOTES                          |             |          |                          |                                                                | USCS SOIL CLASSIFICATION                                  |                                         |         |                     |             |  |  |  |  |  |  |
| ft = feet                      |             |          |                          |                                                                | CH (Fat Clay) OH (Organic Clay / Silt of High Plasticity) |                                         |         |                     |             |  |  |  |  |  |  |
| SAA = Same as above            |             |          |                          |                                                                | CL (Lean Clay) OL (Organic Clay / Silt of Low Plasticity) |                                         |         |                     |             |  |  |  |  |  |  |
| NA = Not applicable            |             |          |                          |                                                                | GC (Clayey Gravel) PT (Highly Organic Soil / Peat)        |                                         |         |                     |             |  |  |  |  |  |  |
| PID = Photoionization Detector |             |          |                          |                                                                | GM ( Silty Gravel) SC (Clayey Sand)                       |                                         |         |                     |             |  |  |  |  |  |  |
| ppm = parts per million        |             |          |                          |                                                                | GP (Poorly Graded Gravel) SM (Silty Sand)                 |                                         |         |                     |             |  |  |  |  |  |  |
|                                |             |          |                          |                                                                | GW (Well-Graded Gravel) SP (Poorly Graded Sand)           |                                         |         |                     |             |  |  |  |  |  |  |
|                                |             |          |                          |                                                                | MH (Elastic Silt) SW (Well-Graded Sand)                   |                                         |         |                     |             |  |  |  |  |  |  |
|                                |             |          |                          |                                                                | ML (Silt)                                                 |                                         |         |                     |             |  |  |  |  |  |  |

|                                |             |          |                          |                                                                                   |                                                           |                                               |         |                     |             |                 |  |
|--------------------------------|-------------|----------|--------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------|---------|---------------------|-------------|-----------------|--|
| Project: Truro DPW Phase II    |             |          |                          | HRP ASSOCIATES, INC.                                                              |                                                           | Test Boring ID/Monitoring Well ID: SB-8       |         |                     |             |                 |  |
| Location: 17 Town Hall Road    |             |          |                          | DRILLING/SOIL LOG                                                                 |                                                           |                                               |         |                     |             |                 |  |
| HRP Job No.: TRU2501.P2        |             |          |                          | Rig Type: Geoprobe 7822 DT                                                        |                                                           | Sheet No. 1 of 1                              |         |                     |             |                 |  |
| Date: 7/19/2024                |             |          |                          |                                                                                   |                                                           | Driller: New England Geotech                  |         |                     |             |                 |  |
| HRP Rep. SL & AB               |             |          |                          | PROPORTIONS                                                                       |                                                           |                                               |         |                     |             |                 |  |
| Total Boring Depth: 20 ft      |             |          |                          | trace: 0 to 10%                                                                   |                                                           |                                               |         |                     |             | some: 20 to 35% |  |
| Depth to Bedrock: Unknown      |             |          |                          | little: 10 to 20%                                                                 |                                                           |                                               |         |                     |             | and: 35 to 50%  |  |
| Sampler Depth<br>interval (ft) | Recov. (ft) | Moisture | Contact<br>Interval (ft) | Soil Description (proportions, grain size, etc.)                                  |                                                           | PID (ppm)                                     |         | Soil Sample Details |             |                 |  |
|                                |             |          |                          |                                                                                   |                                                           | Depth (ft)                                    | Reading | Interval (ft)       | Sample Time |                 |  |
| 05                             | 48/60       | Dry      | 0.0-0.5                  | Crushed GRAVEL, gray.                                                             |                                                           | 0-2                                           | < 0.1   | 8-10                | 1205        |                 |  |
|                                |             |          | 0.5-5.0                  |                                                                                   |                                                           | Medium SAND, brown to tan, trace fine gravel. |         |                     |             |                 |  |
| 510                            | 48/60       | Dry      | 5.0-6.0                  | Medium to fine SAND, brown to tan, pulverized rock at 6.0.                        |                                                           | 4-6                                           | < 0.1   |                     |             |                 |  |
|                                |             |          | 6.0-7.0                  | Medium SAND, dark brown.                                                          |                                                           | 6-8                                           | < 0.1   |                     |             |                 |  |
|                                |             |          | 7.0-10.0                 | Medium SAND, trace fine sand, dark brown.                                         |                                                           | 8-10                                          | < 0.1   |                     |             |                 |  |
| 1015                           | 30/60       | Dry      | 10.0-15.0                | Medium SAND, trace coarse sand, brown to dark brown, trace fine to medium gravel. |                                                           | 10-12                                         | < 0.1   |                     |             |                 |  |
| 1520                           | 54/60       | Dry      | 15.0-16.0                | Medium SAND, trace fine gravel, gray to dark brown.                               |                                                           | 12-14                                         | < 0.1   |                     |             |                 |  |
|                                |             |          | 16.0-20.0                | Medium to coarse SAND, trace fine gravel, tan to orange brown.                    |                                                           | 16-18                                         | < 0.1   |                     |             |                 |  |
|                                |             |          |                          |                                                                                   |                                                           | 18-20                                         | < 0.1   |                     |             |                 |  |
|                                |             |          |                          |                                                                                   |                                                           |                                               |         |                     |             |                 |  |
| NOTES                          |             |          |                          |                                                                                   | USCS SOIL CLASSIFICATION                                  |                                               |         |                     |             |                 |  |
| ft = feet                      |             |          |                          |                                                                                   | CH (Fat Clay) OH (Organic Clay / Silt of High Plasticity) |                                               |         |                     |             |                 |  |
| SAA = Same as above            |             |          |                          |                                                                                   | CL (Lean Clay) OL (Organic Clay / Silt of Low Plasticity) |                                               |         |                     |             |                 |  |
| NA = Not applicable            |             |          |                          |                                                                                   | GC (Clayey Gravel) PT (Highly Organic Soil / Peat)        |                                               |         |                     |             |                 |  |
| PID = Photoionization Detector |             |          |                          |                                                                                   | GM ( Silty Gravel) SC (Clayey Sand)                       |                                               |         |                     |             |                 |  |
| ppm = parts per million        |             |          |                          |                                                                                   | GP (Poorly Graded Gravel) SM (Silty Sand)                 |                                               |         |                     |             |                 |  |
|                                |             |          |                          |                                                                                   | GW (Well-Graded Gravel) SP (Poorly Graded Sand)           |                                               |         |                     |             |                 |  |
|                                |             |          |                          |                                                                                   | MH (Elastic Silt) SW (Well-Graded Sand)                   |                                               |         |                     |             |                 |  |
|                                |             |          |                          |                                                                                   | ML (Silt)                                                 |                                               |         |                     |             |                 |  |

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| Project: Truro DPW Phase II    |             |          |                          | HRP ASSOCIATES, INC.                                                   |                                                           | Test Boring ID/Monitoring Well ID: SB-10 |         |                     |             |
|--------------------------------|-------------|----------|--------------------------|------------------------------------------------------------------------|-----------------------------------------------------------|------------------------------------------|---------|---------------------|-------------|
| Location: 17 Town Hall Road    |             |          |                          | DRILLING/SOIL LOG                                                      |                                                           |                                          |         |                     |             |
| HRP Job No.: TRU2501.P2        |             |          |                          | Rig Type: Geoprobe 7822 DT                                             |                                                           | Sheet No. 1 of 1                         |         |                     |             |
| Date: 7/19/2024                |             |          |                          |                                                                        |                                                           | Driller: New England Geotech             |         |                     |             |
| HRP Rep. SL & AB               |             |          |                          | PROPORTIONS                                                            |                                                           |                                          |         |                     |             |
| Total Boring Depth: 20 ft      |             |          |                          | trace: 0 to 10%                                                        | some: 20 to 35%                                           |                                          |         |                     |             |
| Depth to Bedrock: Unknown      |             |          |                          | little: 10 to 20%                                                      | and: 35 to 50%                                            |                                          |         |                     |             |
| Sampler Depth<br>interval (ft) | Recov. (ft) | Moisture | Contact<br>Interval (ft) | Soil Description (proportions, grain size, etc.)                       |                                                           | PID (ppm)                                |         | Soil Sample Details |             |
|                                |             |          |                          |                                                                        |                                                           | Depth (ft)                               | Reading | Interval (ft)       | Sample Time |
| 05                             | 48/60       | Dry      | 0.0-1.0                  | Pulverized GRAVEL, gray.                                               |                                                           | 0-2                                      | < 0.1   | 4-6                 | 1215        |
|                                |             |          | 1.0-2.0                  | Fine SAND, trace medium sand, tan.                                     |                                                           | 2-4                                      | < 0.1   |                     |             |
|                                |             |          | 2.0-5.0                  | Fine to medium SAND, black sand at 4.5.                                |                                                           | 4-6                                      | < 0.1   |                     |             |
|                                |             |          | 5.0-6.0                  | Fine to medium SAND, gray, trace pulverized rock, trace medium gravel. |                                                           | 6-8                                      | < 0.1   |                     |             |
| 510                            | 60/60       | Dry      | 6.0-10.0                 | Medium SAND, trace fine sand, brown to medium brown.                   |                                                           | 8-10                                     | < 0.1   |                     |             |
|                                |             |          |                          |                                                                        |                                                           | 10-12                                    | < 0.1   |                     |             |
|                                |             |          |                          |                                                                        |                                                           |                                          |         |                     |             |
| 1015                           | 60/60       | Dry      | 10.0-14.5                | Medium SAND, trace fine sand, brown to gray, trace fine gravel.        |                                                           | 12-14                                    | < 0.1   |                     |             |
|                                |             |          | 14.5-15.0                | Medium SAND, brown to tan, black organics at 14.5.                     |                                                           | 14-16                                    | < 0.1   |                     |             |
|                                |             |          | 15.0-17.0                | Medium SAND, medium brown, trace fine gravel.                          |                                                           | 16-18                                    | < 0.1   |                     |             |
| 1520                           | 60/60       | Dry      | 17.0-20.0                | Medium to coarse SAND, tan to orange brown, trace fine gravel.         |                                                           | 18-20                                    | < 0.1   |                     |             |
|                                |             |          |                          |                                                                        |                                                           |                                          |         |                     |             |
| NOTES                          |             |          |                          |                                                                        | USCS SOIL CLASSIFICATION                                  |                                          |         |                     |             |
| ft = feet                      |             |          |                          |                                                                        | CH (Fat Clay) OH (Organic Clay / Silt of High Plasticity) |                                          |         |                     |             |
| SAA = Same as above            |             |          |                          |                                                                        | CL (Lean Clay) OL (Organic Clay / Silt of Low Plasticity) |                                          |         |                     |             |
| NA = Not applicable            |             |          |                          |                                                                        | GC (Clayey Gravel) PT (Highly Organic Soil / Peat)        |                                          |         |                     |             |
| PID = Photoionization Detector |             |          |                          |                                                                        | GM ( Silty Gravel) SC (Clayey Sand)                       |                                          |         |                     |             |
| ppm = parts per million        |             |          |                          |                                                                        | GP (Poorly Graded Gravel) SM (Silty Sand)                 |                                          |         |                     |             |
|                                |             |          |                          |                                                                        | GW (Well-Graded Gravel) SP (Poorly Graded Sand)           |                                          |         |                     |             |
|                                |             |          |                          |                                                                        | MH (Elastic Silt) SW (Well-Graded Sand)                   |                                          |         |                     |             |
|                                |             |          |                          |                                                                        | ML (Silt)                                                 |                                          |         |                     |             |



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|                                |             |          |                          |                                                                                                  |  |                                          |         |                     |                |                 |  |
|--------------------------------|-------------|----------|--------------------------|--------------------------------------------------------------------------------------------------|--|------------------------------------------|---------|---------------------|----------------|-----------------|--|
| Project: Truro DPW Phase II    |             |          |                          | HRP ASSOCIATES, INC.                                                                             |  | Test Boring ID/Monitoring Well ID: SB-14 |         |                     |                |                 |  |
| Location: 17 Town Hall Road    |             |          |                          | DRILLING/SOIL LOG                                                                                |  |                                          |         |                     |                |                 |  |
| HRP Job No.: TRU2501.P2        |             |          |                          | Rig Type: Geoprobe 7822 DT                                                                       |  | Sheet No. 1 of 1                         |         |                     |                |                 |  |
| Date: 7/19/2024                |             |          |                          |                                                                                                  |  | Driller: New England Geotech             |         |                     |                |                 |  |
| HRP Rep. SL & AB               |             |          |                          | PROPORTIONS                                                                                      |  |                                          |         |                     |                |                 |  |
| Total Boring Depth: 20 ft      |             |          |                          | trace: 0 to 10%                                                                                  |  |                                          |         |                     |                | some: 20 to 35% |  |
| Depth to Bedrock: Unknown      |             |          |                          | little: 10 to 20%                                                                                |  |                                          |         |                     |                | and: 35 to 50%  |  |
| Sampler Depth<br>interval (ft) | Recov. (ft) | Moisture | Contact<br>Interval (ft) | Soil Description (proportions, grain size, etc.)                                                 |  | PID (ppm)                                |         | Soil Sample Details |                |                 |  |
|                                |             |          |                          |                                                                                                  |  | Depth (ft)                               | Reading | Interval<br>(ft)    | Sample<br>Time |                 |  |
| 05                             | 48/60       | Dry      | 0.0-0.5                  | Black, ASPHALT                                                                                   |  | 0-2                                      | < 0.1   | 4-6                 | 0950           |                 |  |
|                                |             |          | 0.5-1.0                  | Medium SAND, brown.                                                                              |  | 2-4                                      | < 0.1   |                     |                |                 |  |
|                                |             |          | 1.0-1.5                  | Pulverized ROCK, some medium sand, dark brown.                                                   |  | 4-6                                      | < 0.1   |                     |                |                 |  |
|                                |             |          | 1.5-5.0                  | Medium SAND, dark brown to light tan, trace fine gravel.                                         |  | 6-8                                      | < 0.1   |                     |                |                 |  |
|                                |             |          | 5.0-7.0                  | Medium SAND, brown.                                                                              |  | 8-10                                     | < 0.1   |                     |                |                 |  |
| 510                            | 54/60       | Dry      | 7.0-7.5                  | Medium SAND, brown to black, possible organic matter.                                            |  | 10-12                                    | < 0.1   |                     |                |                 |  |
|                                |             |          | 7.5-10.0                 | Medium SAND, brown to orange, trace fine gravel.                                                 |  | 12-14                                    | < 0.1   |                     |                |                 |  |
| 1015                           | 54/60       | Dry      | 10.0-15.0                | Medium to fine SAND, trace coarse sand, trace coarse gravel, medium light brown to orange brown. |  | 14-16                                    | < 0.1   |                     |                |                 |  |
|                                |             |          | 15.0-20.0                | Medium SAND, trace coarse sand, medium brown to light brown.                                     |  | 16-18                                    | < 0.1   |                     |                |                 |  |
|                                |             |          |                          |                                                                                                  |  |                                          |         |                     |                |                 |  |

| NOTES                          |  | USCS SOIL CLASSIFICATION  |                                             |
|--------------------------------|--|---------------------------|---------------------------------------------|
| ft = feet                      |  | CH (Fat Clay)             | OH (Organic Clay / Silt of High Plasticity) |
| SAA = Same as above            |  | CL (Lean Clay)            | OL (Organic Clay / Silt of Low Plasticity)  |
| NA = Not applicable            |  | GC (Clayey Gravel)        | PT (Highly Organic Soil / Peat)             |
| PID = Photoionization Detector |  | GM ( Silty Gravel)        | SC (Clayey Sand)                            |
| ppm = parts per million        |  | GP (Poorly Graded Gravel) | SM (Silty Sand)                             |
|                                |  | GW (Well-Graded Gravel)   | SP (Poorly Graded Sand)                     |
|                                |  | MH (Elastic Silt)         | SW (Well-Graded Sand)                       |
|                                |  | ML (Silt)                 |                                             |

| Project: Truro DPW Phase II    |             |          |                          | HRP ASSOCIATES, INC.                                      |                           | Test Boring ID/Monitoring Well ID: SB-15    |                     |             |  |                 |  |
|--------------------------------|-------------|----------|--------------------------|-----------------------------------------------------------|---------------------------|---------------------------------------------|---------------------|-------------|--|-----------------|--|
| Location: 17 Town Hall Road    |             |          |                          | DRILLING/SOIL LOG                                         |                           |                                             |                     |             |  |                 |  |
| HRP Job No.: TRU2501.P2        |             |          |                          | Rig Type: Geoprobe 7822 DT                                |                           | Sheet No. 1 of 1                            |                     |             |  |                 |  |
| Date: 7/19/2024                |             |          |                          |                                                           |                           | Driller: New England Geotech                |                     |             |  |                 |  |
| HRP Rep. SL & AB               |             |          |                          | PROPORTIONS                                               |                           |                                             |                     |             |  |                 |  |
| Total Boring Depth: 20 ft      |             |          |                          | trace: 0 to 10%                                           |                           |                                             |                     |             |  | some: 20 to 35% |  |
| Depth to Bedrock: Unknown      |             |          |                          | little: 10 to 20%                                         |                           |                                             |                     |             |  | and: 35 to 50%  |  |
| Sampler Depth<br>interval (ft) | Recov. (ft) | Moisture | Contact<br>Interval (ft) | Soil Description (proportions, grain size, etc.)          | PID (ppm)                 |                                             | Soil Sample Details |             |  |                 |  |
|                                |             |          |                          |                                                           | Depth (ft)                | Reading                                     | Interval (ft)       | Sample Time |  |                 |  |
| 05                             | 42/60       | Dry      | 0.0-0.5                  | Crushed CONCRETER, gray.                                  | 0-2                       | < 0.1                                       |                     |             |  |                 |  |
|                                |             |          | 0.5-2.0                  | Medium SAND, brown, some fine gravel.                     | 2-4                       | < 0.1                                       |                     |             |  |                 |  |
|                                |             |          | 2.0-5.0                  | Medium to fine SAND, brown to light tan.                  | 4-6                       | < 0.1                                       |                     |             |  |                 |  |
|                                |             |          | 5.0-8.0                  | Medium SAND, trace coarse sand, brown to light tan.       | 6-8                       | < 0.1                                       |                     |             |  |                 |  |
| 510                            | 54/60       | Dry      | 5.0-8.0                  | Medium SAND, trace coarse sand, brown to light tan.       | 8-10                      | < 0.1                                       |                     |             |  |                 |  |
|                                |             |          | 8.0-8.5                  | Medium SAND, orange to brown.                             | 10-12                     | < 0.1                                       |                     |             |  |                 |  |
|                                |             |          | 8.5-9.5                  | Medium SAND, light brown to tan.                          | 12-14                     | < 0.1                                       |                     |             |  |                 |  |
| 1015                           | 54/60       | Dry      | 9.5-10.0                 | Medium SAND, some fine sand, light brown to tan.          | 14-16                     | < 0.1                                       |                     |             |  |                 |  |
|                                |             |          | 10.0-15.0                | Medium SAND, trace coarse sand, brown to light brown.     | 16-18                     | < 0.1                                       |                     |             |  |                 |  |
| 1520                           | 54/60       | Dry      | 15.0-18.0                | Medium SAND, trace coarse sand, trace fine gravel, brown. | 18-20                     | < 0.1                                       |                     |             |  |                 |  |
|                                |             |          | 18.0-20.0                | Medium and fine SAND, light tan to brown.                 |                           |                                             |                     |             |  |                 |  |
|                                |             |          |                          |                                                           |                           |                                             |                     |             |  |                 |  |
| NOTES                          |             |          |                          |                                                           | USCS SOIL CLASSIFICATION  |                                             |                     |             |  |                 |  |
| ft = feet                      |             |          |                          |                                                           | CH (Fat Clay)             | OH (Organic Clay / Silt of High Plasticity) |                     |             |  |                 |  |
| SAA = Same as above            |             |          |                          |                                                           | CL (Lean Clay)            | OL (Organic Clay / Silt of Low Plasticity)  |                     |             |  |                 |  |
| NA = Not applicable            |             |          |                          |                                                           | GC (Clayey Gravel)        | PT (Highly Organic Soil / Peat)             |                     |             |  |                 |  |
| PID = Photoionization Detector |             |          |                          |                                                           | GM ( Silty Gravel)        | SC (Clayey Sand)                            |                     |             |  |                 |  |
| ppm = parts per million        |             |          |                          |                                                           | GP (Poorly Graded Gravel) | SM (Silty Sand)                             |                     |             |  |                 |  |
|                                |             |          |                          |                                                           | GW (Well-Graded Gravel)   | SP (Poorly Graded Sand)                     |                     |             |  |                 |  |
|                                |             |          |                          |                                                           | MH (Elastic Silt)         | SW (Well-Graded Sand)                       |                     |             |  |                 |  |
|                                |             |          |                          |                                                           | ML (Silt)                 |                                             |                     |             |  |                 |  |

| Project: Truro DPW Phase II    |             |          |                          | HRP ASSOCIATES, INC.                                      |            | Test Boring ID/Monitoring Well ID: SB-16 |                     |             |  |                 |  |
|--------------------------------|-------------|----------|--------------------------|-----------------------------------------------------------|------------|------------------------------------------|---------------------|-------------|--|-----------------|--|
| Location: 17 Town Hall Road    |             |          |                          | DRILLING/SOIL LOG                                         |            |                                          |                     |             |  |                 |  |
| HRP Job No.: TRU2501.P2        |             |          |                          | Rig Type: Geoprobe 7822 DT                                |            | Sheet No. 1 of 1                         |                     |             |  |                 |  |
| Date: 8/5/2024                 |             |          |                          |                                                           |            | Driller: New England Geotech             |                     |             |  |                 |  |
| HRP Rep. AB                    |             |          |                          | PROPORTIONS                                               |            |                                          |                     |             |  |                 |  |
| Total Boring Depth: 15 ft      |             |          |                          | trace: 0 to 10%                                           |            |                                          |                     |             |  | some: 20 to 35% |  |
| Depth to Bedrock: Unknown      |             |          |                          | little: 10 to 20%                                         |            |                                          |                     |             |  | and: 35 to 50%  |  |
| Sampler Depth<br>interval (ft) | Recov. (ft) | Moisture | Contact<br>Interval (ft) | Soil Description (proportions, grain size, etc.)          | PID (ppm)  |                                          | Soil Sample Details |             |  |                 |  |
|                                |             |          |                          |                                                           | Depth (ft) | Reading                                  | Interval (ft)       | Sample Time |  |                 |  |
| 05                             | 54/60       | Dry      | 0.0-2.0                  | CONCRETE, fill, medium sand.                              | 0.0-2.0    | < 0.1                                    |                     |             |  |                 |  |
|                                |             |          | 2.0-4.0                  |                                                           | 2.0-4.0    | < 0.1                                    |                     |             |  |                 |  |
|                                |             |          | 4.0-5.0                  |                                                           | 4.0-6.0    | < 0.1                                    |                     |             |  |                 |  |
|                                |             |          | 5.0-6.0                  |                                                           |            |                                          |                     |             |  |                 |  |
| 510                            | 60/60       | Dry      | 6.0-8.0                  | Medium to coarse SAND, trace gravel.                      | 6.0-8.0    | < 0.1                                    |                     |             |  |                 |  |
|                                |             |          | 8.0-10.0                 |                                                           | 8.0-10.0   | < 0.1                                    |                     |             |  |                 |  |
| 1015                           | 24/60       | Dry      | 10.0-12.0                | Coarse to medium SAND.                                    | 10.0-12.0  | < 0.1                                    |                     |             |  |                 |  |
|                                |             |          |                          |                                                           |            |                                          |                     |             |  |                 |  |
| NOTES                          |             |          |                          | USCS SOIL CLASSIFICATION                                  |            |                                          |                     |             |  |                 |  |
| ft = feet                      |             |          |                          | CH (Fat Clay) OH (Organic Clay / Silt of High Plasticity) |            |                                          |                     |             |  |                 |  |
| SAA = Same as above            |             |          |                          | CL (Lean Clay) OL (Organic Clay / Silt of Low Plasticity) |            |                                          |                     |             |  |                 |  |
| NA = Not applicable            |             |          |                          | GC (Clayey Gravel) PT (Highly Organic Soil / Peat)        |            |                                          |                     |             |  |                 |  |
| PID = Photoionization Detector |             |          |                          | GM ( Silty Gravel) SC (Clayey Sand)                       |            |                                          |                     |             |  |                 |  |
| ppm = parts per million        |             |          |                          | GP (Poorly Graded Gravel) SM (Silty Sand)                 |            |                                          |                     |             |  |                 |  |
|                                |             |          |                          | GW (Well-Graded Gravel) SP (Poorly Graded Sand)           |            |                                          |                     |             |  |                 |  |
|                                |             |          |                          | MH (Elastic Silt) SW (Well-Graded Sand)                   |            |                                          |                     |             |  |                 |  |
|                                |             |          |                          | ML (Silt)                                                 |            |                                          |                     |             |  |                 |  |

|                                |             |          |                          |                                                  |                                                           |                                          |         |                     |             |                 |  |
|--------------------------------|-------------|----------|--------------------------|--------------------------------------------------|-----------------------------------------------------------|------------------------------------------|---------|---------------------|-------------|-----------------|--|
| Project: Truro DPW Phase II    |             |          |                          | HRP ASSOCIATES, INC.                             |                                                           | Test Boring ID/Monitoring Well ID: SB-17 |         |                     |             |                 |  |
| Location: 17 Town Hall Road    |             |          |                          | DRILLING/SOIL LOG                                |                                                           |                                          |         |                     |             |                 |  |
| HRP Job No.: TRU2501.P2        |             |          |                          | Rig Type: Geoprobe 7822 DT                       |                                                           | Sheet No. 1 of 1                         |         |                     |             |                 |  |
| Date: 8/5/2024                 |             |          |                          |                                                  |                                                           | Driller: New England Geotech             |         |                     |             |                 |  |
| HRP Rep. AB                    |             |          |                          | PROPORTIONS                                      |                                                           |                                          |         |                     |             |                 |  |
| Total Boring Depth: 15 ft      |             |          |                          | trace: 0 to 10%                                  |                                                           |                                          |         |                     |             | some: 20 to 35% |  |
| Depth to Bedrock: Unknown      |             |          |                          | little: 10 to 20%                                |                                                           |                                          |         |                     |             | and: 35 to 50%  |  |
| Sampler Depth<br>interval (ft) | Recov. (ft) | Moisture | Contact<br>Interval (ft) | Soil Description (proportions, grain size, etc.) |                                                           | PID (ppm)                                |         | Soil Sample Details |             |                 |  |
|                                |             |          |                          |                                                  |                                                           | Depth (ft)                               | Reading | Interval (ft)       | Sample Time |                 |  |
| 0 5                            | NA          | Dry      | 0.0-2.0                  | No recovery.                                     |                                                           | 0.0-2.0                                  | < 0.1   |                     |             |                 |  |
| 2.0-4.0                        |             |          | 2.0-4.0                  |                                                  |                                                           | < 0.1                                    |         |                     |             |                 |  |
| 4.0-5.0                        |             |          | 4.0-6.0                  |                                                  |                                                           | < 0.1                                    |         |                     |             |                 |  |
| 5.0-6.0                        |             |          | 6.0-8.0                  |                                                  |                                                           | < 0.1                                    |         |                     |             |                 |  |
| 5 10                           | 24/60       | Dry      | 6.0-8.0                  | Medium to coarse sand.                           |                                                           | 6.0-8.0                                  | < 0.1   |                     |             |                 |  |
| 8.0-10.0                       |             |          | 8.0-10.0                 |                                                  |                                                           | < 0.1                                    |         |                     |             |                 |  |
| 10 15                          | 24/60       | Dry      | 10.0-12.0                |                                                  |                                                           | 10.0-12.0                                | < 0.1   |                     |             |                 |  |
|                                |             |          |                          |                                                  |                                                           |                                          |         |                     |             |                 |  |
| NOTES                          |             |          |                          |                                                  | USCS SOIL CLASSIFICATION                                  |                                          |         |                     |             |                 |  |
| ft = feet                      |             |          |                          |                                                  | CH (Fat Clay) OH (Organic Clay / Silt of High Plasticity) |                                          |         |                     |             |                 |  |
| SAA = Same as above            |             |          |                          |                                                  | CL (Lean Clay) OL (Organic Clay / Silt of Low Plasticity) |                                          |         |                     |             |                 |  |
| NA = Not applicable            |             |          |                          |                                                  | GC (Clayey Gravel) PT (Highly Organic Soil / Peat)        |                                          |         |                     |             |                 |  |
| PID = Photoionization Detector |             |          |                          |                                                  | GM ( Silty Gravel) SC (Clayey Sand)                       |                                          |         |                     |             |                 |  |
| ppm = parts per million        |             |          |                          |                                                  | GP (Poorly Graded Gravel) SM (Silty Sand)                 |                                          |         |                     |             |                 |  |
|                                |             |          |                          |                                                  | GW (Well-Graded Gravel) SP (Poorly Graded Sand)           |                                          |         |                     |             |                 |  |
|                                |             |          |                          |                                                  | MH (Elastic Silt) SW (Well-Graded Sand)                   |                                          |         |                     |             |                 |  |
|                                |             |          |                          |                                                  | ML (Silt)                                                 |                                          |         |                     |             |                 |  |

|                                |             |          |                          |                                                  |                                                           |                                          |                     |             |  |                 |  |
|--------------------------------|-------------|----------|--------------------------|--------------------------------------------------|-----------------------------------------------------------|------------------------------------------|---------------------|-------------|--|-----------------|--|
| Project: Truro DPW Phase II    |             |          |                          | HRP ASSOCIATES, INC.                             |                                                           | Test Boring ID/Monitoring Well ID: SB-18 |                     |             |  |                 |  |
| Location: 17 Town Hall Road    |             |          |                          | DRILLING/SOIL LOG                                |                                                           |                                          |                     |             |  |                 |  |
| HRP Job No.: TRU2501.P2        |             |          |                          | Rig Type: Geoprobe 7822 DT                       |                                                           | Sheet No. 1 of 1                         |                     |             |  |                 |  |
| Date: 8/5/2024                 |             |          |                          |                                                  |                                                           | Driller: New England Geotech             |                     |             |  |                 |  |
| HRP Rep. AB                    |             |          |                          | PROPORTIONS                                      |                                                           |                                          |                     |             |  |                 |  |
| Total Boring Depth: 15 ft      |             |          |                          | trace: 0 to 10%                                  |                                                           |                                          |                     |             |  | some: 20 to 35% |  |
| Depth to Bedrock: Unknown      |             |          |                          | little: 10 to 20%                                |                                                           |                                          |                     |             |  | and: 35 to 50%  |  |
| Sampler Depth<br>interval (ft) | Recov. (ft) | Moisture | Contact<br>Interval (ft) | Soil Description (proportions, grain size, etc.) | PID (ppm)                                                 |                                          | Soil Sample Details |             |  |                 |  |
|                                |             |          |                          |                                                  | Depth (ft)                                                | Reading                                  | Interval (ft)       | Sample Time |  |                 |  |
| 05                             | 24/24       | Dry      | 0.0-2.0                  | CONCRETE, medium sand, slight odor.              | 0.0-2.0                                                   | 16.0                                     | 4.0-6.0             | 1045        |  |                 |  |
|                                | 24/24       |          | 2.0-4.0                  | Medium SAND, trace gravel, odor.                 | 2.0-4.0                                                   | 29.3                                     |                     |             |  |                 |  |
|                                | 24/24       |          | 4.0-6.0                  |                                                  | 4.0-6.0                                                   | 51.3                                     |                     |             |  |                 |  |
| 510                            | 24/24       | Dry      | 6.0-8.0                  | Medium to coarse SAND, odor.                     | 6.0-8.0                                                   | 49.8                                     |                     |             |  |                 |  |
|                                | 24/24       |          | 8.0-10.0                 |                                                  | 8.0-10.0                                                  | 13.3                                     |                     |             |  |                 |  |
| 1015                           | 24/24       | Dry      | 10.0-12.0                |                                                  | 10.0-12.0                                                 | 16.4                                     |                     |             |  |                 |  |
|                                |             |          |                          |                                                  |                                                           |                                          |                     |             |  |                 |  |
| NOTES                          |             |          |                          |                                                  | USCS SOIL CLASSIFICATION                                  |                                          |                     |             |  |                 |  |
| ft = feet                      |             |          |                          |                                                  | CH (Fat Clay) OH (Organic Clay / Silt of High Plasticity) |                                          |                     |             |  |                 |  |
| SAA = Same as above            |             |          |                          |                                                  | CL (Lean Clay) OL (Organic Clay / Silt of Low Plasticity) |                                          |                     |             |  |                 |  |
| NA = Not applicable            |             |          |                          |                                                  | GC (Clayey Gravel) PT (Highly Organic Soil / Peat)        |                                          |                     |             |  |                 |  |
| PID = Photoionization Detector |             |          |                          |                                                  | GM ( Silty Gravel) SC (Clayey Sand)                       |                                          |                     |             |  |                 |  |
| ppm = parts per million        |             |          |                          |                                                  | GP (Poorly Graded Gravel) SM (Silty Sand)                 |                                          |                     |             |  |                 |  |
|                                |             |          |                          |                                                  | GW (Well-Graded Gravel) SP (Poorly Graded Sand)           |                                          |                     |             |  |                 |  |
|                                |             |          |                          |                                                  | MH (Elastic Silt) SW (Well-Graded Sand)                   |                                          |                     |             |  |                 |  |
|                                |             |          |                          |                                                  | ML (Silt)                                                 |                                          |                     |             |  |                 |  |

[illegible]

| Project: Truro DPW Phase II    |             |          |                          |            | HRP ASSOCIATES, INC.                             |                 | Test Boring ID/Monitoring Well ID: GT1      |                     |             |  |
|--------------------------------|-------------|----------|--------------------------|------------|--------------------------------------------------|-----------------|---------------------------------------------|---------------------|-------------|--|
| Location: 17 Town Hall Road    |             |          |                          |            | DRILLING/SOIL LOG                                |                 |                                             |                     |             |  |
| HRP Job No.: TRU2501.P2        |             |          |                          |            | Rig Type: Geoprobe 7822 DT                       |                 | Sheet No. 1 of 1                            |                     |             |  |
| Date: 8/5/2024                 |             |          |                          |            |                                                  |                 | Driller: New England Geotech                |                     |             |  |
| HRP Rep. AB                    |             |          |                          |            | PROPORTIONS                                      |                 |                                             |                     |             |  |
| Total Boring Depth: 20 ft      |             |          |                          |            | trace: 0 to 10%                                  | some: 20 to 35% |                                             |                     |             |  |
| Depth to Bedrock: Unknown      |             |          |                          |            | little: 10 to 20%                                | and: 35 to 50%  |                                             |                     |             |  |
| Sampler Depth<br>interval (ft) | Recov. (ft) | Moisture | Contact<br>Interval (ft) | Blow Count | Soil Description (proportions, grain size, etc.) | PID (ppm)       |                                             | Soil Sample Details |             |  |
|                                |             |          |                          |            |                                                  | Depth (ft)      | Reading                                     | Interval (ft)       | Sample Time |  |
| 0 5                            | 19/24       | Dry      | 0.0-2.0                  | 3,5,6,5    | ASPHALT, fill, medium to coarse sand.            | 0.0-2.0         | < 0.1                                       |                     |             |  |
|                                | 20/24       |          | 2.0-4.0                  | 3,4,4,2    | FILL, medium to coarse sand, trace gravel.       | 2.0-4.0         | < 0.1                                       |                     |             |  |
|                                | 13/24       |          | 4.0-6.0                  | 4,4,3,4    | Medium to coarse SAND, trace gravel.             | 4.0-6.0         | < 0.1                                       |                     |             |  |
| 5 10                           | 15/24       | Dry      | 6.0-8.0                  | 3,3,4,4    | Medium to coarse SAND.                           | 6.0-8.0         | < 0.1                                       |                     |             |  |
|                                | 17/24       |          | 8.0-10.0                 | 5,3,3,3    | Medium to coarse SAND, trace gravel.             | 8.0-10.0        | < 0.1                                       |                     |             |  |
|                                | 16/24       |          | 10.0-12.0                | 2,1,2,5    | Coarse to medium SAND.                           | 10.0-12.0       | < 0.1                                       |                     |             |  |
| 10 15                          | 20/24       | Dry      | 12.0-14.0                | 1,2,2,2    |                                                  | 12.0-14.0       | < 0.1                                       |                     |             |  |
|                                | 18/24       |          | 14.0-16.0                | 1,2,3,4    |                                                  | 14.0-16.0       | < 0.1                                       |                     |             |  |
| 15 20                          | 19/24       | Dry      | 16.0-18.0                | 2,2,3,3    | Medium to coarse SAND, trace gravel.             | 16.0-18.0       | < 0.1                                       |                     |             |  |
|                                | 16/24       |          | 18.0-20.0                | 2,2,3,4    | Medium to coarse SAND.                           | 18.0-20.0       | < 0.1                                       |                     |             |  |
|                                |             |          |                          |            |                                                  |                 |                                             |                     |             |  |
| NOTES                          |             |          |                          |            | USCS SOIL CLASSIFICATION                         |                 |                                             |                     |             |  |
| ft = feet                      |             |          |                          |            | CH (Fat Clay)                                    |                 | OH (Organic Clay / Silt of High Plasticity) |                     |             |  |
| SAA = Same as above            |             |          |                          |            | CL (Lean Clay)                                   |                 | OL (Organic Clay / Silt of Low Plasticity)  |                     |             |  |
| NA = Not applicable            |             |          |                          |            | GC (Clayey Gravel)                               |                 | PT (Highly Organic Soil / Peat)             |                     |             |  |
| PID = Photoionization Detector |             |          |                          |            | GM ( Silty Gravel)                               |                 | SC (Clayey Sand)                            |                     |             |  |
| ppm = parts per million        |             |          |                          |            | GP (Poorly Graded Gravel)                        |                 | SM (Silty Sand)                             |                     |             |  |
|                                |             |          |                          |            | GW (Well-Graded Gravel)                          |                 | SP (Poorly Graded Sand)                     |                     |             |  |
|                                |             |          |                          |            | MH (Elastic Silt)                                |                 | SW (Well-Graded Sand)                       |                     |             |  |
|                                |             |          |                          |            | ML (Silt)                                        |                 |                                             |                     |             |  |

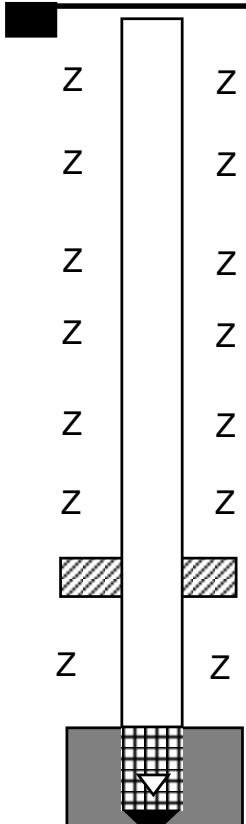


| Project: Truro DPW Phase II    |             |          |                          |            | HRP ASSOCIATES, INC.                             |                 | Test Boring ID/Monitoring Well ID: GT2 |                     |             |  |  |  |  |  |  |  |  |  |  |
|--------------------------------|-------------|----------|--------------------------|------------|--------------------------------------------------|-----------------|----------------------------------------|---------------------|-------------|--|--|--|--|--|--|--|--|--|--|
| Location: 17 Town Hall Road    |             |          |                          |            | DRILLING/SOIL LOG                                |                 |                                        |                     |             |  |  |  |  |  |  |  |  |  |  |
| HRP Job No.: TRU2501.P2        |             |          |                          |            | Rig Type: Geoprobe 7822 DT                       |                 | Sheet No. 1 of 1                       |                     |             |  |  |  |  |  |  |  |  |  |  |
| Date: 8/5/2024                 |             |          |                          |            |                                                  |                 | Driller: New England Geotech           |                     |             |  |  |  |  |  |  |  |  |  |  |
| HRP Rep. AB                    |             |          |                          |            | PROPORTIONS                                      |                 |                                        |                     |             |  |  |  |  |  |  |  |  |  |  |
| Total Boring Depth: 20 ft      |             |          |                          |            | trace: 0 to 10%                                  | some: 20 to 35% |                                        |                     |             |  |  |  |  |  |  |  |  |  |  |
| Depth to Bedrock: Unknown      |             |          |                          |            | little: 10 to 20%                                | and: 35 to 50%  |                                        |                     |             |  |  |  |  |  |  |  |  |  |  |
| Sampler Depth<br>interval (ft) | Recov. (ft) | Moisture | Contact<br>Interval (ft) | Blow Count | Soil Description (proportions, grain size, etc.) | PID (ppm)       |                                        | Soil Sample Details |             |  |  |  |  |  |  |  |  |  |  |
|                                |             |          |                          |            |                                                  | Depth (ft)      | Reading                                | Interval (ft)       | Sample Time |  |  |  |  |  |  |  |  |  |  |
| 0 5                            | 18/24       | Dry      | 0.0-2.0                  | 5,5,5,5    | ASPHALT, fill, medium sand, some gravel.         | 0.0-2.0         | < 0.1                                  |                     |             |  |  |  |  |  |  |  |  |  |  |
|                                | 14/24       |          | 2.0-4.0                  | 4,7,8,4    | ASPHALT, trace gravel, medium coarse sand.       | 2.0-4.0         | < 0.1                                  |                     |             |  |  |  |  |  |  |  |  |  |  |
|                                | 20/24       |          | 4.0-6.0                  | 1,5,4,7    | FILL, coarse to medium SAND, gravel.             | 4.0-6.0         | < 0.1                                  |                     |             |  |  |  |  |  |  |  |  |  |  |
| 5 10                           | 16/24       | Dry      | 6.0-8.0                  | 2,4,5,6    | Medium to coarse SAND, fill.                     | 6.0-8.0         | < 0.1                                  |                     |             |  |  |  |  |  |  |  |  |  |  |
|                                | 16/24       |          | 8.0-10.0                 | 2,3,3,4    | Medium to coarse SAND, trace gravel.             | 8.0-10.0        | < 0.1                                  |                     |             |  |  |  |  |  |  |  |  |  |  |
|                                | 15/24       |          | 10.0-12.0                | 2,5,4,6    |                                                  | 10.0-12.0       | < 0.1                                  |                     |             |  |  |  |  |  |  |  |  |  |  |
| 10 15                          | 17/24       | Dry      | 12.0-14.0                | 3,5,4,6    | Medium to coarse SAND, trace gravel.             | 12.0-14.0       | < 0.1                                  |                     |             |  |  |  |  |  |  |  |  |  |  |
|                                | 18/24       |          | 14.0-16.0                | 4,8,8,10   |                                                  | 14.0-16.0       | < 0.1                                  |                     |             |  |  |  |  |  |  |  |  |  |  |
|                                | 17/24       |          | 16.0-18.0                | 2,4,7,7    | Medium to coarse SAND, trace gravel.             | 16.0-18.0       | < 0.1                                  |                     |             |  |  |  |  |  |  |  |  |  |  |
| 15 20                          | 19/24       | Dry      | 18.0-20.0                | 4,5,5,6    |                                                  | 18.0-20.0       | < 0.1                                  |                     |             |  |  |  |  |  |  |  |  |  |  |
|                                |             |          |                          |            |                                                  |                 |                                        |                     |             |  |  |  |  |  |  |  |  |  |  |
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|                                |             |          |                          |            |                                                  |                 |                                        |                     |             |  |  |  |  |  |  |  |  |  |  |
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|                                |             |          |                          |            |                                                  |                 |                                        |                     |             |  |  |  |  |  |  |  |  |  |  |
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| Project: Truro DPW Phase II    |             |          |                          |             | HRP ASSOCIATES, INC.                             |                 | Test Boring ID/Monitoring Well ID: GT4      |                     |             |  |
|--------------------------------|-------------|----------|--------------------------|-------------|--------------------------------------------------|-----------------|---------------------------------------------|---------------------|-------------|--|
| Location: 17 Town Hall Road    |             |          |                          |             | DRILLING/SOIL LOG                                |                 |                                             |                     |             |  |
| HRP Job No.: TRU2501.P2        |             |          |                          |             | Rig Type: Geoprobe 7822 DT                       |                 | Sheet No. 1 of 1                            |                     |             |  |
| Date: 8/5/2024                 |             |          |                          |             |                                                  |                 | Driller: New England Geotech                |                     |             |  |
| HRP Rep. AB                    |             |          |                          |             | PROPORTIONS                                      |                 |                                             |                     |             |  |
| Total Boring Depth: 20 ft      |             |          |                          |             | trace: 0 to 10%                                  | some: 20 to 35% |                                             |                     |             |  |
| Depth to Bedrock: Unknown      |             |          |                          |             | little: 10 to 20%                                | and: 35 to 50%  |                                             |                     |             |  |
| Sampler Depth<br>interval (ft) | Recov. (ft) | Moisture | Contact<br>Interval (ft) | Blow Count  | Soil Description (proportions, grain size, etc.) | PID (ppm)       |                                             | Soil Sample Details |             |  |
|                                |             |          |                          |             |                                                  | Depth (ft)      | Reading                                     | Interval (ft)       | Sample Time |  |
| 0 5                            | 18/24       | Dry      | 0.0-2.0                  | 22,20,19,14 | Packed SAND, fill, medium sand.                  | 0.0-2.0         | < 0.1                                       |                     |             |  |
|                                | 16/24       |          | 2.0-4.0                  | 5,6,5,5     | Medium to coarse SAND.                           | 2.0-4.0         | < 0.1                                       |                     |             |  |
|                                | 17/24       |          | 4.0-6.0                  | 2,1,2,1     | Medium to coarse SAND.                           | 4.0-6.0         | < 0.1                                       |                     |             |  |
| 5 10                           | 19/24       | Dry      | 6.0-8.0                  | 1,1,2,1     | Medium to coarse SAND, trace gravel.             | 6.0-8.0         | < 0.1                                       |                     |             |  |
|                                | 18/24       |          | 8.0-10.0                 | 1,2,1,3     | Medium to coarse SAND, trace gravel.             | 8.0-10.0        | < 0.1                                       |                     |             |  |
|                                | 21/24       |          | 10.0-12.0                | 1,3,1,2     | Coarse to medium SAND.                           | 10.0-12.0       | < 0.1                                       |                     |             |  |
| 10 15                          | 19/24       | Dry      | 12.0-14.0                | 3,3,3,4     | Medium to coarse SAND, trace gravel.             | 12.0-14.0       | < 0.1                                       |                     |             |  |
|                                | 19/24       |          | 14.0-16.0                | 2,3,4,5     | Medium to coarse SAND.                           | 14.0-16.0       | < 0.1                                       |                     |             |  |
|                                | 19/24       |          | 16.0-18.0                | 2,4,4,5     | Medium to coarse SAND, trace gravel.             | 16.0-18.0       | < 0.1                                       |                     |             |  |
| 15 20                          | 19/24       | Dry      | 18.0-20.0                | 2,4,4,5     |                                                  | 18.0-20.0       | < 0.1                                       |                     |             |  |
|                                |             |          |                          |             |                                                  |                 |                                             |                     |             |  |
| NOTES                          |             |          |                          |             | USCS SOIL CLASSIFICATION                         |                 |                                             |                     |             |  |
| ft = feet                      |             |          |                          |             | CH (Fat Clay)                                    |                 | OH (Organic Clay / Silt of High Plasticity) |                     |             |  |
| SAA = Same as above            |             |          |                          |             | CL (Lean Clay)                                   |                 | OL (Organic Clay / Silt of Low Plasticity)  |                     |             |  |
| NA = Not applicable            |             |          |                          |             | GC (Clayey Gravel)                               |                 | PT (Highly Organic Soil / Peat)             |                     |             |  |
| PID = Photoionization Detector |             |          |                          |             | GM ( Silty Gravel)                               |                 | SC (Clayey Sand)                            |                     |             |  |
| ppm = parts per million        |             |          |                          |             | GP (Poorly Graded Gravel)                        |                 | SM (Silty Sand)                             |                     |             |  |
|                                |             |          |                          |             | GW (Well-Graded Gravel)                          |                 | SP (Poorly Graded Sand)                     |                     |             |  |
|                                |             |          |                          |             | MH (Elastic Silt)                                |                 | SW (Well-Graded Sand)                       |                     |             |  |
|                                |             |          |                          |             | ML (Silt)                                        |                 |                                             |                     |             |  |

|                                                                                                                |        |                                                                                    |           |                                                                                                                  |                                                 |                     |
|----------------------------------------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|---------------------|
| Cape Cod Test Boring<br>5 Rayber Road, Orleans, MA 02653<br>(508) 240-1000<br>div. Desmond Well Drilling, Inc. |        | Project<br>HRP Associates, Inc.<br>Town of Truro - DPW<br>17 Town Hall Road, Truro |           | Boring No. MW-1                                                                                                  |                                                 |                     |
|                                                                                                                |        |                                                                                    |           | Sheet 1 of 1                                                                                                     |                                                 |                     |
| Driller: Thomas E Desmond III                                                                                  |        | Boring location: 41.99949°, -70.05615°                                             |           |                                                                                                                  |                                                 |                     |
| Helper: Zachary Enos                                                                                           |        | Ground Surface Elevation:                                                          |           |                                                                                                                  |                                                 |                     |
| Inspector: Andrew Bushman                                                                                      |        | Date start: 8/1/2024                                                               |           | Date end: 8/1/2024                                                                                               |                                                 |                     |
| Sampler consists of a two inch split spoon driven using an automatic hammer.                                   |        | Notes:                                                                             |           | Auger Size: 6 1/4" x 4" H.S.A<br>Casing Size: 2"x112.75' SCH40 PVC FJT<br>Screen Size: 2"x10'X.010 SCH40 PVC FJT |                                                 |                     |
| Depth                                                                                                          | Sample |                                                                                    |           |                                                                                                                  | Sample Description                              | Well Installation   |
| (FT)                                                                                                           | NO     | PEN/REC                                                                            | DEPTH/FT  | BLOWS 6"                                                                                                         |                                                 |                     |
| 0                                                                                                              | 1      | 24/20                                                                              | 0 - 2     | 3-2-1-2                                                                                                          | Fill; F-M brown sand; trace F gravel. Dry.      | <p>not to scale</p> |
| -2                                                                                                             | 2      | 24/17                                                                              | 2 - 4     | 2-2-2-2                                                                                                          | Fill; F-M-C brown sand. Dry.                    |                     |
| -4                                                                                                             | 3      | 24/18                                                                              | 4 - 6     | 2-2-3-5                                                                                                          | F-M-C brown sand; trace F gravel. Dry.          |                     |
| -6                                                                                                             | 4      | 24/17                                                                              | 6 - 8     | 2-3-3-3                                                                                                          | F-M-C brown sand. Dry.                          |                     |
| -8                                                                                                             | 5      | 24/19                                                                              | 8 - 10    | 2-2-3-2                                                                                                          | F-M brown sand. Dry.                            |                     |
| -10                                                                                                            | 6      | 24/21                                                                              | 10 - 12   | 3-2-3-3                                                                                                          | F-M-C brown sand. Dry.                          |                     |
| -12                                                                                                            | 7      | 24/17                                                                              | 12 - 14   | 3-2-4-4                                                                                                          | F-M-C brown sand. Dry.                          |                     |
| -14                                                                                                            | 8      | 24/19                                                                              | 14 - 16   | 3-3-4-5                                                                                                          | F-M-C brown sand. Dry.                          |                     |
| -16                                                                                                            | 9      | 24/18                                                                              | 16 - 18   | 4-5-5-5                                                                                                          | F-M-C brown sand; trace very C brown sand. Dry. |                     |
|                                                                                                                |        |                                                                                    |           |                                                                                                                  |                                                 |                     |
| -18                                                                                                            | 10     | 24/19                                                                              | 18 - 20   | 3-2-3-4                                                                                                          | F-M-C brown sand. Dry.                          |                     |
| -20                                                                                                            | 11     | Augers                                                                             | 20 - 110  |                                                                                                                  | F-M-C brown sand. Dry.                          |                     |
| -22                                                                                                            |        |                                                                                    |           |                                                                                                                  |                                                 |                     |
| 1                                                                                                              |        |                                                                                    |           |                                                                                                                  |                                                 |                     |
| -110                                                                                                           | 12     | Augers                                                                             | 110 - 123 |                                                                                                                  | F-M brown silty sand. Wet.                      |                     |
| 1                                                                                                              |        |                                                                                    |           |                                                                                                                  |                                                 |                     |
| -123                                                                                                           | 13     | Augers                                                                             | 123 - 125 |                                                                                                                  | F-M-C brown sand. Wet.                          |                     |
|                                                                                                                |        |                                                                                    |           |                                                                                                                  |                                                 |                     |
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| Cape Cod Test Boring<br>5 Rayber Road, Orleans, MA 02653<br>(508) 240-1000<br>div. Desmond Well Drilling, Inc. |          | Project<br>HRP Associates, Inc.<br>Town of Truro - DPW<br>17 Town Hall Road, Truro |                                                                                                                     | Boring No. MW-3                                                                                                  |                                                  |                                                                                                             |     |
|                                                                                                                |          |                                                                                    |                                                                                                                     | Sheet 1 of 1                                                                                                     |                                                  |                                                                                                             |     |
| Driller: Thomas E Desmond III<br>Helper: Jose Pena<br>Inspector: Andrew Bushman                                |          |                                                                                    | Boring location: 41.99932°, -70.05684°<br>Ground Surface Elevation:<br>Date start: 7/29/2024<br>Date end: 7/31/2024 |                                                                                                                  |                                                  |                                                                                                             |     |
| Sampler consists of a two inch split spoon driven using an automatic hammer.                                   |          | Notes:                                                                             |                                                                                                                     | Auger Size: 6 1/4" x 4" H.S.A<br>Casing Size: 2"x112.78' SCH40 PVC FJT<br>Screen Size: 2"x10'X.010 SCH40 PVC FJT |                                                  |                                                                                                             |     |
| Depth                                                                                                          | Sample   |                                                                                    |                                                                                                                     |                                                                                                                  | Sample Description                               | Well Installation                                                                                           |     |
| (FT)                                                                                                           | NO       | PEN/REC                                                                            | DEPTH/FT                                                                                                            | BLOWS 6"                                                                                                         |                                                  |                                                                                                             |     |
| 0                                                                                                              | 1        |                                                                                    | 0 - 20                                                                                                              |                                                                                                                  | Fill.                                            |                         |     |
| -5                                                                                                             |          |                                                                                    |                                                                                                                     |                                                                                                                  |                                                  |                                                                                                             |     |
| -10                                                                                                            |          |                                                                                    |                                                                                                                     |                                                                                                                  |                                                  |                                                                                                             |     |
| -15                                                                                                            |          |                                                                                    |                                                                                                                     |                                                                                                                  |                                                  |                                                                                                             |     |
| -20                                                                                                            |          |                                                                                    |                                                                                                                     |                                                                                                                  |                                                  |                                                                                                             |     |
| -25                                                                                                            | 2        | 24/17                                                                              | 23 - 25                                                                                                             |                                                                                                                  | F-M-C brown sand. Dry.                           |                                                                                                             | Z Z |
| -30                                                                                                            | 3        | 24/17                                                                              | 28 - 30                                                                                                             |                                                                                                                  | F-M-C brown sand. Dry.                           |                                                                                                             | Z Z |
| -35                                                                                                            | 4        | 24/17                                                                              | 33 - 35                                                                                                             |                                                                                                                  | F-M-C brown sand. Dry.                           |                                                                                                             | Z Z |
| -40                                                                                                            | 5        | 24/19                                                                              | 38 - 40                                                                                                             |                                                                                                                  | F-M-C brown sand. Dry.                           |                                                                                                             | Z Z |
| -45                                                                                                            |          |                                                                                    |                                                                                                                     |                                                                                                                  |                                                  |                                                                                                             | Z Z |
| -50                                                                                                            | 6        | 24/15                                                                              | 48 - 50                                                                                                             | DHH - 25                                                                                                         | F-M brown sand. Dry.                             |                                                                                                             | Z Z |
| -55                                                                                                            |          |                                                                                    |                                                                                                                     |                                                                                                                  |                                                  |                                                                                                             | Z Z |
| -60                                                                                                            | 7        | 24/14                                                                              | 58 - 60                                                                                                             | DHH - 25                                                                                                         | F-M-C brown sand. Dry.                           |                                                                                                             | Z Z |
| -65                                                                                                            |          |                                                                                    |                                                                                                                     |                                                                                                                  |                                                  |                                                                                                             | Z Z |
| -70                                                                                                            | 8        | 24/16                                                                              | 68 - 70                                                                                                             | DHH - 25                                                                                                         | F-M-C brown sand. Dry.                           |                                                                                                             | Z Z |
| -75                                                                                                            |          |                                                                                    |                                                                                                                     |                                                                                                                  |                                                  |                                                                                                             | Z Z |
| -80                                                                                                            | 9        | 24/11                                                                              | 78 - 80                                                                                                             | DHH - 25                                                                                                         | F-M-C brown sand.; trace very C brown sand. Dry. |                                                                                                             | Z Z |
| -85                                                                                                            |          |                                                                                    |                                                                                                                     |                                                                                                                  |                                                  |                                                                                                             | Z Z |
| -90                                                                                                            | 10       | 24/13                                                                              | 88 - 90                                                                                                             | DHH - 25                                                                                                         | F-M-C brown sand. Dry.                           |                                                                                                             | Z Z |
| -95                                                                                                            |          |                                                                                    |                                                                                                                     |                                                                                                                  |                                                  |                                                                                                             | Z Z |
| -100                                                                                                           | 11       | 24/15                                                                              | 98 - 100                                                                                                            | DHH - 35                                                                                                         | F-M-C brown sand. Dry.                           |                                                                                                             | Z Z |
| -105                                                                                                           |          |                                                                                    |                                                                                                                     |                                                                                                                  |                                                  |                                                                                                             | Z Z |
| -110                                                                                                           | 12       | 24/14                                                                              | 108 - 110                                                                                                           | DHH - 45                                                                                                         | F-M-C brown sand. Dry.                           |                                                                                                             | Z Z |
| -115                                                                                                           |          |                                                                                    |                                                                                                                     |                                                                                                                  |                                                  |                                                                                                             | Z Z |
| -120                                                                                                           | 13       | 24/22                                                                              | 118 - 120                                                                                                           | DHH - 35                                                                                                         | F-M-C brown sand. Wet.                           | Z Z                                                                                                         |     |
| -125                                                                                                           | 14       | Auger                                                                              | 123 - 125                                                                                                           |                                                                                                                  | F brown silty sand. Wet.                         | Z Z                                                                                                         |     |
| -130                                                                                                           |          |                                                                                    |                                                                                                                     |                                                                                                                  |                                                  |                                                                                                             |     |
| -135                                                                                                           |          |                                                                                    |                                                                                                                     |                                                                                                                  |                                                  |                                                                                                             |     |
| -140                                                                                                           |          |                                                                                    |                                                                                                                     |                                                                                                                  |                                                  |                                                                                                             |     |
| -145                                                                                                           |          |                                                                                    |                                                                                                                     |                                                                                                                  |                                                  |                                                                                                             |     |
| -150                                                                                                           |          |                                                                                    |                                                                                                                     |                                                                                                                  |                                                  |                                                                                                             |     |
| -155                                                                                                           |          |                                                                                    |                                                                                                                     |                                                                                                                  |                                                  |                                                                                                             |     |
| -160                                                                                                           |          |                                                                                    |                                                                                                                     |                                                                                                                  |                                                  |                                                                                                             |     |
| -165                                                                                                           |          |                                                                                    |                                                                                                                     |                                                                                                                  |                                                  |                                                                                                             |     |
| -170                                                                                                           |          |                                                                                    |                                                                                                                     |                                                                                                                  |                                                  |                                                                                                             |     |
| Granular Soils                                                                                                 |          | Cohesive Soils                                                                     |                                                                                                                     | Proportions Used                                                                                                 |                                                  | Well Installation Key                                                                                       |     |
| BLOWS/FT                                                                                                       | DENSITY  | BLOWS/FT                                                                           | DENSITY                                                                                                             |                                                                                                                  |                                                  |  - CONCRETE            |     |
| 0 - 4                                                                                                          | V. LOOSE | > 2                                                                                | V. SOFT                                                                                                             | Trace 0 - 10%                                                                                                    |                                                  |  - SAND PACK           |     |
| 4 - 10                                                                                                         | LOOSE    | 2 - 4                                                                              | SOFT                                                                                                                | Little 10 - 20%                                                                                                  |                                                  | Z - SOIL BACKFILL                                                                                           |     |
| 10 - 30                                                                                                        | M. DENSE | 4 - 8                                                                              | M. STIFF                                                                                                            | Some 20 - 35%                                                                                                    |                                                  |  - BENTONITE           |     |
| 30 - 50                                                                                                        | DENSE    | 8 - 15                                                                             | STIFF                                                                                                               | And 35 - 50%                                                                                                     |                                                  |  - SCREEN              |     |
| > 50                                                                                                           | V. DENSE | 15 - 30                                                                            | V. STIFF                                                                                                            |                                                                                                                  |                                                  |  - APPROX. WATER LEVEL |     |
|                                                                                                                |          | > 30                                                                               | HARD                                                                                                                |                                                                                                                  |                                                  |                                                                                                             |     |
| CAPE COD TEST BORING                                                                                           |          |                                                                                    |                                                                                                                     | BORING NO. MW-3                                                                                                  |                                                  |                                                                                                             |     |

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| Cape Cod Test Boring<br>5 Rayber Road, Orleans, MA 02653<br>(508) 240-1000<br>div. Desmond Well Drilling, Inc. |          | Project<br>HRP Associates, Inc.<br>Town of Truro - DPW<br>17 Town Hall Road, Truro |          | Boring No. GT-1                                                       |                                                                                                                                                                                                                                                                                                                                                                                                     |
| Driller: Thomas E Desmond III                                                                                  |          | Boring location:                                                                   |          |                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                     |
| Helper: Jose Pena                                                                                              |          | Ground Surface Elevation:                                                          |          |                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                     |
| Inspector: Andrew Bushman                                                                                      |          | Date start: 8/5/2024                                                               |          | Date end: 8/5/2024                                                    |                                                                                                                                                                                                                                                                                                                                                                                                     |
| Sampler consists of a two inch split spoon driven using an automatic hammer.                                   |          | Notes:                                                                             |          | Auger Size: 6 1/4" x 4" H.S.A<br>Casing Size: N/A<br>Screen Size: N/A |                                                                                                                                                                                                                                                                                                                                                                                                     |
| Depth                                                                                                          | Sample   |                                                                                    |          |                                                                       | Sample Description                                                                                                                                                                                                                                                                                                                                                                                  |
| (FT)                                                                                                           | NO       | PEN/REC                                                                            | DEPTH/FT | BLOWS 6"                                                              |                                                                                                                                                                                                                                                                                                                                                                                                     |
| 0                                                                                                              | 1        | 24/19                                                                              | 0 - 2    | 3-5-6-5                                                               | 4" asphalt. F-M-C brown sand; trace gravel. Dry.<br>F-M-C brown sand. Dry.<br>F-M-C brown sand. Dry.<br>F-M-C brown sand; some very C brown sand. Dry.<br>F-M-C brown sand. Dry.<br>F-M-C brown sand. Dry.<br>F-M-C brown sand. Dry.<br>F-M-C brown sand. Dry.<br>F-M-C brown sand. Dry.<br>F-M-C brown sand. Dry.<br><br>End of boring: 18'<br>End of sample: 20'<br>Groundwater encountered: none |
| -2                                                                                                             | 2        | 24/20                                                                              | 2 - 4    | 3-4-4-5                                                               |                                                                                                                                                                                                                                                                                                                                                                                                     |
| -4                                                                                                             | 3        | 24/13                                                                              | 4 - 6    | 4-4-3-4                                                               |                                                                                                                                                                                                                                                                                                                                                                                                     |
| -6                                                                                                             | 4        | 24/15                                                                              | 6 - 8    | 3-3-4-4                                                               |                                                                                                                                                                                                                                                                                                                                                                                                     |
| -8                                                                                                             | 5        | 24/17                                                                              | 8 - 10   | 5-3-3-3                                                               |                                                                                                                                                                                                                                                                                                                                                                                                     |
| -10                                                                                                            | 6        | 24/17                                                                              | 10 - 12  | 2-1-2-3                                                               |                                                                                                                                                                                                                                                                                                                                                                                                     |
| -12                                                                                                            | 7        | 24/17                                                                              | 12 - 14  | 1-2-2-2                                                               |                                                                                                                                                                                                                                                                                                                                                                                                     |
| -14                                                                                                            | 8        | 24/18                                                                              | 14 - 16  | 2-2-3-4                                                               |                                                                                                                                                                                                                                                                                                                                                                                                     |
| -16                                                                                                            | 9        | 24/19                                                                              | 16 - 18  | 2-2-3-3                                                               |                                                                                                                                                                                                                                                                                                                                                                                                     |
| -18                                                                                                            | 10       | 24/19                                                                              | 18 - 20  | 2-2-3-4                                                               |                                                                                                                                                                                                                                                                                                                                                                                                     |
| -20                                                                                                            |          |                                                                                    |          |                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                     |
| -22                                                                                                            |          |                                                                                    |          |                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                     |
| -24                                                                                                            |          |                                                                                    |          |                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                     |
| -26                                                                                                            |          |                                                                                    |          |                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                     |
| -28                                                                                                            |          |                                                                                    |          |                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                     |
| -30                                                                                                            |          |                                                                                    |          |                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                     |
| -32                                                                                                            |          |                                                                                    |          |                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                     |
| -34                                                                                                            |          |                                                                                    |          |                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                     |
| -36                                                                                                            |          |                                                                                    |          |                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                     |
| -38                                                                                                            |          |                                                                                    |          |                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                     |
| -40                                                                                                            |          |                                                                                    |          |                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                     |
| -42                                                                                                            |          |                                                                                    |          |                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                     |
| -44                                                                                                            |          |                                                                                    |          |                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                     |
| -46                                                                                                            |          |                                                                                    |          |                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                     |
| -48                                                                                                            |          |                                                                                    |          |                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                     |
| -50                                                                                                            |          |                                                                                    |          |                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                     |
| -52                                                                                                            |          |                                                                                    |          |                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                     |
| -54                                                                                                            |          |                                                                                    |          |                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                     |
| -56                                                                                                            |          |                                                                                    |          |                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                     |
| -58                                                                                                            |          |                                                                                    |          |                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                     |
| -60                                                                                                            |          |                                                                                    |          |                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                     |
| -62                                                                                                            |          |                                                                                    |          |                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                     |
| -64                                                                                                            |          |                                                                                    |          |                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                     |
| -66                                                                                                            |          |                                                                                    |          |                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                     |
| -68                                                                                                            |          |                                                                                    |          |                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                     |
| Granular Soils                                                                                                 |          | Cohesive Soils                                                                     |          | Proportions Used                                                      | Well Installation Key                                                                                                                                                                                                                                                                                                                                                                               |
| BLOWS/FT                                                                                                       | DENSITY  | BLOWS/FT                                                                           | DENSITY  |                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                     |
| 0 - 4                                                                                                          | V. LOOSE | > 2                                                                                | V. SOFT  | Trace 0 - 10%<br>Little 10 - 20%<br>Some 20 - 35%<br>And 35 - 50%     |  - CONCRETE                                                                                                                                                                                                                                                                                                    |
| 4 - 10                                                                                                         | LOOSE    | 2 - 4                                                                              | SOFT     |                                                                       |  - SAND PACK                                                                                                                                                                                                                                                                                                   |
| 10 - 30                                                                                                        | M. DENSE | 4 - 8                                                                              | M. STIFF |                                                                       |  - SOIL BACKFILL                                                                                                                                                                                                                                                                                               |
| 30 - 50                                                                                                        | DENSE    | 8 - 15                                                                             | STIFF    |                                                                       |  - BENTONITE                                                                                                                                                                                                                                                                                                   |
| > 50                                                                                                           | V. DENSE | 15 - 30                                                                            | V. STIFF |                                                                       |  - SCREEN                                                                                                                                                                                                                                                                                                      |
|                                                                                                                |          | > 30                                                                               | HARD     |                                                                       |  - APPROX. WATER LEVEL                                                                                                                                                                                                                                                                                         |
| CAPE COD TEST BORING                                                                                           |          |                                                                                    |          | BORING NO. GT-1                                                       |                                                                                                                                                                                                                                                                                                                                                                                                     |



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| Cape Cod Test Boring<br>5 Rayber Road, Orleans, MA 02653<br>(508) 240-1000<br>div. Desmond Well Drilling, Inc. |        |          | Project<br>HRP Associates, Inc.<br>Town of Truro - DPW<br>17 Town Hall Road, Truro |          |                                                                           | Boring No. GT-2                                                       |                                                                                                             |  |
|                                                                                                                |        |          |                                                                                    |          |                                                                           | Sheet 1 of 1                                                          |                                                                                                             |  |
| Driller: Thomas E Desmond III                                                                                  |        |          |                                                                                    |          |                                                                           | Boring location:                                                      |                                                                                                             |  |
| Helper: Zachary Enos                                                                                           |        |          |                                                                                    |          |                                                                           | Ground Surface Elevation:                                             |                                                                                                             |  |
| Inspector: Andrew Bushman                                                                                      |        |          |                                                                                    |          |                                                                           | Date start: 8/2/2024 Date end: 8/2/2024                               |                                                                                                             |  |
| Sampler consists of a two inch split spoon driven using an automatic hammer.                                   |        |          | Notes:                                                                             |          |                                                                           | Auger Size: 6 1/4" x 4" H.S.A<br>Casing Size: N/A<br>Screen Size: N/A |                                                                                                             |  |
| Depth                                                                                                          | Sample |          |                                                                                    |          | Sample Description                                                        |                                                                       |                                                                                                             |  |
| (FT)                                                                                                           | NO     | PEN/REC  | DEPTH/FT                                                                           | BLOWS 6" |                                                                           |                                                                       |                                                                                                             |  |
| 0                                                                                                              | 1      | 24/17    | 0 - 2                                                                              | 5-5-5-5  | 6" asphalt. Fill; asphalt; F-M-C brown sand. Dry.                         |                                                                       |                                                                                                             |  |
| -2                                                                                                             | 2      | 24/14    | 2 - 4                                                                              | 4-7-8-7  | F-M-C brown sand; trace gravel. Dry.                                      |                                                                       |                                                                                                             |  |
| -4                                                                                                             | 3      | 24/18    | 4 - 6                                                                              | 1-5-4-5  | F-M-C brown/gray sand; trace gravel. Dry.                                 |                                                                       |                                                                                                             |  |
| -6                                                                                                             | 4      | 24/16    | 6 - 8                                                                              | 2-4-5-5  | F-M brown/gray sand. Dry.                                                 |                                                                       |                                                                                                             |  |
| -8                                                                                                             | 5      | 24/16    | 8 - 10                                                                             | 2-3-3-4  | F-M-C brown sand. Dry.                                                    |                                                                       |                                                                                                             |  |
| -10                                                                                                            | 6      | 24/15    | 10 - 12                                                                            | 2-3-4-6  | F-M-C brown/gray sand; trace small gravel. Dry.                           |                                                                       |                                                                                                             |  |
| -12                                                                                                            | 7      | 24/17    | 12 - 14                                                                            | 3-5-4-6  | F-M-C brown/gray sand; trace gravel. Dry.                                 |                                                                       |                                                                                                             |  |
| -14                                                                                                            | 8      | 24/18    | 14 - 16                                                                            | 4-8-8-10 | F-M-C brown/gray sand; trace gravel. Dry.                                 |                                                                       |                                                                                                             |  |
| -16                                                                                                            | 9      | 24/17    | 16 - 18                                                                            | 2-4-7-7  | F-M-C brown sand; trace gravel. Dry.                                      |                                                                       |                                                                                                             |  |
| -18                                                                                                            | 10     | 24/19    | 18 - 20                                                                            | 4-5-5-6  | F-M-C brown/gray sand and small gravel. Dry.                              |                                                                       |                                                                                                             |  |
| -20                                                                                                            |        |          |                                                                                    |          | End of boring: 18'<br>End of sample: 20'<br>Groundwater encountered: none |                                                                       |                                                                                                             |  |
| -22                                                                                                            |        |          |                                                                                    |          |                                                                           |                                                                       |                                                                                                             |  |
| -24                                                                                                            |        |          |                                                                                    |          |                                                                           |                                                                       |                                                                                                             |  |
| -26                                                                                                            |        |          |                                                                                    |          |                                                                           |                                                                       |                                                                                                             |  |
| -28                                                                                                            |        |          |                                                                                    |          |                                                                           |                                                                       |                                                                                                             |  |
| -30                                                                                                            |        |          |                                                                                    |          |                                                                           |                                                                       |                                                                                                             |  |
| -32                                                                                                            |        |          |                                                                                    |          |                                                                           |                                                                       |                                                                                                             |  |
| -34                                                                                                            |        |          |                                                                                    |          |                                                                           |                                                                       |                                                                                                             |  |
| -36                                                                                                            |        |          |                                                                                    |          |                                                                           |                                                                       |                                                                                                             |  |
| -38                                                                                                            |        |          |                                                                                    |          |                                                                           |                                                                       |                                                                                                             |  |
| -40                                                                                                            |        |          |                                                                                    |          |                                                                           |                                                                       |                                                                                                             |  |
| -42                                                                                                            |        |          |                                                                                    |          |                                                                           |                                                                       |                                                                                                             |  |
| -44                                                                                                            |        |          |                                                                                    |          |                                                                           |                                                                       |                                                                                                             |  |
| -46                                                                                                            |        |          |                                                                                    |          |                                                                           |                                                                       |                                                                                                             |  |
| -48                                                                                                            |        |          |                                                                                    |          |                                                                           |                                                                       |                                                                                                             |  |
| -50                                                                                                            |        |          |                                                                                    |          |                                                                           |                                                                       |                                                                                                             |  |
| -52                                                                                                            |        |          |                                                                                    |          |                                                                           |                                                                       |                                                                                                             |  |
| -54                                                                                                            |        |          |                                                                                    |          |                                                                           |                                                                       |                                                                                                             |  |
| -56                                                                                                            |        |          |                                                                                    |          |                                                                           |                                                                       |                                                                                                             |  |
| -58                                                                                                            |        |          |                                                                                    |          |                                                                           |                                                                       |                                                                                                             |  |
| -60                                                                                                            |        |          |                                                                                    |          |                                                                           |                                                                       |                                                                                                             |  |
| -62                                                                                                            |        |          |                                                                                    |          |                                                                           |                                                                       |                                                                                                             |  |
| -64                                                                                                            |        |          |                                                                                    |          |                                                                           |                                                                       |                                                                                                             |  |
| -66                                                                                                            |        |          |                                                                                    |          |                                                                           |                                                                       |                                                                                                             |  |
| -68                                                                                                            |        |          |                                                                                    |          |                                                                           |                                                                       |                                                                                                             |  |
| Granular Soils                                                                                                 |        |          | Cohesive Soils                                                                     |          | Proportions Used                                                          |                                                                       | Well Installation Key                                                                                       |  |
| BLOWS/FT                                                                                                       |        | DENSITY  | BLOWS/FT DENSITY                                                                   |          |                                                                           |                                                                       |  - CONCRETE            |  |
| 0 - 4                                                                                                          |        | V. LOOSE | > 2 V. SOFT                                                                        |          | Trace 0 - 10%                                                             |                                                                       |  - SAND PACK           |  |
| 4 - 10                                                                                                         |        | LOOSE    | 2 - 4 SOFT                                                                         |          | Little 10 - 20%                                                           |                                                                       |  - SOIL BACKFILL       |  |
| 10 - 30                                                                                                        |        | M. DENSE | 4 - 8 M. STIFF                                                                     |          | Some 20 - 35%                                                             |                                                                       |  - BENTONITE           |  |
| 30 - 50                                                                                                        |        | DENSE    | 8 - 15 STIFF                                                                       |          | And 35 - 50%                                                              |                                                                       |  - SCREEN              |  |
| > 50                                                                                                           |        | V. DENSE | 15 - 30 V. STIFF                                                                   |          |                                                                           |                                                                       |  - APPROX. WATER LEVEL |  |
|                                                                                                                |        |          | > 30 HARD                                                                          |          |                                                                           |                                                                       |                                                                                                             |  |
| CAPE COD TEST BORING                                                                                           |        |          |                                                                                    |          |                                                                           | BORING NO. GT-2                                                       |                                                                                                             |  |

|                                                                                                                |          |                                                                                    |          |                                                                       |                                                                           |
|----------------------------------------------------------------------------------------------------------------|----------|------------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------|---------------------------------------------------------------------------|
| Cape Cod Test Boring<br>5 Rayber Road, Orleans, MA 02653<br>(508) 240-1000<br>div. Desmond Well Drilling, Inc. |          | Project<br>HRP Associates, Inc.<br>Town of Truro - DPW<br>17 Town Hall Road, Truro |          | Boring No. GT-4                                                       |                                                                           |
| Driller: Thomas E Desmond III                                                                                  |          | Boring location:                                                                   |          |                                                                       |                                                                           |
| Helper: Jose Pena                                                                                              |          | Ground Surface Elevation:                                                          |          |                                                                       |                                                                           |
| Inspector: Andrew Bushman                                                                                      |          | Date start: 8/5/2024                                                               |          | Date end: 8/5/2024                                                    |                                                                           |
| Sampler consists of a two inch split spoon driven using an automatic hammer.                                   |          | Notes:                                                                             |          | Auger Size: 6 1/4" x 4" H.S.A<br>Casing Size: N/A<br>Screen Size: N/A |                                                                           |
| Depth                                                                                                          | Sample   |                                                                                    |          |                                                                       | Sample Description                                                        |
| (FT)                                                                                                           | NO       | PEN/REC                                                                            | DEPTH/FT | BLOWS 6"                                                              |                                                                           |
| 0                                                                                                              | 1        | 24/18                                                                              | 0 - 2    | 22-20-17-14                                                           | F-M gravel; F-M brown sand. Dry.                                          |
| -2                                                                                                             | 2        | 24/18                                                                              | 2 - 4    | 5-6-5-5                                                               | F gravel; F-M brown sand. Dry.                                            |
| -4                                                                                                             | 3        | 24/17                                                                              | 4 - 6    | 2-1-2-1                                                               | F-M-C brown sand. Dry.                                                    |
| -6                                                                                                             | 4        | 24/19                                                                              | 6 - 8    | 1-1-2-1                                                               | F-M-C brown sand. Dry.                                                    |
| -8                                                                                                             | 5        | 24/18                                                                              | 8 - 10   | 1-1-2-1                                                               | F-M-C brown sand. Dry.                                                    |
| -10                                                                                                            | 6        | 24/21                                                                              | 10 - 12  | 1-2-1-3                                                               | F-M-C brown sand. Dry.                                                    |
| -12                                                                                                            | 7        | 24/19                                                                              | 12 - 14  | 3-3-3-4                                                               | F-M-C brown sand. Dry.                                                    |
| -14                                                                                                            | 8        | 24/19                                                                              | 14 - 16  | 2-3-4-5                                                               | F-M-C brown sand. Dry.                                                    |
| -16                                                                                                            | 9        | 24/19                                                                              | 16 - 18  | 2-4-4-5                                                               | F-M-C brown sand. Dry.                                                    |
| -18                                                                                                            | 10       | 24/19                                                                              | 18 - 20  | 2-4-4-5                                                               | F-M-C brown sand. Dry.                                                    |
| -20                                                                                                            |          |                                                                                    |          |                                                                       | End of boring: 18'<br>End of sample: 20'<br>Groundwater encountered: none |
| -22                                                                                                            |          |                                                                                    |          |                                                                       |                                                                           |
| -24                                                                                                            |          |                                                                                    |          |                                                                       |                                                                           |
| -26                                                                                                            |          |                                                                                    |          |                                                                       |                                                                           |
| -28                                                                                                            |          |                                                                                    |          |                                                                       |                                                                           |
| -30                                                                                                            |          |                                                                                    |          |                                                                       |                                                                           |
| -32                                                                                                            |          |                                                                                    |          |                                                                       |                                                                           |
| -34                                                                                                            |          |                                                                                    |          |                                                                       |                                                                           |
| -36                                                                                                            |          |                                                                                    |          |                                                                       |                                                                           |
| -38                                                                                                            |          |                                                                                    |          |                                                                       |                                                                           |
| -40                                                                                                            |          |                                                                                    |          |                                                                       |                                                                           |
| -42                                                                                                            |          |                                                                                    |          |                                                                       |                                                                           |
| -44                                                                                                            |          |                                                                                    |          |                                                                       |                                                                           |
| -46                                                                                                            |          |                                                                                    |          |                                                                       |                                                                           |
| -48                                                                                                            |          |                                                                                    |          |                                                                       |                                                                           |
| -50                                                                                                            |          |                                                                                    |          |                                                                       |                                                                           |
| -52                                                                                                            |          |                                                                                    |          |                                                                       |                                                                           |
| -54                                                                                                            |          |                                                                                    |          |                                                                       |                                                                           |
| -56                                                                                                            |          |                                                                                    |          |                                                                       |                                                                           |
| -58                                                                                                            |          |                                                                                    |          |                                                                       |                                                                           |
| -60                                                                                                            |          |                                                                                    |          |                                                                       |                                                                           |
| -62                                                                                                            |          |                                                                                    |          |                                                                       |                                                                           |
| -64                                                                                                            |          |                                                                                    |          |                                                                       |                                                                           |
| -66                                                                                                            |          |                                                                                    |          |                                                                       |                                                                           |
| -68                                                                                                            |          |                                                                                    |          |                                                                       |                                                                           |
| Granular Soils                                                                                                 |          | Cohesive Soils                                                                     |          | Proportions Used                                                      | Well Installation Key                                                     |
| BLOWS/FT                                                                                                       | DENSITY  | BLOWS/FT                                                                           | DENSITY  |                                                                       |                                                                           |
| 0 - 4                                                                                                          | V. LOOSE | > 2                                                                                | V. SOFT  | Trace 0 - 10%                                                         | ■ - CONCRETE                                                              |
| 4 - 10                                                                                                         | LOOSE    | 2 - 4                                                                              | SOFT     | Little 10 - 20%                                                       | ■ - SAND PACK                                                             |
| 10 - 30                                                                                                        | M. DENSE | 4 - 8                                                                              | M. STIFF | Some 20 - 35%                                                         | Z - SOIL BACKFILL                                                         |
| 30 - 50                                                                                                        | DENSE    | 8 - 15                                                                             | STIFF    | And 35 - 50%                                                          | ▨ - BENTONITE                                                             |
| > 50                                                                                                           | V. DENSE | 15 - 30                                                                            | V. STIFF |                                                                       | ⊞ - SCREEN                                                                |
|                                                                                                                |          | > 30                                                                               | HARD     |                                                                       | ▽ - APPROX. WATER LEVEL                                                   |
| CAPE COD TEST BORING                                                                                           |          |                                                                                    |          | BORING NO. GT-4                                                       |                                                                           |

|                                |          |                          |                                                                                               |  |                                             |         |                     |                |                 |  |
|--------------------------------|----------|--------------------------|-----------------------------------------------------------------------------------------------|--|---------------------------------------------|---------|---------------------|----------------|-----------------|--|
| Project:                       |          |                          | HRP ASSOCIATES, INC.                                                                          |  | Test Boring ID/Monitoring Well ID: TP-1     |         |                     |                |                 |  |
| Location: 17 Town Hall Road    |          |                          | TEST PIT SOIL LOG                                                                             |  |                                             |         |                     |                |                 |  |
| HRP Job No.: TRU2501.P2        |          |                          | Rig Type: N/A                                                                                 |  | Sheet No. 1 of 1                            |         |                     |                |                 |  |
| Date: 7/11/2024                |          |                          |                                                                                               |  | Driller: N/A                                |         |                     |                |                 |  |
| HRP Rep. SL & AB               |          |                          | PROPORTIONS                                                                                   |  |                                             |         |                     |                |                 |  |
| Total Test Pit Depth: 10 ft    |          |                          | trace: 0 to 10%                                                                               |  |                                             |         |                     |                | some: 20 to 35% |  |
| Depth to Bedrock: Unknown      |          |                          | little: 10 to 20%                                                                             |  |                                             |         |                     |                | and: 35 to 50%  |  |
| Sampler Depth<br>interval (ft) | Moisture | Contact<br>Interval (ft) | Soil Description (proportions, grain size, etc.)                                              |  | PID (ppm)                                   |         | Soil Sample Details |                |                 |  |
|                                |          |                          |                                                                                               |  | Depth (ft)                                  | Reading | Interval<br>(ft)    | Sample<br>Time |                 |  |
| 05                             | Dry      | 0.0-0.5                  | Medium SAND and fine to medium GRAVEL, gray to tan.                                           |  | 0-2                                         | < 0.1   | 0-2                 | 0745           |                 |  |
|                                |          | 0.5-3                    | Medium SAND, dark brown, trace medium to coarse gravel. Black geotextile material at 3.0 fbg. |  | 2-4                                         | < 0.1   |                     |                |                 |  |
|                                |          | 3.0-5.0                  | Medium SAND, medium brown to orange.                                                          |  | 4-6                                         | < 0.1   | 4-6                 | 0755           |                 |  |
|                                |          | 5.0-6.0                  | Medium to fine GRAVEL, gray.                                                                  |  | 6-8                                         | < 0.1   |                     |                |                 |  |
| 510                            | Dry      | 6.0-10.0                 | Medium to fine SAND, orange brown.                                                            |  | 8-10                                        | < 0.1   |                     |                |                 |  |
|                                |          |                          |                                                                                               |  |                                             |         |                     |                |                 |  |
| NOTES                          |          |                          | USCS SOIL CLASSIFICATION                                                                      |  |                                             |         |                     |                |                 |  |
| ft = feet                      |          |                          | CH (Fat Clay)                                                                                 |  | OH (Organic Clay / Silt of High Plasticity) |         |                     |                |                 |  |
| SAA = Same as above            |          |                          | CL (Lean Clay)                                                                                |  | OL (Organic Clay / Silt of Low Plasticity)  |         |                     |                |                 |  |
| NA = Not applicable            |          |                          | GC (Clayey Gravel)                                                                            |  | PT (Highly Organic Soil / Peat)             |         |                     |                |                 |  |
| PID = Photoionization Detector |          |                          | GM ( Silty Gravel)                                                                            |  | SC (Clayey Sand)                            |         |                     |                |                 |  |
| ppm = parts per million        |          |                          | GP (Poorly Graded Gravel)                                                                     |  | SM (Silty Sand)                             |         |                     |                |                 |  |
|                                |          |                          | GW (Well-Graded Gravel)                                                                       |  | SP (Poorly Graded Sand)                     |         |                     |                |                 |  |
|                                |          |                          | MH (Elastic Silt)                                                                             |  | SW (Well-Graded Sand)                       |         |                     |                |                 |  |
|                                |          |                          | ML (Silt)                                                                                     |  |                                             |         |                     |                |                 |  |

|                                |          |                          |                                                          |  |                                                           |         |                     |                |                 |  |
|--------------------------------|----------|--------------------------|----------------------------------------------------------|--|-----------------------------------------------------------|---------|---------------------|----------------|-----------------|--|
| Project:                       |          |                          | HRP ASSOCIATES, INC.                                     |  | Test Boring ID/Monitoring Well ID: TP-2                   |         |                     |                |                 |  |
| Location: 17 Town Hall Road    |          |                          | TEST PIT SOIL LOG                                        |  |                                                           |         |                     |                |                 |  |
| HRP Job No.: TRU2501.P2        |          |                          | Rig Type: N/A                                            |  | Sheet No. 1 of 1                                          |         |                     |                |                 |  |
| Date: 7/11/2024                |          |                          |                                                          |  | Driller: N/A                                              |         |                     |                |                 |  |
| HRP Rep. SL & AB               |          |                          | PROPORTIONS                                              |  |                                                           |         |                     |                |                 |  |
| Total Test Pit Depth: 10 ft    |          |                          | trace: 0 to 10%                                          |  |                                                           |         |                     |                | some: 20 to 35% |  |
| Depth to Bedrock: Unknown      |          |                          | little: 10 to 20%                                        |  |                                                           |         |                     |                | and: 35 to 50%  |  |
| Sampler Depth<br>interval (ft) | Moisture | Contact<br>Interval (ft) | Soil Description (proportions, grain size, etc.)         |  | PID (ppm)                                                 |         | Soil Sample Details |                |                 |  |
|                                |          |                          |                                                          |  | Depth (ft)                                                | Reading | Interval<br>(ft)    | Sample<br>Time |                 |  |
| 05                             | Dry      | 0.0-0.5                  | Medium SAND and fine to medium GRAVEL, gray to tan.      |  | 0-2                                                       | < 0.1   | 2-4                 | 0850           |                 |  |
|                                |          | 0.5-5                    | Medium SAND, orange to tan, trace medium to fine gravel. |  | 2-4                                                       | < 0.1   |                     |                |                 |  |
| 510                            | Dry      | 5.0-10.0                 | Medium to fine SAND, orange brown, trace fine gravel.    |  | 4-6                                                       | < 0.1   |                     |                |                 |  |
|                                |          |                          |                                                          |  | 6-8                                                       | < 0.1   |                     |                |                 |  |
|                                |          |                          |                                                          |  | 8-10                                                      | < 0.1   |                     |                |                 |  |
|                                |          |                          |                                                          |  |                                                           |         |                     |                |                 |  |
| NOTES                          |          |                          |                                                          |  | USCS SOIL CLASSIFICATION                                  |         |                     |                |                 |  |
| ft = feet                      |          |                          |                                                          |  | CH (Fat Clay) OH (Organic Clay / Silt of High Plasticity) |         |                     |                |                 |  |
| SAA = Same as above            |          |                          |                                                          |  | CL (Lean Clay) OL (Organic Clay / Silt of Low Plasticity) |         |                     |                |                 |  |
| NA = Not applicable            |          |                          |                                                          |  | GC (Clayey Gravel) PT (Highly Organic Soil / Peat)        |         |                     |                |                 |  |
| PID = Photoionization Detector |          |                          |                                                          |  | GM ( Silty Gravel) SC (Clayey Sand)                       |         |                     |                |                 |  |
| ppm = parts per million        |          |                          |                                                          |  | GP (Poorly Graded Gravel) SM (Silty Sand)                 |         |                     |                |                 |  |
|                                |          |                          |                                                          |  | GW (Well-Graded Gravel) SP (Poorly Graded Sand)           |         |                     |                |                 |  |
|                                |          |                          |                                                          |  | MH (Elastic Silt) SW (Well-Graded Sand)                   |         |                     |                |                 |  |
|                                |          |                          |                                                          |  | ML (Silt)                                                 |         |                     |                |                 |  |

| Project:                       |          |                          | HRP ASSOCIATES, INC.                                                                                                                                                              |                 | Test Boring ID/Monitoring Well ID: TP-3     |                     |                |  |
|--------------------------------|----------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------------------------------|---------------------|----------------|--|
| Location: 17 Town Hall Road    |          |                          | TEST PIT SOIL LOG                                                                                                                                                                 |                 |                                             |                     |                |  |
| HRP Job No.: TRU2501.P2        |          |                          | Rig Type: N/A                                                                                                                                                                     |                 | Sheet No. 1 of 1                            |                     |                |  |
| Date: 7/11/2024                |          |                          |                                                                                                                                                                                   |                 | Driller: N/A                                |                     |                |  |
| HRP Rep. SL & AB               |          |                          | PROPORTIONS                                                                                                                                                                       |                 |                                             |                     |                |  |
| Total Test Pit Depth: 10 ft    |          |                          | trace: 0 to 10%                                                                                                                                                                   | some: 20 to 35% |                                             |                     |                |  |
| Depth to Bedrock: Unknown      |          |                          | little: 10 to 20%                                                                                                                                                                 | and: 35 to 50%  |                                             |                     |                |  |
| Sampler Depth<br>interval (ft) | Moisture | Contact<br>Interval (ft) | Soil Description (proportions, grain size, etc.)                                                                                                                                  | PID (ppm)       |                                             | Soil Sample Details |                |  |
|                                |          |                          |                                                                                                                                                                                   | Depth (ft)      | Reading                                     | Interval<br>(ft)    | Sample<br>Time |  |
| 05                             | Dry      | 0.0-0.5                  | Medium SAND and fine to medium GRAVEL, gray to tan.                                                                                                                               | 0-2             | < 0.1                                       | 8-10                | 1000           |  |
|                                |          | 0.5-5                    | Medium SAND, orange to tan, trace medium to fine gravel, trace coarse cobble. Crushed metal empty approximately 55-gallon drum encountered at 5 fbg. Removed for future disposal. | 2-4             | < 0.1                                       |                     |                |  |
|                                |          |                          |                                                                                                                                                                                   | 4-6             | < 0.1                                       |                     |                |  |
|                                |          |                          |                                                                                                                                                                                   | 6-8             | < 0.1                                       |                     |                |  |
| 510                            | Dry      | 5.0-10.0                 | Medium to fine SAND, orange brown, trace fine gravel. Gasoline like odor observed at 8-10 fbg.                                                                                    | 8-10            | 10.8                                        | 8-10                | 1000           |  |
|                                |          |                          |                                                                                                                                                                                   | 10-12           | 3.5                                         |                     |                |  |
|                                |          |                          |                                                                                                                                                                                   |                 |                                             |                     |                |  |
| NOTES                          |          |                          | USCS SOIL CLASSIFICATION                                                                                                                                                          |                 |                                             |                     |                |  |
| ft = feet                      |          |                          | CH (Fat Clay)                                                                                                                                                                     |                 | OH (Organic Clay / Silt of High Plasticity) |                     |                |  |
| SAA = Same as above            |          |                          | CL (Lean Clay)                                                                                                                                                                    |                 | OL (Organic Clay / Silt of Low Plasticity)  |                     |                |  |
| NA = Not applicable            |          |                          | GC (Clayey Gravel)                                                                                                                                                                |                 | PT (Highly Organic Soil / Peat)             |                     |                |  |
| PID = Photoionization Detector |          |                          | GM ( Silty Gravel)                                                                                                                                                                |                 | SC (Clayey Sand)                            |                     |                |  |
| ppm = parts per million        |          |                          | GP (Poorly Graded Gravel)                                                                                                                                                         |                 | SM (Silty Sand)                             |                     |                |  |
|                                |          |                          | GW (Well-Graded Gravel)                                                                                                                                                           |                 | SP (Poorly Graded Sand)                     |                     |                |  |
|                                |          |                          | MH (Elastic Silt)                                                                                                                                                                 |                 | SW (Well-Graded Sand)                       |                     |                |  |
|                                |          |                          | ML (Silt)                                                                                                                                                                         |                 |                                             |                     |                |  |

| Project:                       |          |                          | HRP ASSOCIATES, INC.                                                                                                                 |                                                           | Test Boring ID/Monitoring Well ID: TP-4 |                     |                |  |
|--------------------------------|----------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------|---------------------|----------------|--|
| Location: 17 Town Hall Road    |          |                          | TEST PIT SOIL LOG                                                                                                                    |                                                           |                                         |                     |                |  |
| HRP Job No.: TRU2501.P2        |          |                          | Rig Type: N/A                                                                                                                        |                                                           | Sheet No. 1 of 1                        |                     |                |  |
| Date: 7/11/2024                |          |                          |                                                                                                                                      |                                                           | Driller: N/A                            |                     |                |  |
| HRP Rep. SL & AB               |          |                          | PROPORTIONS                                                                                                                          |                                                           |                                         |                     |                |  |
| Total Test Pit Depth: 10 ft    |          |                          | trace: 0 to 10%                                                                                                                      | some: 20 to 35%                                           |                                         |                     |                |  |
| Depth to Bedrock: Unknown      |          |                          | little: 10 to 20%                                                                                                                    | and: 35 to 50%                                            |                                         |                     |                |  |
| Sampler Depth<br>interval (ft) | Moisture | Contact<br>Interval (ft) | Soil Description (proportions, grain size, etc.)                                                                                     | PID (ppm)                                                 |                                         | Soil Sample Details |                |  |
|                                |          |                          |                                                                                                                                      | Depth (ft)                                                | Reading                                 | Interval<br>(ft)    | Sample<br>Time |  |
| 0 5                            | Dry      | 0.0-0.5                  | Medium to fine SAND, some fine to medium GRAVEL, gray to tan.                                                                        | 0-2                                                       | < 0.1                                   | 6-8                 | 1115           |  |
|                                |          | 0.5-5                    | Medium to fine SAND, orange to tan, trace medium to fine gravel. Automobile frame encountered at 5 fbg. Removed for future disposal. | 2-4                                                       | < 0.1                                   |                     |                |  |
|                                |          |                          |                                                                                                                                      | 4-6                                                       | < 0.1                                   |                     |                |  |
|                                |          |                          |                                                                                                                                      | 6-8                                                       | < 0.1                                   |                     |                |  |
| 5 10                           | Dry      | 5.0-10.0                 | Medium to fine SAND, orange brown.                                                                                                   | 8-10                                                      | < 0.1                                   |                     |                |  |
|                                |          |                          |                                                                                                                                      | 10-12                                                     | < 0.1                                   |                     |                |  |
|                                |          |                          |                                                                                                                                      |                                                           |                                         |                     |                |  |
| NOTES                          |          |                          |                                                                                                                                      | USCS SOIL CLASSIFICATION                                  |                                         |                     |                |  |
| ft = feet                      |          |                          |                                                                                                                                      | CH (Fat Clay) OH (Organic Clay / Silt of High Plasticity) |                                         |                     |                |  |
| SAA = Same as above            |          |                          |                                                                                                                                      | CL (Lean Clay) OL (Organic Clay / Silt of Low Plasticity) |                                         |                     |                |  |
| NA = Not applicable            |          |                          |                                                                                                                                      | GC (Clayey Gravel) PT (Highly Organic Soil / Peat)        |                                         |                     |                |  |
| PID = Photoionization Detector |          |                          |                                                                                                                                      | GM ( Silty Gravel) SC (Clayey Sand)                       |                                         |                     |                |  |
| ppm = parts per million        |          |                          |                                                                                                                                      | GP (Poorly Graded Gravel) SM (Silty Sand)                 |                                         |                     |                |  |
|                                |          |                          |                                                                                                                                      | GW (Well-Graded Gravel) SP (Poorly Graded Sand)           |                                         |                     |                |  |
|                                |          |                          |                                                                                                                                      | MH (Elastic Silt) SW (Well-Graded Sand)                   |                                         |                     |                |  |
|                                |          |                          |                                                                                                                                      | ML (Silt)                                                 |                                         |                     |                |  |

|                                |    |          |                       |                                                                                                                                                                                   |                 |                                             |         |                     |             |     |
|--------------------------------|----|----------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------------------------------|---------|---------------------|-------------|-----|
| Project:                       |    |          | HRP ASSOCIATES, INC.  |                                                                                                                                                                                   |                 | Test Boring ID/Monitoring Well ID: TP-5     |         |                     |             |     |
| Location: 17 Town Hall Road    |    |          | TEST PIT SOIL LOG     |                                                                                                                                                                                   |                 |                                             |         |                     |             |     |
| HRP Job No.: TRU2501.P2        |    |          | Rig Type: N/A         |                                                                                                                                                                                   |                 | Sheet No. 1 of 1                            |         |                     |             |     |
| Date: 7/11/2024                |    |          |                       |                                                                                                                                                                                   |                 | Driller: N/A                                |         |                     |             |     |
| HRP Rep. SL & AB               |    |          | PROPORTIONS           |                                                                                                                                                                                   |                 |                                             |         |                     |             |     |
| Total Test Pit Depth: 10 ft    |    |          | trace: 0 to 10%       |                                                                                                                                                                                   | some: 20 to 35% |                                             |         |                     |             |     |
| Depth to Bedrock: Unknown      |    |          | little: 10 to 20%     |                                                                                                                                                                                   | and: 35 to 50%  |                                             |         |                     |             |     |
| Sampler Depth interval (ft)    |    | Moisture | Contact Interval (ft) | Soil Description (proportions, grain size, etc.)                                                                                                                                  |                 | PID (ppm)                                   |         | Soil Sample Details |             |     |
|                                |    |          |                       |                                                                                                                                                                                   |                 | Depth (ft)                                  | Reading | Interval (ft)       | Sample Time |     |
| 0                              | 5  | Dry      | 0.0-1.0               | Medium SAND and medium to coarse GRAVEL, light tan to gray.                                                                                                                       |                 | 0-2 S                                       | 71.4    |                     |             |     |
|                                |    |          | 2.0                   | Former fuel oil tank encountered, petroleum odor.                                                                                                                                 |                 | 2-4 E                                       | < 0.1   |                     |             |     |
|                                |    |          | 2.0-5.0               | Medium to fine SAND, brown to orange, trace fine to medium gravel.                                                                                                                |                 | 4-6 N                                       | 1.5     |                     |             |     |
| 5                              | 10 | Dry      | 5.0-10.0              | Medium SAND, medium brown, trace fine to medium gravel.                                                                                                                           |                 | 4-6 W                                       | < 0.1   | 4-6                 | 0815        |     |
|                                |    |          |                       |                                                                                                                                                                                   |                 | 6-8 S                                       | 235.5   |                     |             | 6-8 |
|                                |    |          |                       |                                                                                                                                                                                   |                 | 6-8 W                                       | < 0.1   | 6-8                 | 1230        |     |
|                                |    |          |                       |                                                                                                                                                                                   |                 | 6-8 E                                       | 0.6     |                     |             |     |
|                                |    |          |                       |                                                                                                                                                                                   |                 | 6-8 C                                       | < 0.1   |                     |             |     |
|                                |    |          |                       |                                                                                                                                                                                   |                 | 8-10 S                                      | 0.9     |                     |             |     |
|                                |    |          |                       |                                                                                                                                                                                   |                 |                                             |         |                     |             |     |
|                                |    |          |                       | A total of six drums, one 275 gallon fuel oil tank, and other metal debris were encountered from 2-6 fbg. Petroleum odor observed throughout. Impacted soil removed under an IRA. |                 |                                             |         |                     |             |     |
| NOTES                          |    |          |                       | USCS SOIL CLASSIFICATION                                                                                                                                                          |                 |                                             |         |                     |             |     |
| ft = feet                      |    |          |                       | CH (Fat Clay)                                                                                                                                                                     |                 | OH (Organic Clay / Silt of High Plasticity) |         |                     |             |     |
| SAA = Same as above            |    |          |                       | CL (Lean Clay)                                                                                                                                                                    |                 | OL (Organic Clay / Silt of Low Plasticity)  |         |                     |             |     |
| NA = Not applicable            |    |          |                       | GC (Clayey Gravel)                                                                                                                                                                |                 | PT (Highly Organic Soil / Peat)             |         |                     |             |     |
| PID = Photoionization Detector |    |          |                       | GM ( Silty Gravel)                                                                                                                                                                |                 | SC (Clayey Sand)                            |         |                     |             |     |
| ppm = parts per million        |    |          |                       | GP (Poorly Graded Gravel)                                                                                                                                                         |                 | SM (Silty Sand)                             |         |                     |             |     |
|                                |    |          |                       | GW (Well-Graded Gravel)                                                                                                                                                           |                 | SP (Poorly Graded Sand)                     |         |                     |             |     |
|                                |    |          |                       | MH (Elastic Silt)                                                                                                                                                                 |                 | SW (Well-Graded Sand)                       |         |                     |             |     |
|                                |    |          |                       | ML (Silt)                                                                                                                                                                         |                 |                                             |         |                     |             |     |

| Project:                       |          | HRP ASSOCIATES, INC.     |                                                                 | Test Boring ID/Monitoring Well ID: TP-6 |         |                     |                |
|--------------------------------|----------|--------------------------|-----------------------------------------------------------------|-----------------------------------------|---------|---------------------|----------------|
| Location: 17 Town Hall Road    |          | TEST PIT SOIL LOG        |                                                                 | Sheet No. 1 of 1                        |         |                     |                |
| HRP Job No.: TRU2501.P2        |          | Rig Type: N/A            |                                                                 | Driller: N/A                            |         |                     |                |
| Date: 7/11/2024                |          |                          |                                                                 |                                         |         |                     |                |
| HRP Rep. SL & AB               |          | PROPORTIONS              |                                                                 |                                         |         |                     |                |
| Total Test Pit Depth: 10 ft    |          | trace: 0 to 10%          | some: 20 to 35%                                                 |                                         |         |                     |                |
| Depth to Bedrock: Unknown      |          | little: 10 to 20%        | and: 35 to 50%                                                  |                                         |         |                     |                |
| Sampler Depth<br>interval (ft) | Moisture | Contact<br>Interval (ft) | Soil Description (proportions, grain size, etc.)                | PID (ppm)                               |         | Soil Sample Details |                |
|                                |          |                          |                                                                 | Depth (ft)                              | Reading | Interval<br>(ft)    | Sample<br>Time |
| 0 5                            | Dry      | 0.0-0.5                  | Medium to fine SAND and fine to medium GRAVEL, gray to tan.     | N/A                                     | N/A     |                     |                |
|                                |          | 0.5-1.0                  | Medium to fine SAND, medium brown, trace medium to fine gravel. | N/A                                     | N/A     |                     |                |
|                                |          | 1.0-2.0                  | Containment cover for catch basin encountered.                  | N/A                                     | N/A     |                     |                |
|                                |          |                          | Test pit terminated at 2.0 fbg.                                 |                                         |         |                     |                |
| NOTES                          |          |                          | USCS SOIL CLASSIFICATION                                        |                                         |         |                     |                |
| ft = feet                      |          |                          | CH (Fat Clay) OH (Organic Clay / Silt of High Plasticity)       |                                         |         |                     |                |
| SAA = Same as above            |          |                          | CL (Lean Clay) OL (Organic Clay / Silt of Low Plasticity)       |                                         |         |                     |                |
| NA = Not applicable            |          |                          | GC (Clayey Gravel) PT (Highly Organic Soil / Peat)              |                                         |         |                     |                |
| PID = Photoionization Detector |          |                          | GM ( Silty Gravel) SC (Clayey Sand)                             |                                         |         |                     |                |
| ppm = parts per million        |          |                          | GP (Poorly Graded Gravel) SM (Silty Sand)                       |                                         |         |                     |                |
|                                |          |                          | GW (Well-Graded Gravel) SP (Poorly Graded Sand)                 |                                         |         |                     |                |
|                                |          |                          | MH (Elastic Silt) SW (Well-Graded Sand)                         |                                         |         |                     |                |
|                                |          |                          | ML (Silt)                                                       |                                         |         |                     |                |



|                                |          |                          |                                                                                                                                                                                                             |                                                           |                                         |         |                     |                |                 |  |
|--------------------------------|----------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------|---------|---------------------|----------------|-----------------|--|
| Project:                       |          |                          | HRP ASSOCIATES, INC.                                                                                                                                                                                        |                                                           | Test Boring ID/Monitoring Well ID: TP-7 |         |                     |                |                 |  |
| Location: 17 Town Hall Road    |          |                          | TEST PIT SOIL LOG                                                                                                                                                                                           |                                                           |                                         |         |                     |                |                 |  |
| HRP Job No.: TRU2501.P2        |          |                          | Rig Type: N/A                                                                                                                                                                                               |                                                           | Sheet No. 1 of 1                        |         |                     |                |                 |  |
| Date: 7/11/2024                |          |                          |                                                                                                                                                                                                             |                                                           | Driller: N/A                            |         |                     |                |                 |  |
| HRP Rep. SL & AB               |          |                          | PROPORTIONS                                                                                                                                                                                                 |                                                           |                                         |         |                     |                |                 |  |
| Total Test Pit Depth: 10 ft    |          |                          | trace: 0 to 10%                                                                                                                                                                                             |                                                           |                                         |         |                     |                | some: 20 to 35% |  |
| Depth to Bedrock: Unknown      |          |                          | little: 10 to 20%                                                                                                                                                                                           |                                                           |                                         |         |                     |                | and: 35 to 50%  |  |
| Sampler Depth<br>interval (ft) | Moisture | Contact<br>Interval (ft) | Soil Description (proportions, grain size, etc.)                                                                                                                                                            |                                                           | PID (ppm)                               |         | Soil Sample Details |                |                 |  |
|                                |          |                          |                                                                                                                                                                                                             |                                                           | Depth (ft)                              | Reading | Interval<br>(ft)    | Sample<br>Time |                 |  |
| 05                             | Dry      | 0.0-0.5                  | Medium to fine SAND and fine to medium GRAVEL, gray to tan.                                                                                                                                                 |                                                           | 0-2                                     | < 0.1   | 4-6                 | 1210           |                 |  |
|                                |          | 0.5-5                    | Medium to fine SAND, medium brown, trace medium to fine gravel. Encountered sheet metal at 0-2 fbg and empty approximately 5-gallon empty rusted metal drum at 5 fbg. Debris and drum removed for disposal. | 2-4                                                       | < 0.1                                   |         |                     |                |                 |  |
|                                |          |                          |                                                                                                                                                                                                             | 4-6                                                       | < 0.1                                   |         |                     |                |                 |  |
|                                | 510      | Dry                      | 5.0-10.0                                                                                                                                                                                                    | Medium to fine SAND, orange brown.                        | 6-8                                     | < 0.1   |                     |                |                 |  |
|                                |          |                          |                                                                                                                                                                                                             |                                                           | 8-10                                    | < 0.1   |                     |                |                 |  |
|                                |          |                          | Multiple concrete debris, tires, and metal debris encountered throughout test pit. Debris removed for disposal                                                                                              |                                                           |                                         |         |                     |                |                 |  |
| NOTES                          |          |                          |                                                                                                                                                                                                             | USCS SOIL CLASSIFICATION                                  |                                         |         |                     |                |                 |  |
| ft = feet                      |          |                          |                                                                                                                                                                                                             | CH (Fat Clay) OH (Organic Clay / Silt of High Plasticity) |                                         |         |                     |                |                 |  |
| SAA = Same as above            |          |                          |                                                                                                                                                                                                             | CL (Lean Clay) OL (Organic Clay / Silt of Low Plasticity) |                                         |         |                     |                |                 |  |
| NA = Not applicable            |          |                          |                                                                                                                                                                                                             | GC (Clayey Gravel) PT (Highly Organic Soil / Peat)        |                                         |         |                     |                |                 |  |
| PID = Photoionization Detector |          |                          |                                                                                                                                                                                                             | GM ( Silty Gravel) SC (Clayey Sand)                       |                                         |         |                     |                |                 |  |
| ppm = parts per million        |          |                          |                                                                                                                                                                                                             | GP (Poorly Graded Gravel) SM (Silty Sand)                 |                                         |         |                     |                |                 |  |
|                                |          |                          |                                                                                                                                                                                                             | GW (Well-Graded Gravel) SP (Poorly Graded Sand)           |                                         |         |                     |                |                 |  |
|                                |          |                          |                                                                                                                                                                                                             | MH (Elastic Silt) SW (Well-Graded Sand)                   |                                         |         |                     |                |                 |  |
|                                |          |                          |                                                                                                                                                                                                             | ML (Silt)                                                 |                                         |         |                     |                |                 |  |

|                                |          |                          |                                                                                                         |                           |                                         |                                             |                     |             |
|--------------------------------|----------|--------------------------|---------------------------------------------------------------------------------------------------------|---------------------------|-----------------------------------------|---------------------------------------------|---------------------|-------------|
| Project:                       |          |                          | HRP ASSOCIATES, INC.                                                                                    |                           | Test Boring ID/Monitoring Well ID: TP-8 |                                             |                     |             |
| Location: 17 Town Hall Road    |          |                          | TEST PIT SOIL LOG                                                                                       |                           |                                         |                                             |                     |             |
| HRP Job No.: TRU2501.P2        |          |                          | Rig Type: N/A                                                                                           |                           | Sheet No. 1 of 1                        |                                             |                     |             |
| Date: 7/11/2024                |          |                          |                                                                                                         |                           | Driller: N/A                            |                                             |                     |             |
| HRP Rep. SL & AB               |          |                          | PROPORTIONS                                                                                             |                           |                                         |                                             |                     |             |
| Total Test Pit Depth: 10 ft    |          |                          | trace: 0 to 10%                                                                                         | some: 20 to 35%           |                                         |                                             |                     |             |
| Depth to Bedrock: Unknown      |          |                          | little: 10 to 20%                                                                                       | and: 35 to 50%            |                                         |                                             |                     |             |
| Sampler Depth<br>interval (ft) | Moisture | Contact<br>Interval (ft) | Soil Description (proportions, grain size, etc.)                                                        |                           | PID (ppm)                               |                                             | Soil Sample Details |             |
|                                |          |                          |                                                                                                         |                           | Depth (ft)                              | Reading                                     | Interval (ft)       | Sample Time |
| 0 5                            | Dry      | 0.0-0.5                  | Medium to fine SAND and fine to medium GRAVEL, gray to tan.                                             |                           | 0-2                                     | < 0.1                                       | 0-2                 | 1315        |
|                                |          | 0.5-5                    | Medium to fine SAND, medium brown, trace medium to fine gravel. Metal gaurdrail encountered at 1.0 fbg. |                           | 2-4                                     | < 0.1                                       |                     |             |
| 5 10                           | Dry      | 5.0-10.0                 | Medium to fine SAND, orange brown.                                                                      |                           | 4-6                                     | < 0.1                                       |                     |             |
|                                |          |                          |                                                                                                         |                           | 6-8                                     | < 0.1                                       |                     |             |
|                                |          |                          |                                                                                                         |                           | 8-10                                    | < 0.1                                       |                     |             |
|                                |          |                          |                                                                                                         |                           |                                         |                                             |                     |             |
| NOTES                          |          |                          |                                                                                                         | USCS SOIL CLASSIFICATION  |                                         |                                             |                     |             |
| ft = feet                      |          |                          |                                                                                                         | CH (Fat Clay)             |                                         | OH (Organic Clay / Silt of High Plasticity) |                     |             |
| SAA = Same as above            |          |                          |                                                                                                         | CL (Lean Clay)            |                                         | OL (Organic Clay / Silt of Low Plasticity)  |                     |             |
| NA = Not applicable            |          |                          |                                                                                                         | GC (Clayey Gravel)        |                                         | PT (Highly Organic Soil / Peat)             |                     |             |
| PID = Photoionization Detector |          |                          |                                                                                                         | GM ( Silty Gravel)        |                                         | SC (Clayey Sand)                            |                     |             |
| ppm = parts per million        |          |                          |                                                                                                         | GP (Poorly Graded Gravel) |                                         | SM (Silty Sand)                             |                     |             |
|                                |          |                          |                                                                                                         | GW (Well-Graded Gravel)   |                                         | SP (Poorly Graded Sand)                     |                     |             |
|                                |          |                          |                                                                                                         | MH (Elastic Silt)         |                                         | SW (Well-Graded Sand)                       |                     |             |
|                                |          |                          |                                                                                                         | ML (Silt)                 |                                         |                                             |                     |             |

|                                |          |                          |                                                                                                                  |                 |                                                  |                                              |                     |             |
|--------------------------------|----------|--------------------------|------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------------------------|----------------------------------------------|---------------------|-------------|
| Project:                       |          |                          | HRP ASSOCIATES, INC.                                                                                             |                 | Test Boring ID/Monitoring Well ID: TP-9          |                                              |                     |             |
| Location: 17 Town Hall Road    |          |                          | TEST PIT SOIL LOG                                                                                                |                 |                                                  |                                              |                     |             |
| HRP Job No.: TRU2501.P2        |          |                          | Rig Type: N/A                                                                                                    |                 | Sheet No. 1 of 1                                 |                                              |                     |             |
| Date: 7/11/2024                |          |                          |                                                                                                                  |                 | Driller: N/A                                     |                                              |                     |             |
| HRP Rep. SL & AB               |          |                          | PROPORTIONS                                                                                                      |                 |                                                  |                                              |                     |             |
| Total Test Pit Depth: 10 ft    |          |                          | trace: 0 to 10%                                                                                                  | some: 20 to 35% |                                                  |                                              |                     |             |
| Depth to Bedrock: Unknown      |          |                          | little: 10 to 20%                                                                                                | and: 35 to 50%  |                                                  |                                              |                     |             |
| Sampler Depth<br>interval (ft) | Moisture | Contact<br>Interval (ft) | Soil Description (proportions, grain size, etc.)                                                                 |                 | PID (ppm)                                        |                                              | Soil Sample Details |             |
|                                |          |                          |                                                                                                                  |                 | Depth (ft)                                       | Reading                                      | Interval (ft)       | Sample Time |
| 0-5                            | Dry      | 0.0-0.5<br><br>0.5-5     | Medium SAND and fine to medium GRAVEL, gray to tan.<br><br>Medium to fine SAND, orange brown, trace fine gravel. |                 | 0-2<br><br>2-4<br><br>4-6<br><br>6-8<br><br>8-10 | < 0.1<br><br>< 0.1<br><br>< 0.1<br><br>< 0.1 | 2-4                 | 1445        |
| 5-10                           | Dry      | 5.0-10.0                 |                                                                                                                  |                 |                                                  |                                              |                     |             |
|                                |          |                          |                                                                                                                  |                 |                                                  |                                              |                     |             |
| NOTES                          |          |                          | USCS SOIL CLASSIFICATION                                                                                         |                 |                                                  |                                              |                     |             |
| ft = feet                      |          |                          | CH (Fat Clay)                                                                                                    |                 | OH (Organic Clay / Silt of High Plasticity)      |                                              |                     |             |
| SAA = Same as above            |          |                          | CL (Lean Clay)                                                                                                   |                 | OL (Organic Clay / Silt of Low Plasticity)       |                                              |                     |             |
| NA = Not applicable            |          |                          | GC (Clayey Gravel)                                                                                               |                 | PT (Highly Organic Soil / Peat)                  |                                              |                     |             |
| PID = Photoionization Detector |          |                          | GM ( Silty Gravel)                                                                                               |                 | SC (Clayey Sand)                                 |                                              |                     |             |
| ppm = parts per million        |          |                          | GP (Poorly Graded Gravel)                                                                                        |                 | SM (Silty Sand)                                  |                                              |                     |             |
|                                |          |                          | GW (Well-Graded Gravel)                                                                                          |                 | SP (Poorly Graded Sand)                          |                                              |                     |             |
|                                |          |                          | MH (Elastic Silt)                                                                                                |                 | SW (Well-Graded Sand)                            |                                              |                     |             |
|                                |          |                          | ML (Silt)                                                                                                        |                 |                                                  |                                              |                     |             |

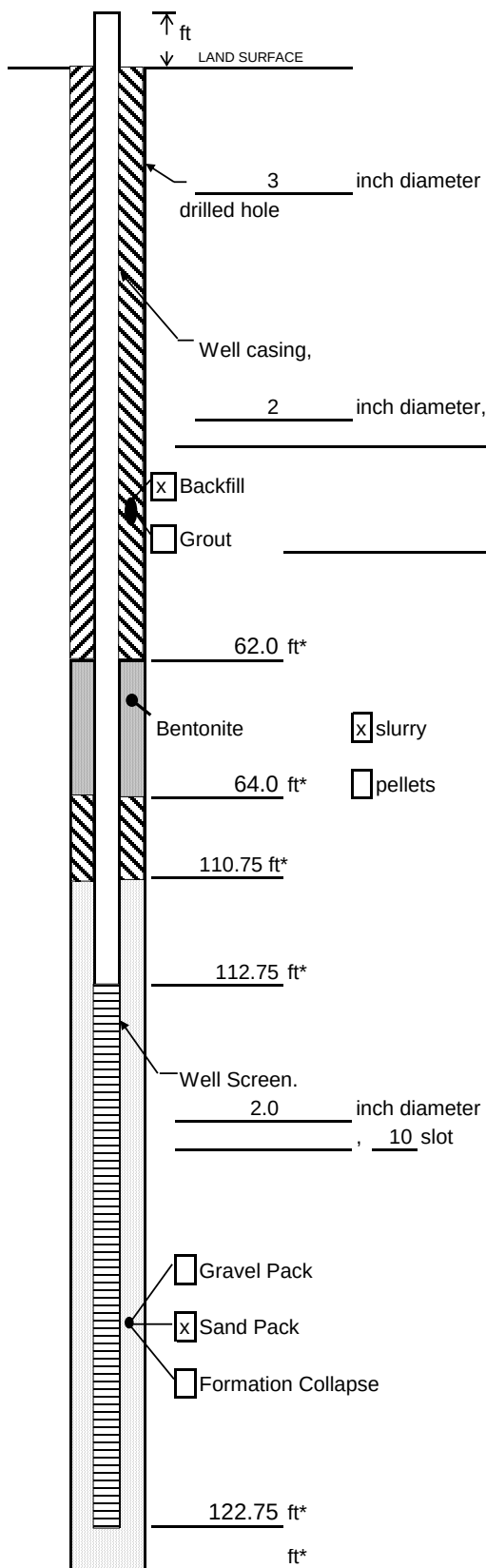
|                                |          |                          |                                                        |                                               |                                          |                                             |                     |             |
|--------------------------------|----------|--------------------------|--------------------------------------------------------|-----------------------------------------------|------------------------------------------|---------------------------------------------|---------------------|-------------|
| Project:                       |          |                          | HRP ASSOCIATES, INC.                                   |                                               | Test Boring ID/Monitoring Well ID: TP-10 |                                             |                     |             |
| Location: 17 Town Hall Road    |          |                          | TEST PIT SOIL LOG                                      |                                               |                                          |                                             |                     |             |
| HRP Job No.: TRU2501.P2        |          |                          | Rig Type: N/A                                          |                                               | Sheet No. 1 of 1                         |                                             |                     |             |
| Date: 7/11/2024                |          |                          |                                                        |                                               | Driller: N/A                             |                                             |                     |             |
| HRP Rep. SL & AB               |          |                          | PROPORTIONS                                            |                                               |                                          |                                             |                     |             |
| Total Test Pit Depth: 10 ft    |          |                          | trace: 0 to 10%                                        | some: 20 to 35%                               |                                          |                                             |                     |             |
| Depth to Bedrock: Unknown      |          |                          | little: 10 to 20%                                      | and: 35 to 50%                                |                                          |                                             |                     |             |
| Sampler Depth<br>interval (ft) | Moisture | Contact<br>Interval (ft) | Soil Description (proportions, grain size, etc.)       |                                               | PID (ppm)                                |                                             | Soil Sample Details |             |
|                                |          |                          |                                                        |                                               | Depth (ft)                               | Reading                                     | Interval (ft)       | Sample Time |
| 0 5                            | Dry      | 0.0-0.5                  | Medium to fine SAND, tan to orange, trace fine gravel. |                                               | 0-2                                      | < 0.1                                       | 0-2                 | NS          |
|                                |          | 0.5-5                    |                                                        |                                               | 2-4                                      | < 0.1                                       | 2-4                 | NS          |
| 5 10                           | Dry      |                          | 5.0-10.0                                               | Medium SAND, orange brown, trace fine gravel. | 4-6                                      | < 0.1                                       |                     |             |
|                                |          | 6-8                      |                                                        |                                               | < 0.1                                    |                                             |                     |             |
|                                |          |                          |                                                        | 8-10                                          | < 0.1                                    |                                             |                     |             |
|                                |          |                          |                                                        |                                               |                                          |                                             |                     |             |
| NOTES                          |          |                          |                                                        | USCS SOIL CLASSIFICATION                      |                                          |                                             |                     |             |
| ft = feet                      |          |                          |                                                        | CH (Fat Clay)                                 |                                          | OH (Organic Clay / Silt of High Plasticity) |                     |             |
| SAA = Same as above            |          |                          |                                                        | CL (Lean Clay)                                |                                          | OL (Organic Clay / Silt of Low Plasticity)  |                     |             |
| NA = Not applicable            |          |                          |                                                        | GC (Clayey Gravel)                            |                                          | PT (Highly Organic Soil / Peat)             |                     |             |
| PID = Photoionization Detector |          |                          |                                                        | GM ( Silty Gravel)                            |                                          | SC (Clayey Sand)                            |                     |             |
| ppm = parts per million        |          |                          |                                                        | GP (Poorly Graded Gravel)                     |                                          | SM (Silty Sand)                             |                     |             |
|                                |          |                          |                                                        | GW (Well-Graded Gravel)                       |                                          | SP (Poorly Graded Sand)                     |                     |             |
|                                |          |                          |                                                        | MH (Elastic Silt)                             |                                          | SW (Well-Graded Sand)                       |                     |             |
|                                |          |                          |                                                        | ML (Silt)                                     |                                          |                                             |                     |             |

|                                |                        |                          |                                                        |                                                                                                            |                                          |                                             |                     |             |       |
|--------------------------------|------------------------|--------------------------|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------|------------------------------------------|---------------------------------------------|---------------------|-------------|-------|
| Project:                       |                        |                          | HRP ASSOCIATES, INC.                                   |                                                                                                            | Test Boring ID/Monitoring Well ID: TP-11 |                                             |                     |             |       |
| Location: 17 Town Hall Road    |                        |                          | TEST PIT SOIL LOG                                      |                                                                                                            |                                          |                                             |                     |             |       |
| HRP Job No.: TRU2501.P2        |                        |                          | Rig Type: N/A                                          |                                                                                                            | Sheet No. 1 of 1                         |                                             |                     |             |       |
| Date: 7/11/2024                |                        |                          |                                                        |                                                                                                            | Driller: N/A                             |                                             |                     |             |       |
| HRP Rep. SL & AB               |                        |                          | PROPORTIONS                                            |                                                                                                            |                                          |                                             |                     |             |       |
| Total Test Pit Depth: 10 ft    |                        |                          | trace: 0 to 10%                                        | some: 20 to 35%                                                                                            |                                          |                                             |                     |             |       |
| Depth to Bedrock: Unknown      |                        |                          | little: 10 to 20%                                      | and: 35 to 50%                                                                                             |                                          |                                             |                     |             |       |
| Sampler Depth<br>interval (ft) | Moisture               | Contact<br>Interval (ft) | Soil Description (proportions, grain size, etc.)       |                                                                                                            | PID (ppm)                                |                                             | Soil Sample Details |             |       |
|                                |                        |                          |                                                        |                                                                                                            | Depth (ft)                               | Reading                                     | Interval (ft)       | Sample Time |       |
| 0 5<br><br><br><br>5 10        | Dry<br><br><br><br>Dry | 0.0-0.5                  | Medium to fine SAND, tan to orange, trace fine gravel. |                                                                                                            | 0-2                                      | < 0.1                                       |                     |             |       |
|                                |                        | 0.5-5                    |                                                        |                                                                                                            | 2-4                                      | < 0.1                                       |                     |             |       |
|                                |                        |                          |                                                        |                                                                                                            | 4-6                                      | < 0.1                                       |                     |             |       |
|                                |                        | 5.0-10.0                 | 5.0-10.0                                               | Medium SAND, orange brown, trace fine gravel. PVC cables and copper wire at 2-3 fbg. Removed for disposal. |                                          | 6-8                                         |                     |             | < 0.1 |
|                                |                        |                          |                                                        |                                                                                                            |                                          | 8-10                                        |                     |             | < 0.1 |
|                                |                        |                          |                                                        |                                                                                                            |                                          |                                             |                     |             |       |
| NOTES                          |                        |                          |                                                        | USCS SOIL CLASSIFICATION                                                                                   |                                          |                                             |                     |             |       |
| ft = feet                      |                        |                          |                                                        | CH (Fat Clay)                                                                                              |                                          | OH (Organic Clay / Silt of High Plasticity) |                     |             |       |
| SAA = Same as above            |                        |                          |                                                        | CL (Lean Clay)                                                                                             |                                          | OL (Organic Clay / Silt of Low Plasticity)  |                     |             |       |
| NA = Not applicable            |                        |                          |                                                        | GC (Clayey Gravel)                                                                                         |                                          | PT (Highly Organic Soil / Peat)             |                     |             |       |
| PID = Photoionization Detector |                        |                          |                                                        | GM ( Silty Gravel)                                                                                         |                                          | SC (Clayey Sand)                            |                     |             |       |
| ppm = parts per million        |                        |                          |                                                        | GP (Poorly Graded Gravel)                                                                                  |                                          | SM (Silty Sand)                             |                     |             |       |
|                                |                        |                          |                                                        | GW (Well-Graded Gravel)                                                                                    |                                          | SP (Poorly Graded Sand)                     |                     |             |       |
|                                |                        |                          |                                                        | MH (Elastic Silt)                                                                                          |                                          | SW (Well-Graded Sand)                       |                     |             |       |
|                                |                        |                          |                                                        | ML (Silt)                                                                                                  |                                          |                                             |                     |             |       |

|                                |          |                          |                                                                                                                                                          |                                          |         |                     |             |
|--------------------------------|----------|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|---------|---------------------|-------------|
| Project:                       |          | HRP ASSOCIATES, INC.     |                                                                                                                                                          | Test Boring ID/Monitoring Well ID: TP-12 |         |                     |             |
| Location: 17 Town Hall Road    |          | TEST PIT SOIL LOG        |                                                                                                                                                          |                                          |         |                     |             |
| HRP Job No.: TRU2501.P2        |          | Rig Type: N/A            |                                                                                                                                                          | Sheet No. 1 of 1                         |         |                     |             |
| Date: 7/11/2024                |          |                          |                                                                                                                                                          | Driller: N/A                             |         |                     |             |
| HRP Rep. SL & AB               |          | PROPORTIONS              |                                                                                                                                                          |                                          |         |                     |             |
| Total Test Pit Depth: 5 ft     |          | trace: 0 to 10%          | some: 20 to 35%                                                                                                                                          |                                          |         |                     |             |
| Depth to Bedrock: Unknown      |          | little: 10 to 20%        | and: 35 to 50%                                                                                                                                           |                                          |         |                     |             |
| Sampler Depth<br>interval (ft) | Moisture | Contact<br>Interval (ft) | Soil Description (proportions, grain size, etc.)                                                                                                         | PID (ppm)                                |         | Soil Sample Details |             |
|                                |          |                          |                                                                                                                                                          | Depth (ft)                               | Reading | Interval (ft)       | Sample Time |
|                                |          |                          |                                                                                                                                                          | 0-2                                      | 0.6     | 2-4                 | 1315        |
|                                |          |                          |                                                                                                                                                          | 2-4                                      | 0.6     |                     |             |
| 4-6                            | 0.4      |                          |                                                                                                                                                          |                                          |         |                     |             |
| 05                             | Dry      | 0.0-0.5<br><br>0.5-5     | ASPHALT, black.<br><br>Medium SAND, medium brown, orange to tan, little fine to medium gravel. Plow blades encountered at 3 ft. and removed for disposal |                                          |         |                     |             |
|                                |          |                          | PID background levels consistently reading at 0.5 to 0.6 ppm.                                                                                            |                                          |         |                     |             |
| NOTES                          |          |                          | USCS SOIL CLASSIFICATION                                                                                                                                 |                                          |         |                     |             |
| ft = feet                      |          |                          | CH (Fat Clay) OH (Organic Clay / Silt of High Plasticity)                                                                                                |                                          |         |                     |             |
| SAA = Same as above            |          |                          | CL (Lean Clay) OL (Organic Clay / Silt of Low Plasticity)                                                                                                |                                          |         |                     |             |
| NA = Not applicable            |          |                          | GC (Clayey Gravel) PT (Highly Organic Soil / Peat)                                                                                                       |                                          |         |                     |             |
| PID = Photoionization Detector |          |                          | GM ( Silty Gravel) SC (Clayey Sand)                                                                                                                      |                                          |         |                     |             |
| ppm = parts per million        |          |                          | GP (Poorly Graded Gravel) SM (Silty Sand)                                                                                                                |                                          |         |                     |             |
|                                |          |                          | GW (Well-Graded Gravel) SP (Poorly Graded Sand)                                                                                                          |                                          |         |                     |             |
|                                |          |                          | MH (Elastic Silt) SW (Well-Graded Sand)                                                                                                                  |                                          |         |                     |             |
|                                |          |                          | ML (Silt)                                                                                                                                                |                                          |         |                     |             |



## Well Construction Log



Measuring Point is  
Top of Well Casing  
Unless Otherwise Noted.

\* Depth Below Land Surface

Project TRU2501.P2 Well MW-1

Town/City 17 Town Hall Road

County Truro State MA

Permit No. \_\_\_\_\_

Land-Surface Elevation and Datum:

\_\_\_\_\_ feet ☐ Surveyed

☐ Estimated

Installation Date(s) 8/1/2024

Drilling Method Hollow Stem Auger

Drilling Contractor Desmond Drilling

Drilling Fluid NA

Development Technique(s) and Date(s)

Submersible Pump 8/2/2024

Fluid Loss During Drilling NA gallons

Water Removed During Development 30 gallons

Static Depth to Water 117.02 feet below M.P.

Pumping Depth to Water \_\_\_\_\_ feet below M.P.

Pumping Duration 1 hours

Yield 0.5 gpm Date 8/2/2024

Specific Capacity \_\_\_\_\_ gpm/ft

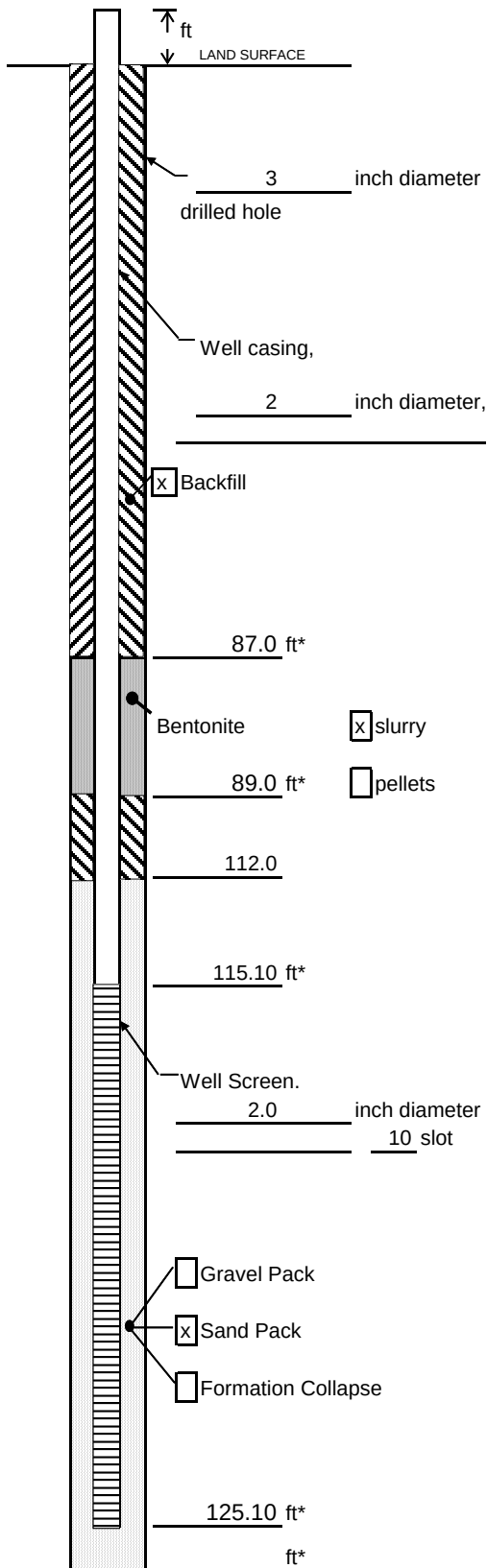
Well Purpose monitoring

Remarks \_\_\_\_\_

Prepared by \_\_\_\_\_



## Well Construction Log



Measuring Point is  
Top of Well Casing  
Unless Otherwise Noted.

\* Depth Below Land Surface

Project TRU2501.P2 Well MW-2

Town/City 17 Town Hall Road

County Truro State MA

Permit No. \_\_\_\_\_

Land-Surface Elevation and Datum:

\_\_\_\_\_ feet ☐ Surveyed

☐ Estimated

Installation Date(s) 7/31/2024

Drilling Method Hollow Stem Auger

Drilling Contractor Desmond Drilling

Drilling Fluid NA

Development Technique(s) and Date(s)

Submersible Pump 8/2/2024

Fluid Loss During Drilling NA gallons

Water Removed During Development 30 gallons

Static Depth to Water 121.89 feet below M.P.

Pumping Depth to Water \_\_\_\_\_ feet below M.P.

Pumping Duration 1 hours

Yield 0.5 gpm Date 8/2/2024

Specific Capacity \_\_\_\_\_ gpm/ft

Well Purpose monitoring

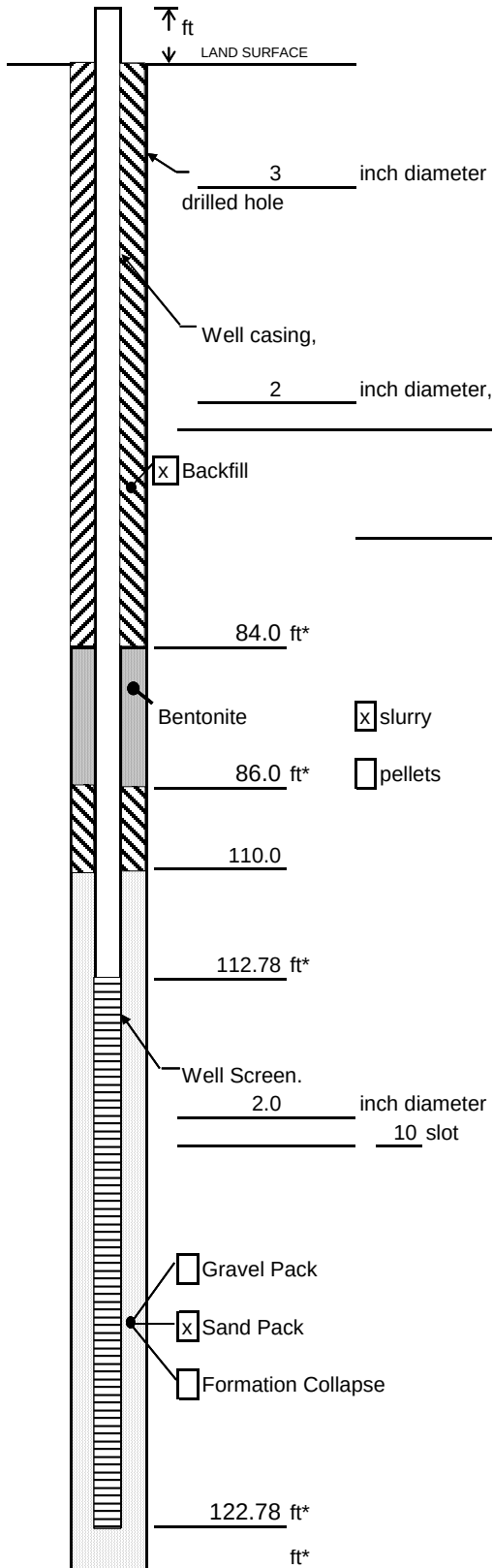
Remarks \_\_\_\_\_

Prepared by \_\_\_\_\_





## Well Construction Log



Measuring Point is  
Top of Well Casing  
Unless Otherwise Noted.

\* Depth Below Land Surface

Project TRU2501.P2 Well MW-3

Town/City 17 Town Hall Road

County Truro State MA

Permit No. \_\_\_\_\_

Land-Surface Elevation and Datum:

\_\_\_\_\_ feet ☐ Surveyed

☐ Estimated

Installation Date(s) 7/29-7/31/24

Drilling Method Hollow Stem Auger

Drilling Contractor Desmond Drilling

Drilling Fluid NA

Development Technique(s) and Date(s)

Submersible Pump 8/2/2024

Fluid Loss During Drilling NA gallons

Water Removed During Development 25 gallons

Static Depth to Water 117.27 feet below M.P.

Pumping Depth to Water \_\_\_\_\_ feet below M.P.

Pumping Duration 1 hours

Yield 0.5 gpm Date 8/2/2024

Specific Capacity \_\_\_\_\_ gpm/ft

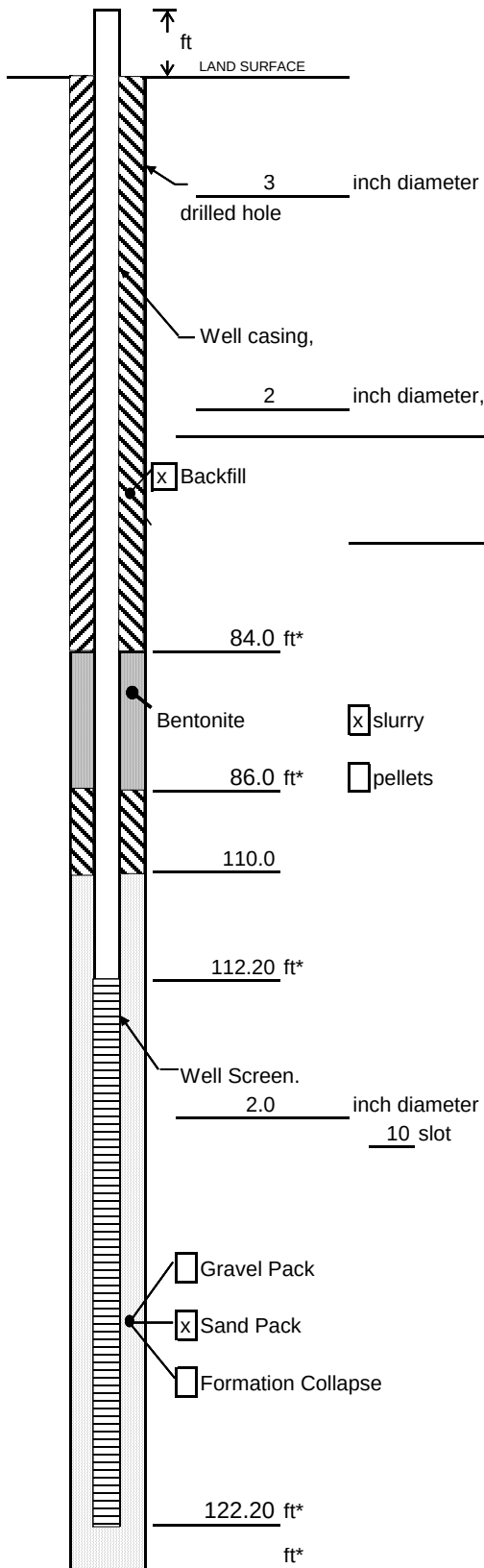
Well Purpose monitoring

Remarks \_\_\_\_\_

Prepared by \_\_\_\_\_



## Well Construction Log



Measuring Point is  
Top of Well Casing  
Unless Otherwise Noted.

\* Depth Below Land Surface

Project TRU2501.P2 Well MW-4

Town/City 17 Town Hall Road

County Truro State MA

Permit No. \_\_\_\_\_

Land-Surface Elevation and Datum:

\_\_\_\_\_ feet ☐ Surveyed  
☐ Estimated

Installation Date(s) 8/1/2024

Drilling Method Hollow Stem Auger

Drilling Contractor Desmond Drilling

Drilling Fluid NA

Development Technique(s) and Date(s)

Submersible Pump 8/6/2024

\_\_\_\_\_

\_\_\_\_\_

Fluid Loss During Drilling NA gallons

Water Removed During Development 12 gallons

Static Depth to Water 120.31 feet below M.P.

Pumping Depth to Water \_\_\_\_\_ feet below M.P.

Pumping Duration 1 hours

Yield 0.2 gpm Date 8/6/2024

Specific Capacity \_\_\_\_\_ gpm/ft

Well Purpose monitoring

Remarks Total 10 gallons added to well throughout purge

\_\_\_\_\_

\_\_\_\_\_

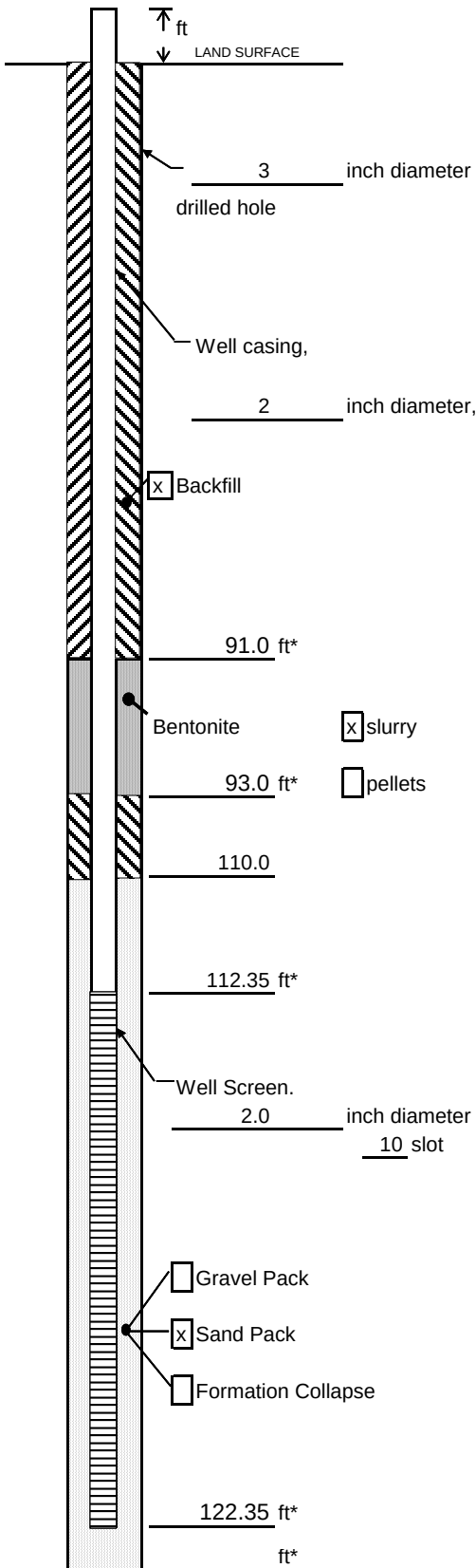
\_\_\_\_\_

\_\_\_\_\_

Prepared by \_\_\_\_\_



## Well Construction Log



Measuring Point is  
Top of Well Casing  
Unless Otherwise Noted.

\* Depth Below Land Surface

Project TRU2501.P2 Well MW-5

Town/City 17 Town Hall Road

County Truro State MA

Permit No. \_\_\_\_\_

Land-Surface Elevation and Datum:

\_\_\_\_\_ feet ☐ Surveyed

☐ Estimated

Installation Date(s) 8/2/2024

Drilling Method Hollow Stem Auger

Drilling Contractor Desmond Drilling

Drilling Fluid NA

Development Technique(s) and Date(s)

Submersible Pump 8/6/2024

Fluid Loss During Drilling NA gallons

Water Removed During Development 25 gallons

Static Depth to Water 116.91 feet below M.P.

Pumping Depth to Water \_\_\_\_\_ feet below M.P.

Pumping Duration 0.5 hours

Yield 0.21 gpm Date 8/6/2024

Specific Capacity \_\_\_\_\_ gpm/ft

Well Purpose monitoring

Remarks \_\_\_\_\_

Prepared by \_\_\_\_\_

# APPENDIX D

## PHOTOGRAPHIC LOG



**Photo 1: TP-5 Pre-excitation**

July 11, 2024



**Photo 2: 275-gallon tank in TP-5**

July 11, 2024



**Photo 3: View of petroleum in TP-5 beneath tank and drums**

July 11, 2024



**Photo 4: View of continued excavation and stockpile in TP-5**

July 11, 2024





**Photo 5: TP-5 demarcation placement and backfilling with clean soil**

July 11, 2024



**Photo 6: View of tank and drums removed from TP-5 excavation and placed into lined containment**

July 11, 2024



**Photo 7: Temporary storage of tank and drums before decontamination and off-Site disposal**

July 11, 2024



**Photo 8: View of TP-5 soil stockpile before covering and Off-Site thermal desorption**

July 11, 2024





**Photo 9: View of covered soil stockpile removed from TP-5**

July 11, 2024



**Photo 10: View of TP-5 excavation backfilling with clean soil**

July 11, 2024



**Photo 11: View of tank and drums after cleaning being prepared for scrap recycling**

July 18, 2024



**Photo 12: Cleaning of tank and drum containment area**

July 18, 2024





**Photo 13: View of geoprobe inside salt shed**  
July 19, 2024



**Photo 14: View of geoprobe advancing borings in and around TP-5 excavation area**  
July 19, 2024



**Photo 15: View of well installation in TP-5 excavation area**  
July 29, 2024



**Photo 16: View of completed monitoring well location**  
August 6, 2024



# APPENDIX E

## PUBLIC WATER SUPPLY WELL REGISTRATION AND 2023 MONITORING REPORT

COMMONWEALTH OF MASSACHUSETTS  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**  
**DRINKING WATER PROGRAM**

100 CAMBRIDGE STREET, SUITE 900, BOSTON, MA 02114 • (617) 292-5770



**2024**  
**Certificate of Registration**

The Department of Environmental Protection  
Drinking Water Program  
Hereby Recognizes the

**TRURO TOWN HALL**  
**PWS ID # 4300041**

as a Registered Public Water System in Massachusetts.  
Public Water Systems must comply with  
the Massachusetts Drinking Water Regulations,  
310 CMR 22.00.

A handwritten signature in black ink, reading "Yvette dePeiza".

Yvette dePeiza, Program Director  
Drinking Water Program

Certificate expires December 31, 2024

Please contact the Drinking Water Program if there are any changes in this system.

MassDEP: <https://www.mass.gov/massdep-contacts-service-center>

2023 DRINKING WATER QUALITY REPORT  
For the period January 1, 2022 to December 31, 2022

TRURO TOWN HALL  
PWS ID: 4300041  
24 TOWN HALL RD  
TRURO MA 02666

The drinking water system at the facility noted above is registered in the Commonwealth as a transient non-community (TNC) public water system because it owns and/or controls its source of water and supplies potable water to 25 or more persons at least 60 days of the year. Examples of TNCs include restaurants, motels, campgrounds, parks, golf courses, ski areas and community centers.

All drinking water, including bottled water, may contain small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk.

The drinking water quality monitoring results on file with the Massachusetts Department of Environmental Protection Drinking Water Program (MassDEP/DWP) for this public water system and period noted above are as follows:

MONITORING RESULTS TABLE

| CONTAMINANT                   | HIGHEST DETECT VALUE <sup>1</sup> | MCL <sup>2</sup> | MCLG <sup>3</sup> | VIOLATION <sup>4</sup> (YES or NO) |                       | POSSIBLE SOURCES OF CONTAMINATION                                                                |
|-------------------------------|-----------------------------------|------------------|-------------------|------------------------------------|-----------------------|--------------------------------------------------------------------------------------------------|
|                               |                                   |                  |                   | MCL                                | FAILURE TO MONITOR ** |                                                                                                  |
| Total Coliform                | Absent                            | 0                | 0                 | N                                  | N                     | Naturally present in the environment.                                                            |
| Nitrate <small>(MG/L)</small> | 0.89                              | 10               | 10                | N                                  | N                     | Runoff from fertilizer use; leaching from septic tanks, sewage; and erosion of natural deposits. |
| Nitrite <small>(MG/L)</small> | < 0.007                           | 1                | 1                 | N                                  | N                     | Runoff from fertilizer use; leaching from septic tanks, sewage; and erosion of natural deposits. |
| Sodium <small>(MG/L)</small>  | 67                                | N/A              | N/A               | N/A                                | N                     | Naturally present in the environment; may also be due to salt runoff from deicing practices.     |
| Other Contaminant Violations  | See additional page(s).           |                  |                   |                                    |                       |                                                                                                  |

<sup>1</sup> **Detect** – any levels found at or above the detection limits in the Massachusetts Drinking Water Regulations, 310 CMR 22.00.

<sup>2</sup> **Maximum Contaminant Level (MCL)** – the highest level of a contaminant that is allowed in drinking water.

<sup>3</sup> **Maximum Contaminant Level Goal (MCLG)** – the level of a contaminant in drinking water below which there is no known or expected risk to health.

<sup>4</sup> **For any violations**, Refer to the following health effects language listed below and contact the system’s contact person for information on corrective actions taken by the system to return to compliance and stay in compliance in the future:

**Total Coliform** – Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful, bacteria are present. Coliforms were found in more samples than allowed and this was a warning of potential problems.

**Nitrate** – Infants below the age of six months who drink water containing nitrate in excess of the MCL could become seriously ill and, if untreated, may die. Symptoms include shortness of breath and blue-baby syndrome.

**Nitrite** - Infants below the age of six months who drink water containing nitrite in excess of the MCL could become seriously ill and, if untreated, may die. Symptoms include shortness of breath and blue-baby syndrome.

\*\* If “Y”, one or more times during the reporting period this system did not monitor and/or report to the MassDEP as required.

“ We are required to monitor your drinking water for specific contaminants on a regular basis. Results of the regular monitoring are an indicator of whether or not our drinking water meets health standards. During the above noted reporting period we did not monitor or test and/or did not complete all monitoring or testing for contaminant(s) noted above and therefore cannot be sure of the quality of our drinking water during that time. “

The posting of this report meets the public notification Tier 3 requirements of 310 CMR 22.16(4).

For more information, or the complete monitoring results for this system:

|                              |                                      |             |
|------------------------------|--------------------------------------|-------------|
| Owner/responsible party name | Signature of owner/responsible party | Telephone # |
| Certified Operator Name      | Signature of certified operator      | License #   |

If you have any questions on the Massachusetts Drinking Water Program contact the MA DEP, Drinking Water Program at (617) 292-5770, email [program.director-dwp@mass.gov](mailto:program.director-dwp@mass.gov) (subject: TNC CCR) or visit the MassDEP web site at [www.mass.gov/orgs/massachusetts-department-of-environmental-protection](http://www.mass.gov/orgs/massachusetts-department-of-environmental-protection). Contact the EPA Safe Drinking Water Hotline at (800) 426-4791 for more information about contaminants and potential health effects.

Date Drinking Water Quality Report posted Location posted

2023 DRINKING WATER QUALITY REPORT  
For the period January 1, 2022 to December 31, 2022

TRURO TOWN HALL  
PWS ID: 4300041  
24 TOWN HALL RD  
TRURO MA 02666

Other Contaminants

TNC systems must routinely test for coliform bacteria, nitrate, nitrite and sodium (these results are listed on the first page). MassDEP may require and/or a TNC system may elect to conduct additional testing as needed. Below is a list of other contaminants found in the water from additional testing during the reporting period.

All drinking water, including bottled water, may contain small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk.

These results are on file with the Massachusetts Department of Environmental Protection Drinking Water Program (MassDEP/DWP). For more information please contact the persons listed on the first page.

MONITORING RESULTS TABLE

| CONTAMINANT                               | HIGHEST DETECT VALUE <sup>1</sup> | MCL <sup>2</sup> | MCLG <sup>3</sup> | VIOLATION <sup>4</sup><br>(YES or NO) |                       | POSSIBLE SOURCES OF CONTAMINATION |
|-------------------------------------------|-----------------------------------|------------------|-------------------|---------------------------------------|-----------------------|-----------------------------------|
|                                           |                                   |                  |                   | MCL                                   | FAILURE TO MONITOR ** |                                   |
| PERFLUOROBUTANESULFONIC ACID-PFBS (NG/L)  | 1.89                              |                  |                   | N                                     | N                     |                                   |
| PERFLUOROHEXANESULFONIC ACID-PFHXS (NG/L) | 7.27                              | 20               |                   | N                                     | N                     |                                   |
| PERFLUOROHEXANOIC ACID - PFHXA (NG/L)     | 1.19                              |                  |                   | N                                     | N                     |                                   |
| PFAS6 (NG/L)                              | 7.27                              | 20               |                   | N                                     | N                     |                                   |

<sup>1</sup> **Detect** – any levels found at or above the detection limits in the Massachusetts Drinking Water Regulations, 310 CMR 22.00.

<sup>2</sup> **Maximum Contaminant Level (MCL)** – the highest level of a contaminant that is allowed in drinking water.

**Office of Research and Standards Guideline (ORSG)** – MassDEP health-based guideline.

**Secondary Maximum Contaminant Level (SMCL)** – typically aesthetic standards that represent reasonable goals for drinking water quality. See 310 CMR 22.07D for situations that may warrant enforcement of these levels.

**Treatment Technique (TT)** – A required process intended to reduce the level of a contaminant in drinking water.

<sup>3</sup> **Maximum Contaminant Level Goal (MCLG)** – the level of a contaminant in drinking water below which there is no known or expected risk to health.

<sup>4</sup> **For any violations**, health effects language for these contaminants is available from the owner/operator of this Public Water System upon request and can also be found in Attachments C and D of Appendix M of the *Guidelines and Policies for Public Water Systems* (see link below).

\*\* If “Y”, one or more times during the reporting period this system did not monitor and/or report to the MassDEP as required.

“ We are required to monitor your drinking water for specific contaminants on a regular basis. Results of the regular monitoring are an indicator of whether or not our drinking water meets health standards. During the above noted reporting period we did not monitor or test and/or did not complete all monitoring or testing for contaminant(s) noted above and therefore cannot be sure of the quality of our drinking water during that time. “

The posting of this report meets the public notification Tier 3 requirements of 310 CMR 22.16(4).



Appendix M - *Guidelines and Policies for Public Water Systems*  
<https://www.mass.gov/doc/consumer-confidence-reporting-requirements> (1.91 MB)

2023 DRINKING WATER QUALITY REPORT

For the period January 1, 2022 to December 31, 2022

TRURO TOWN HALL

PWS ID: 4300041

24 TOWN HALL RD

TRUROMA02666

Per- and Polyfluoroalkyl Substances (PFAS)

Per- and polyfluoroalkyl substances (PFAS) are a family of chemicals widely used in common consumer products such as food packaging, outdoor clothing, carpets, leather goods, ski and snowboard waxes, and more. PFAS can leach into groundwater or surface water from surface soils contaminated with PFAS. When ingested, some PFAS can build up in the body, and over time, these PFAS may increase to a level where health effects could occur.

The PFAS Maximum Contaminant Level (MCL) of 0.000020 milligrams per liter (mg/l) or 20 ppt for the sum of six PFAS compounds (PFOS, PFOA, PFHxS, PFNA, PFHpA, and PFDA) known as PFAS6 is not applicable to transient non-community (TNC) systems, but TNCs are required to comply with the special applicability requirements of 310 CMR 22.07G(2): *Every Supplier of Water operating a Transient, Non-Community Water System shall collect, analyze and report the results of one sample from each Sampling Point, or alternate sampling location required by the Department pursuant to 310 CMR 22.07G(4)(a) or (b), no later than September 30, 2022. All such monitoring shall be performed in compliance with the provisions addressing monitoring protocols, invalidation of PFAS samples, PFAS analytical requirements, PFAS reporting requirements, PFAS6 minimum reporting levels and electronic filing requirements set forth in 310 CMR 22.07G(4), (9), (12), (13), (16), (17).*

These results are on file with the Massachusetts Department of Environmental Protection Drinking Water Program (MassDEP/DWP). For more information please contact the persons listed on the first page.

REGULATED PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) RESULTS TABLE

| CONTAMINANT                                                                                                                                                                                          | DETECT RANGE <sup>1</sup> | AVERAGE<br>DETECT <sup>2</sup> | POSSIBLE SOURCES OF<br>CONTAMINATION                                                                                                                                                                                                                                                                                                | HEALTH EFFECTS                                                                                                                                                                                                                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PFAS6 *                                                                                                                                                                                              | 7.3 to 7.3                | 7.3                            | Discharges and emissions from industrial and manufacturing sources associated with the production or use of these PFAS, including production of moisture and oil resistant coatings on fabrics and other materials. Additional sources include the use and disposal of products containing these PFAS, such as fire-fighting foams. | Some people who drink water containing these PFAS at elevated levels may experience certain adverse effects. These could include effects on the liver, blood, immune system, thyroid, and fetal development. These PFAS may also elevate the risk of certain cancers. |
| Transient Non-Community (TNC) systems are not required to meet the MCL of 20 ppt for PFAS6. MassDEP may perform a site-specific health risk assessment per 310 CMR 22.03(8) for results over 20 ppt. |                           |                                |                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                       |

\* Sum of PERFLUORODECANOIC ACID (**PFDA**), PERFLUOROHEPTANOIC ACID (**PFHpA**), PERFLUOROHEXANESULFONIC ACID (**PFHxS**), PERFLUORONONANOIC ACID (**PFNA**), PERFLUOROOCTANESULFONIC ACID (**PFOS**), PERFLUOROOCTANOIC ACID (**PFOA**). PFAS6 was regulated on October 2, 2020.

<sup>1</sup> The lowest and highest detected values. A single value means only one sample was taken.

<sup>2</sup> The average detected amount of PFAS6. This is calculated by adding all detected amounts and dividing by the number of samples taken.

UNREGULATED PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) RESULTS TABLE

| CONTAMINANT (CASRN)                                                            | DETECT RANGE <sup>1</sup> | AVERAGE<br>DETECT <sup>2</sup> | ORSG <sup>3</sup> | POSSIBLE SOURCE OF<br>CONTAMINATION | HEALTH EFFECTS |
|--------------------------------------------------------------------------------|---------------------------|--------------------------------|-------------------|-------------------------------------|----------------|
| 11-CHLOROEICOSAFLUORO-3-OXAUNDECANE-1-SULFONIC ACID-11CL-PF3OUDS (763051-92-9) | ND                        | ND                             | †                 |                                     |                |
| 4,8-DIOXA-3H-PERFLUORONONANOIC ACID - ADONA (919005-14-4)                      | ND                        | ND                             | †                 |                                     |                |
| 9-CHLOROHEXADECAFLUORO-3-OXANONE-1-SULFONIC ACID-9CL-PF3ONS (756426-58-1)      | ND                        | ND                             | †                 |                                     |                |
| HEXAFLUOROPROPYLENE OXIDE DIMER ACID - HFPO-DA (13252-13-6)                    | ND                        | ND                             | †                 |                                     |                |
| N-ETHYL PERFLUOROOCTANESULFONAMIDOACE TIC ACID - NETFOSAA (2991-50-6)          | ND                        | ND                             | †                 |                                     |                |

2023 DRINKING WATER QUALITY REPORT  
For the period January 1, 2022 to December 31, 2022

TRURO TOWN HALL  
PWS ID: 4300041  
24 TOWN HALL RD  
TRURO MA 02666

|                                                                              |            |     |   |  |  |
|------------------------------------------------------------------------------|------------|-----|---|--|--|
| N-METHYL<br>PERFLUOROOCTANESULFONAMIDOACE<br>TIC ACID - NMEFOSAA (2355-31-9) | ND         | ND  | † |  |  |
| PERFLUOROBUTANESULFONIC ACID-<br>PFBS (375-73-5)                             | 1.9 to 1.9 | 1.9 | † |  |  |
| PERFLUORODODECANOIC ACID -<br>PFDOA (307-55-1)                               | ND         | ND  | † |  |  |
| PERFLUOROHEXANOIC ACID - PFHXA<br>(307-24-4)                                 | 1.2 to 1.2 | 1.2 | † |  |  |
| PERFLUOROTETRADECANOIC ACID -<br>PFTA (376-06-7)                             | ND         | ND  | † |  |  |
| PERFLUOROTRIDECANOIC ACID -<br>PFTRDA (72629-94-8)                           | ND         | ND  | † |  |  |
| PERFLUOROUNDECANOIC ACID -<br>PFUNA (2058-94-8)                              | ND         | ND  | † |  |  |

\* PFDA, PFHpA, PFHxS, PFNA, PFOS, PFNA were unregulated chemicals from January 1 – October 1, 2020 and had an ORSG of 20 ppt. On October 2, 2020 these chemicals became regulated with an MCL of 20 ppt. Any detects found after that time are reported in the regulated table above as PFAS6.

‡ Sum of PERFLUORODECANOIC ACID (**PFDA**), PERFLUOROHEPTANOIC ACID (**PFHpA**), PERFLUOROHEXANESULFONIC ACID (**PFHxS**), PERFLUORONONANOIC ACID (**PFNA**), PERFLUOROOCTANESULFONIC ACID (**PFOS**), PERFLUOROOCTANOIC ACID (**PFOA**). PFAS6 was regulated on October 2, 2020.

† There is no ORS Guideline for this compound.

<sup>1</sup>The lowest and highest detected values. A single value means only one sample was taken.

<sup>2</sup>The average of all sample results between January 1 to December 31, 2021. This is calculated by adding all detected amounts and dividing by the number of samples taken.

<sup>3</sup>Office of Research and Standards Guideline (ORSG) - MassDEP health-based guideline.



Appendix M - *Guidelines and Policies for Public Water Systems*  
<https://www.mass.gov/doc/consumer-confidence-reporting-requirements> (1.91 MB)

# APPENDIX F

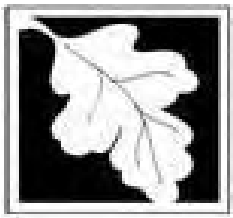
## SOIL AND DRUMMED WASTE DISPOSAL RECORDS

729992  
Please print or type.

5699827  
Form Approved. OMB No. 2050-0039

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                       |                                                                                                                |  |                          |                                                              |           |                                                     |                                  |                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|--|--------------------------|--------------------------------------------------------------|-----------|-----------------------------------------------------|----------------------------------|-----------------|
| <b>UNIFORM HAZARDOUS WASTE MANIFEST</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                       | 1. Generator ID Number<br><b>M V 5 0 8 3 4 0 2 1 4 0</b>                                                       |  | 2. Page 1 of<br><b>1</b> | 3. Emergency Response Phone<br><b>508-828-1005</b>           |           | 4. Manifest Tracking Number<br><b>017989526 FLE</b> |                                  |                 |
| 5. Generator's Name and Mailing Address<br><b>Town of Truro<br/>17 Town Hall Road<br/>Truro MA 02666-0000</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                       |                                                                                                                |  |                          | Generator's Site Address (if different than mailing address) |           |                                                     |                                  |                 |
| Generator's Phone: <b>5 0 8 2 1 4 - 0 4 0 0</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                       |                                                                                                                |  |                          |                                                              |           |                                                     |                                  |                 |
| 6. Transporter 1 Company Name<br><b>GLOBAL REMEDIATION SERVICES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                       |                                                                                                                |  |                          | U.S. EPA ID Number<br><b>MAC300012903</b>                    |           |                                                     |                                  |                 |
| 7. Transporter 2 Company Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                       |                                                                                                                |  |                          | U.S. EPA ID Number                                           |           |                                                     |                                  |                 |
| 8. Designated Facility Name and Site Address<br><b>Northland Environmental, LLC<br/>275 Allens Avenue<br/>Providence RI 02905-0000</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                       |                                                                                                                |  |                          | U.S. EPA ID Number<br><b>RID040098352</b>                    |           |                                                     |                                  |                 |
| Facility's Phone: <b>401 781-6340</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                       |                                                                                                                |  |                          |                                                              |           |                                                     |                                  |                 |
| GENERATOR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 9a. HM                                                                                                                                                                                                                | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) |  |                          | 10. Containers<br>No. Type                                   |           | 11. Total Quantity                                  | 12. Unit Wt./Vol.                | 13. Waste Codes |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                       | 1. State Regulated Material (Oil Absorbents)                                                                   |  |                          | 5 DM                                                         |           | 2200                                                | P                                | MA01 R015       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                       | 2. State Regulated Material (Oil & Water)                                                                      |  |                          | DM                                                           |           |                                                     | G                                | MA01 R015       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                       | 3.                                                                                                             |  |                          |                                                              |           |                                                     |                                  |                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                       | 4.                                                                                                             |  |                          |                                                              |           |                                                     |                                  |                 |
| 14. Special Handling Instructions and Additional Information<br><b>1) e-Manifest to: Jarrod Cabral - jcabral@truro-ma.gov 2)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                       |                                                                                                                |  |                          |                                                              |           |                                                     |                                  |                 |
| 15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.<br>I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. |                                                                                                                                                                                                                       |                                                                                                                |  |                          |                                                              |           |                                                     |                                  |                 |
| Generator's/Offeror's Printed/Typed Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                       |                                                                                                                |  |                          | Signature                                                    |           | Month Day Year<br><b>8 14 24</b>                    |                                  |                 |
| TRANSPORTER INT'L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____                                                      |                                                                                                                |  |                          |                                                              |           |                                                     |                                  |                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 17. Transporter Acknowledgment of Receipt of Materials                                                                                                                                                                |                                                                                                                |  |                          |                                                              |           |                                                     |                                  |                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Transporter 1 Printed/Typed Name<br><b>Jim Connolly</b>                                                                                                                                                               |                                                                                                                |  |                          |                                                              | Signature |                                                     | Month Day Year<br><b>8 14 24</b> |                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Transporter 2 Printed/Typed Name                                                                                                                                                                                      |                                                                                                                |  |                          |                                                              | Signature |                                                     | Month Day Year                   |                 |
| DESIGNATED FACILITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 18. Discrepancy                                                                                                                                                                                                       |                                                                                                                |  |                          |                                                              |           |                                                     |                                  |                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection |                                                                                                                |  |                          |                                                              |           |                                                     |                                  |                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Manifest Reference Number: _____                                                                                                                                                                                      |                                                                                                                |  |                          |                                                              |           |                                                     |                                  |                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 18b. Alternate Facility (or Generator) U.S. EPA ID Number                                                                                                                                                             |                                                                                                                |  |                          |                                                              |           |                                                     |                                  |                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Facility's Phone: _____                                                                                                                                                                                               |                                                                                                                |  |                          |                                                              |           |                                                     |                                  |                 |
| 18c. Signature of Alternate Facility (or Generator)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                       |                                                                                                                |  |                          |                                                              |           | Month Day Year                                      |                                  |                 |
| 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                       |                                                                                                                |  |                          |                                                              |           |                                                     |                                  |                 |
| 1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                       | 2.                                                                                                             |  | 3.                       |                                                              | 4.        |                                                     |                                  |                 |
| 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                       |                                                                                                                |  |                          |                                                              |           |                                                     |                                  |                 |
| Printed/Typed Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                       |                                                                                                                |  |                          | Signature                                                    |           | Month Day Year                                      |                                  |                 |





**BILL OF LADING (pursuant to 310 CMR 40.0030)**

Release Tracking Number

4 - 50454

**A. LOCATION OF SITE OR DISPOSAL SITE WHERE REMEDIATION WASTE WAS GENERATED:**

1. Release Name/Location Aid: TRURO DPW
2. Street Address: 17 TOWN HALL ROAD
3. City/Town: TRURO 4. Zip Code: 026660000
- ☐ 5. Check here if the disposal site that is the source of the release is Tier Classified. Check the current Tier Classification Category.
- ☐ a. Tier I ☐ b. Tier ID ☐ c. Tier II

**B. THIS FORM IS BEING USED TO:** (check one: B1-B4):

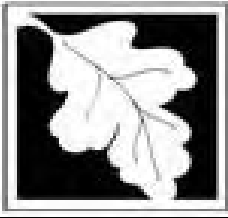
- ☒ 1. Submit a **Bill of Lading (BOL)** to transport Remediation Waste to Temporary Storage or a Receiving Facility.  
Response Actions associated with this BOL (check all that apply):
- ☒ a. Immediate Response Action (IRA) ☐ e. Comprehensive Response Actions
- ☐ b. Release Abatement Measure (RAM) ☐ f. Limited Removal Action (LRA): (must be retained pursuant to 310 CMR 40.0034(6); can't be submitted via eDEP)
- ☐ c. Downgradient Property Status (DPS) ☐ g. Other \_\_\_\_\_
- ☐ d. Utility Release Abatement Measure (URAM)
- ☐ 2. Submit an Attestation of Completion of **Shipment to Temporary Storage** (Sections C, F and J are not required):
- ☐ 3. Submit an Attestation of **Completion of Shipment to a Receiving Facility** (Sections C, F and J are not required):
- ☐ 4. Certify that Remediation Waste Was **Not Shipped, and the Bill of Lading is Void**. (Sections C, D, E, and F are not required)
5. Date Bill of Lading submitted to the Department: \_\_\_\_\_ b. eDEP Transaction ID: \_\_\_\_\_  
(mm/dd/yyyy)
6. Period of Generation Associated with this Bill of Lading 7/11/2024 to 7/11/2024  
(mm/dd/yyyy) (mm/dd/yyyy)

**(All sections of this transmittal form must be filled out unless otherwise noted above)**

The Bill of Lading is not considered complete until the Attestation of Completion of Shipment is received by the Department.

**C. DESCRIPTION OF WASTE AND WASTE SOURCE:**

1. Contaminated Media/Debris (check all that apply):
- ☒ a. Soil ☐ b. Groundwater ☐ c. Surface Water ☐ d. Sediment ☐ e. Vegetation or Organic Debris
- ☐ f. Demolition/Construction Waste ☐ g. Inorganic Absorbent Materials ☐ h. Other: \_\_\_\_\_
2. Uncontainerized Waste (check all that apply):
- ☐ a. Inorganic Absorbent Materials ☐ b. Other: \_\_\_\_\_



Massachusetts Department of Environmental Protection  
*Bureau of Waste Site Cleanup*

**BWSC 112**

Release Tracking Number

4 - 50454

**BILL OF LADING (pursuant to 310 CMR 40.0030)**

**C. DESCRIPTION OF WASTE AND WASTE SOURCE (cont.):**

3. Containerized Waste (check all that apply):

☐ a. Tank Bottoms/Sludges ☐ b. Containers ☐ c. Drums ☐ d. Engineered Impoundments

☐ e. Other: \_\_\_\_\_

4. Estimated Quantity: 45 ☐ Tons ☒ Cu. Yds. ☐ Gallons

5. Contaminant Source (check one):

☐ a. Transportation Accident ☐ b. Underground Storage Tank ☐ c. Brownfields Redevelopment

☒ d. Other: BURIED DRUMS AND TANK \_\_\_\_\_

6. Type of Contaminant (check all that apply):

☒ a. Gasoline ☐ b. Diesel Fuel ☒ c. #2 Fuel Oil ☐ d. #4 Fuel Oil ☐ e. #6 Fuel Oil ☐ f. Jet Fuel

☒ g. Waste Oil ☐ h. Kerosene ☐ i. Chlorinated Solvents ☐ j. Urban Fill ☐ k. Other: \_\_\_\_\_

7. Constituents of Concern (check all that apply):

☐ a. As ☐ b. Cd ☐ c. Cr ☐ d. Pb ☐ e. Hg ☒ f. EPH/TPH ☒ g. VPH

☐ h. PCBs ☒ i. VOCs ☒ j. SVOCs ☐ k. Other: \_\_\_\_\_

8. If applicable, check the box for the Reportable Concentration Category of the site:

☒ a. RCS-1 ☐ b. RCS-2 ☐ c. RCGW-1 ☐ d. RCGW-2

9. Remediation Waste Characterization Documentation (check at least one):

☒ a. Site History Information ☐ b. Sampling Analytical Methods and Procedures ☒ c. Laboratory Data

☒ d. Field Screening Data ☐ e. Characterization Documentation previously submitted to the Department

i. Date submitted: \_\_\_\_\_ ii. Type of Documentation: \_\_\_\_\_  
(mm/dd/yyyy)

**D. TRANSPORTER OR COMMON CARRIER INFORMATION:**

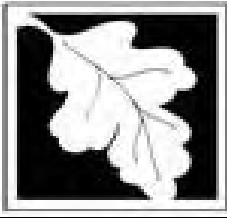
1. Transporter/Common Carrier Name: ROBERT CHILDS INC \_\_\_\_\_

2. Contact First Name: JIM \_\_\_\_\_ 3. Last Name: CONNOLLY \_\_\_\_\_

4. Street: 169 GREAT WESTERN ROAD \_\_\_\_\_ 5. Title: SENIOR PROJECT MANAGER \_\_\_\_\_

6. City/Town: SOUTH DENNIS \_\_\_\_\_ 7. State: MA \_\_\_\_\_ 8. Zip Code: 026600000 \_\_\_\_\_

9. Telephone: 7742607110 \_\_\_\_\_ 10. Ext: \_\_\_\_\_ 11. Email: jconnolly1@reworldwaste.com \_\_\_\_\_



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC 112

Release Tracking Number

4 - 50454

**BILL OF LADING (pursuant to 310 CMR 40.0030)**

**E. RECEIVING FACILITY/TEMPORARY STORAGE LOCATION:**

1. Operator/Facility Name: CLEAN EARTH-ESMI

2. Contact First Name: ANGIE 3. Last Name: HOLUB

4. Street: 67 INTERNATIONAL DRIVE 5. Title: MANAGER

6. City/Town: LOUDON 7. State: NH 8. Zip Code: 033070000

9. Telephone: 6037830228 10. Ext:  11. Email: aholub@harsco.com

12. Type of facility: (check one)

a. Temporary Storage i. Period of Temporary Storage  to   
(mm/dd/yyyy) (mm/dd/yyyy)

ii. Reason for Temporary Storage:

☐ b. Asphalt Batch/Hot Mix ☐ c. Landfill/Disposal ☐ d. Landfill/Structural Fill ☐ e. Landfill/Daily Cover

☐ f. Asphalt Batch/Cold Mix ☒ g. Thermal Processing ☐ h. Incinerator ☐ i. Other:

13. Division of Hazardous Waste/Class A Permit Number:

14. Division of Solid Waste Permit Number: DES-SW-SP-96-002

15. EPA Identification Number:

**F. LSP SIGNATURE AND STAMP:**

I attest under the pains and penalties of perjury that I have personally examined and am familiar with this submittal form, including any and all documents accompanying this submittal. In my professional opinion and judgment based upon application of (i) the standard of care in 309 CMR 4.02(1), (ii) the applicable provisions of 309 CMR 4.02(2) and (3), and 309 CMR 4.03(2), and (iii) the provisions of 309 CMR 4.03(3), to the best of my knowledge, information and belief, the assessment action(s) undertaken to characterize the Remediation Waste which is (are) the subject of this submittal for acceptance at the facility identified in this submittal comply with applicable provisions of 310 CMR 40.0000, and such facility is permitted to accept Remediation Waste having the characteristics described in this submittal.

I am aware that significant penalties may result, including, but not limited to, possible fines and imprisonment, if I submit information which I know to be false, inaccurate or materially incomplete.

1. LSP #: 3412

2. First Name: BRYAN J 3. Last Name: MASSA

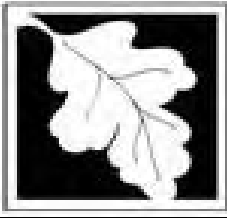
4. Telephone: 7812431527 5. Ext:  6. Email: bryan.massa@hrpassociates.com

7. Signature: BRYAN J MASSA

8. Date: 7/25/2024  
(mm/dd/yyyy)

9. LSP Stamp:





Massachusetts Department of Environmental Protection  
*Bureau of Waste Site Cleanup*

**BWSC 112**

Release Tracking Number

4 - 50454

**BILL OF LADING (pursuant to 310 CMR 40.0030)**

**G. PERSON SUBMITTING BILL OF LADING:**

1. Check all that apply: ☐ a. change in contact name ☐ b. change of address ☒ c. change in the person undertaking response actions
2. Name of Organization: TRURO DPW
3. Contact First Name: AROZANA 4. Last Name: DAVIS
5. Street: 24 TOWN HALL ROAD 6. Title: HEALTH AND CONCOM AGENT
7. City/Town: TRURO 8. State: MA 9. Zip Code: 026660000
10. Telephone: 5082140202 11. Ext:  12. Email: adavis@truro-ma.gov

**H. RELATIONSHIP TO SITE OF PERSON SUBMITTING BILL OF LADING:**

☐ Check here to change relationship

- ☒ 1. RP or PRP ☒ a. Owner ☐ b. Operator ☐ c. Generator ☐ d. Transporter  
☐ e. Other RP or PRP Specify:
- ☐ 2. Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c. 21E, s. 2)
- ☐ 3. Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5(j))
- ☐ 4. Any Other Person Undertaking Response Actions: Specify Relationship:

**I. REQUIRED ATTACHMENT AND SUBMITTALS:**

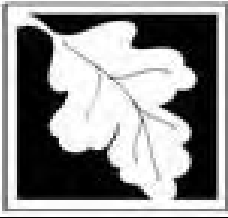
- ☒ 1. Check here if the Response Action(s) on which this opinion is based, if any, are (were) subject to any order(s), permit(s) and/or approvals issued by DEP or EPA. If the box is checked, you must attach a statement identifying the applicable provisions thereof.
- ☐ 2. Check here if any non-updatable information provided on this form is incorrect, e.g. Release Address/Location Aid. Send corrections to BWSC.eDEP@state.ma.us
- ☒ 3. Check here to certify that the LSP Opinion containing the material facts, data, and other information is attached.

**J. CERTIFICATION OF PERSON SUBMITTING BILL OF LADING:**

1. I, AROZANA D.T. DAVIS, attest under the pains and penalties or perjury (i) that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this transmittal form, (ii) that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained in this submittal is, to the best of my knowledge and belief, true, accurate and complete, and (iii) that I am fully authorized to make this attestation on behalf of the entity legally responsible for this submittal. I/the person or entity on whose behalf this submittal is made am/is aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

2. By: AROZANA D.T. DAVIS 3. Title: HEALTH AND CONCOM AGENT

4. For: TRURO DPW 5. Date: 7/25/2024  
(Name of person or entity recorded in Section G) (mm/dd/yyyy)



Massachusetts Department of Environmental Protection  
*Bureau of Waste Site Cleanup*

**BWSC 112**

Release Tracking Number

4 - 50454

**BILL OF LADING (pursuant to 310 CMR 40.0030)**

**J. CERTIFICATION OF PERSON SUBMITTING BILL OF LADING (cont.) :**

☐ 6. Check here if the address of the person providing certification is different from address recorded in Section G.

7. Street: \_\_\_\_\_

8. City/Town: \_\_\_\_\_ 9. State: \_\_\_\_\_ 10. Zip Code: \_\_\_\_\_

11. Telephone: \_\_\_\_\_ 12. Ext: \_\_\_\_\_ 13. Email: \_\_\_\_\_

**YOU ARE SUBJECT TO AN ANNUAL COMPLIANCE ASSURANCE FEE OF UP TO \$10,000 PER BILLABLE YEAR FOR THIS DISPOSAL SITE. YOU MUST LEGIBLY COMPLETE ALL RELEVANT SECTIONS OF THIS FORM OR DEP MAY RETURN THE DOCUMENT AS INCOMPLETE. IF YOU SUBMIT AN INCOMPLETE FORM, YOU MAY BE PENALIZED FOR MISSING A REQUIRED DEADLINE.**

Date Stamp (MassDEP USE ONLY):

Received by DEP on 7/25/2024 8:32:16 AM

ESMI NH

TICKET: 3760904

67 International Dr

Loudon, NH 03307

Ph:

Fax:

Date

Time

Scale

In: 07/31/2024 07:03:58 ESMINH

Out: 07/31/2024 07:03:58 ESMINH

Lbs.

Tns

Manifest: 329690731241

Gross: 68,360 34.18

Vehicle: CHILDS110

Tare: 33,120 16.56

Decal:

Net: 35,240 17.62

Customer: Global Remediation

Carrier:

Generator: Truro MA DPW

Profile #: 243290269

Address: 17 Town Hall Road

Job: Truro DPW yard

TRURO, MA 02666

Address: 17 Town Hall Road

TRURO, MA 02666

## Material

### Recyclable soil/rock/material

Comment:

Driver

Facility

ESMI NH

Angela Holub

69-1



**Massachusetts Department of Environmental Protection**  
**Bureau of Waste Site Cleanup**

**BILL OF LADING Transport Log Sheet**

Release Tracking Number

Page \_\_\_\_\_

OF \_\_\_\_\_

4 - 50454

**I. LOAD INFORMATION:**

**Load 1:**

Date of Shipment:

7/31/24

Signature of Transporter Representative:

*[Signature]*

Time of Shipment:

☐ AM ☒ PM

Truck/Tractor Registration:

#110

Trailer Registration (if any):

#110

Receiving Facility/Temporary Storage Representative:

*[Signature]*

Date of Receipt:

7-31-24

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

17.62

**Load 2:**

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

**Load 3:**

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

**Load 4:**

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

**Load 5:**

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

**Load 6:**

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

**J. LOG SHEET VOLUME INFORMATION:**

Total Volume Recorded This Page (cu. yds./tons)

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

ESMI NH

Ticket: 3797610

67 International Dr  
Loudon, NH 03307

Ph: Fax:

| Date            | Time     | Scale  |
|-----------------|----------|--------|
| In: 07/31/2024  | 07:05:23 | ESMINH |
| Out: 07/31/2024 | 07:05:23 | ESMINH |

|                        | Lbs.          | Tns   |
|------------------------|---------------|-------|
| Manifest: 329690731242 | Gross: 67,660 | 33.83 |
| Vehicle: RJNARDONE38   | Tare: 36,020  | 18.01 |
| Decal:                 | Net: 31,640   | 15.82 |

Customer: Global Remediation  
Generator: Truro MA DPW  
Address: 17 Town Hall Road  
TRURO, MA 02666

Carrier:  
Profile #: 243290269  
Job: Truro DPW yard  
Address: 17 Town Hall Road  
TRURO, MA 02666

## Material

### Recyclable soil/rock/material

Comment:

Driver

Facility \_\_\_\_\_ ESMI NH  
Angela Holub



69-2



**Massachusetts Department of Environmental Protection**  
**Bureau of Waste Site Cleanup**

**BILL OF LADING Transport Log Sheet**

Release Tracking Number

Page

OF

4 - 50454

**I. LOAD INFORMATION:**

**Load 1:**

Date of Shipment:

7-31-24

Signature of Transporter Representative:

*[Signature]*

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

*K Hardy - e8ur*

Date of Receipt:

7-31-24

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

15.82

**Load 2:**

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

**Load 3:**

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

**Load 4:**

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

**Load 5:**

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

**Load 6:**

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

**J. LOG SHEET VOLUME INFORMATION:**

Total Volume Recorded This Page (cu. yds./tons)

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

ESMI NH

Ticket: 3797802

67 International Dr  
Loudon, NH 03307

Ph: Fax:

| Date            | Time     | Scale  |
|-----------------|----------|--------|
| In: 07/31/2024  | 07:41:30 | ESMINH |
| Out: 07/31/2024 | 07:41:30 | ESMINH |

|                        | Lbs.          | Tns   |
|------------------------|---------------|-------|
| Manifest: 329690731243 | Gross: 65,260 | 32.63 |
| Vehicle: CHILDS111     | Tare: 33,160  | 16.58 |
| Decal:                 | Net: 32,100   | 16.05 |

Customer: Global Remediation  
Generator: Truro MA DPW  
Address: 17 Town Hall Road  
TRURO, MA 02666

Carrier:  
Profile #: 243290269  
Job: Truro DPW yard  
Address: 17 Town Hall Road  
TRURO, MA 02666

### Material

#### Recyclable soil/rock/material

Comment:

Driver

Facility \_\_\_\_\_ ESMI NH  
Angela Holub

69-3



**Massachusetts Department of Environmental Protection**  
**Bureau of Waste Site Cleanup**

**BILL OF LADING Transport Log Sheet**

Release Tracking Number

Page \_\_\_\_\_ OF \_\_\_\_\_

4 - 50454

**I. LOAD INFORMATION:** Signature of Transporter Representative:

**Load 1:**

Date of Shipment:

Time of Shipment:

7/31/24

0400-

☒ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

111 / 100-2244-83993

Receiving Facility/Temporary Storage Representative:

K Hardy - ESM

Date of Receipt:

Time of Receipt:

7-31-24

☐ AM ☐ PM

Load Size (cu. yds./tons):

16.05

**Load 2:**

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

**Load 3:**

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

**Load 4:**

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

**Load 5:**

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

**Load 6:**

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

**J. LOG SHEET VOLUME INFORMATION:**

Total Volume Recorded This Page (cu. yds./tons)

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                       |                                                                                                                |  |              |  |                                                              |           |                             |                   |                 |      |      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|--|--------------|--|--------------------------------------------------------------|-----------|-----------------------------|-------------------|-----------------|------|------|
| <b>UNIFORM HAZARDOUS WASTE MANIFEST</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                       | 1. Generator ID Number                                                                                         |  | 2. Page 1 of |  | 3. Emergency Response Phone                                  |           | 4. Manifest Tracking Number |                   |                 |      |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                       |                                                                                                                |  |              |  |                                                              |           | <b>025621893 JJK</b>        |                   |                 |      |      |
| 5. Generator's Name and Mailing Address                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                       |                                                                                                                |  |              |  | Generator's Site Address (if different than mailing address) |           |                             |                   |                 |      |      |
| Generator's Phone:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                       |                                                                                                                |  |              |  |                                                              |           |                             |                   |                 |      |      |
| 6. Transporter 1 Company Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                       |                                                                                                                |  |              |  | U.S. EPA ID Number                                           |           |                             |                   |                 |      |      |
| 7. Transporter 2 Company Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                       |                                                                                                                |  |              |  | U.S. EPA ID Number                                           |           |                             |                   |                 |      |      |
| 8. Designated Facility Name and Site Address                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                       |                                                                                                                |  |              |  | U.S. EPA ID Number                                           |           |                             |                   |                 |      |      |
| Facility's Phone:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                       |                                                                                                                |  |              |  |                                                              |           |                             |                   |                 |      |      |
| GENERATOR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 9a. HM                                                                                                                                                                                                                | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) |  |              |  | 10. Containers                                               |           | 11. Total Quantity          | 12. Unit Wt./Vol. | 13. Waste Codes |      |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                       |                                                                                                                |  |              |  | No.                                                          | Type      |                             |                   |                 |      |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | X                                                                                                                                                                                                                     | 1. NA1993 COMBUSTIBLE LIQUID NOS<br>PETROLEUM OILS COMB LIO POSN                                               |  |              |  | 001                                                          | 11        | 55                          | G                 | MA98            | R014 |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                       | 2.                                                                                                             |  |              |  |                                                              |           |                             |                   |                 |      |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                       | 3.                                                                                                             |  |              |  |                                                              |           |                             |                   |                 |      |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 4.                                                                                                                                                                                                                    |                                                                                                                |  |              |  |                                                              |           |                             |                   |                 |      |      |
| 14. Special Handling Instructions and Additional Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                       |                                                                                                                |  |              |  |                                                              |           |                             |                   |                 |      |      |
| 15. <b>GENERATOR'S/OFFEROR'S CERTIFICATION:</b> I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.<br>I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. |                                                                                                                                                                                                                       |                                                                                                                |  |              |  |                                                              |           |                             |                   |                 |      |      |
| Generator's/Offeror's Printed/Typed Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                       |                                                                                                                |  |              |  | Signature                                                    |           |                             | Month             | Day             | Year |      |
| INT'L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____                                                      |                                                                                                                |  |              |  |                                                              |           |                             |                   |                 |      |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Transporter signature (for exports only): _____                                                                                                                                                                       |                                                                                                                |  |              |  |                                                              |           |                             |                   |                 |      |      |
| TRANSPORTER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 17. Transporter Acknowledgment of Receipt of Materials                                                                                                                                                                |                                                                                                                |  |              |  |                                                              |           |                             |                   |                 |      |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Transporter 1 Printed/Typed Name                                                                                                                                                                                      |                                                                                                                |  |              |  |                                                              | Signature |                             |                   | Month           | Day  | Year |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Transporter 2 Printed/Typed Name                                                                                                                                                                                      |                                                                                                                |  |              |  |                                                              | Signature |                             |                   | Month           | Day  | Year |
| DESIGNATED FACILITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 18. Discrepancy                                                                                                                                                                                                       |                                                                                                                |  |              |  |                                                              |           |                             |                   |                 |      |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection |                                                                                                                |  |              |  |                                                              |           |                             |                   |                 |      |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Manifest Reference Number: _____                                                                                                                                                                                      |                                                                                                                |  |              |  |                                                              |           |                             |                   |                 |      |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 18b. Alternate Facility (or Generator) U.S. EPA ID Number                                                                                                                                                             |                                                                                                                |  |              |  |                                                              |           |                             |                   |                 |      |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Facility's Phone: _____                                                                                                                                                                                               |                                                                                                                |  |              |  |                                                              |           |                             |                   |                 |      |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 18c. Signature of Alternate Facility (or Generator)                                                                                                                                                                   |                                                                                                                |  |              |  |                                                              |           |                             |                   | Month           | Day  | Year |
| 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                       |                                                                                                                |  |              |  |                                                              |           |                             |                   |                 |      |      |
| 1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                       | 2.                                                                                                             |  | 3.           |  | 4.                                                           |           |                             |                   |                 |      |      |
| 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                       |                                                                                                                |  |              |  |                                                              |           |                             |                   |                 |      |      |
| Printed/Typed Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                       |                                                                                                                |  |              |  | Signature                                                    |           |                             | Month             | Day             | Year |      |

# APPENDIX G

## FIRE DEPARTMENT TANK DISPOSAL PERMIT

## APPLICATION and PERMIT

### Tank Owner

### Removal Contractor

⇒ IFCI\* Certified

Other

## Contamination Assessment

### Tank Information

## Disposal Information

## Approvals

Dig Sale Toll Free Tel. Number 800-322-4844

FP-292 (revised 3/10)

# APPENDIX H

## PUBLIC NOTIFICATION LETTER



September 5, 2024

Mr. Darrin Tangeman  
Town of Truro Manager  
24 Town Hall Road  
Truro, MA 02666

Re: Release Notification Form and Availability of  
an Immediate Response Action Plan  
Release of Petroleum  
Truro Department of Public Works  
17 Town Hall Road  
Truro, Massachusetts  
MassDEP RTN 4-0050454

Dear Mr. Tangeman:

On behalf of the Town of Truro Department OF Public Works, HRP Associates Inc., is notifying you as the Chief Municipal Officer for the Town of Truro of the submittal of a Release Notification Form (BWSC-103) to the Commonwealth of Massachusetts Department of Environmental Protection (MassDEP) pursuant to 310 CMR 40.0371 and the completion and availability of an Immediate Response Action (IRA) Plan.

On July 11, 2024, a release of 10 to 20 gallons of petroleum to the subsurface soils was identified during the removal of a 275-gallon buried metal tank and six (6) 55-gallon metals drums containing petroleum residues. The tank and drums have been removed from the ground and appropriately disposed of. Additionally, the petroleum impacted soil has been excavated and appropriately recycled off-Site at an approved facility.

Information regarding the release is available for public review at the Commonwealth of Massachusetts Department of Environmental Protection ("MassDEP") Southeastern regional office, located in Lakeville, Massachusetts or by entering the RTN (4-0050454) at:

<https://eeaonline.eea.state.ma.us/portal#!/search/wastesite>

A copy of the Release Notification Form (BWSC-103) is attached. Pursuant to 310 CMR 40.1403(3)(h)(1)(b), the Town of Truro has the right to request additional Public Involvement Activities under 310 CMR 1403(9) and upon Tier Classification under 310 CMR 40.1404.



Mr. Darrin Tangeman

September 5, 2024

Page 2 of 2

This notification is being sent to you to comply with the Public Involvement requirements of the Massachusetts Contingency Plan, 310 CMR 40.1403.

If you have any questions, please contact Bryan Massa, LSP at 781-210-9840.

Sincerely,

HRP Associates, Inc.

A handwritten signature in blue ink, appearing to read "Bryan Massa", followed by a long horizontal line extending to the right.

Bryan Massa, LSP  
Principal and Regional Manager

cc: Town of Truro Health Department

Attachments:

Attachment A – Release Notification Form

**ATTACHMENT A**  
**RELEASE NOTIFICATION FORM**



RELEASE NOTIFICATION & NOTIFICATION  
RETRACTION FORM

Pursuant to 310 CMR 40.0310, 310 CMR 40.0335, and 310 CMR 40.0371 (Subpart C)

Release Tracking Number

4 - 50454

A. RELEASE OR THREAT OF RELEASE LOCATION:

1. Release Name/Location Aid: TRURO DPW

2. Street Address: 17 TOWN HALL ROAD

3. City/Town: TRURO 4. ZIP Code: 026660000

5. Coordinates: a. Latitude: N 41.99932 b. Longitude: W 70.05683

B. THIS FORM IS BEING USED TO: (check one)

- ☒ 1. Submit a **Release Notification**
- ☐ 2. Submit a **Revised Release Notification**
- ☐ 3. Submit a **Retraction of a Previously Reported Notification** of a release or threat of release including supporting documentation required pursuant to 310 CMR 40.0335 (Section C is not required)

(All sections of this transmittal form must be filled out unless otherwise noted above)

C. INFORMATION DESCRIBING THE RELEASE OR THREAT OF RELEASE (TOR):

1. Date and time of Oral Notification, if applicable: 7/11/2024 Time: 07:53 ☒ AM ☐ PM  
mm/dd/yyyy hh:mm

2. Date and time you obtained knowledge of the Release or TOR: 7/11/2024 Time: 07:15 ☒ AM ☐ PM  
mm/dd/yyyy hh:mm

3. Date and time release or TOR occurred, if known:                      Time:              ☐ AM ☐ PM  
mm/dd/yyyy hh:mm

Check all Notification Thresholds that apply to the Release or Threat of Release:  
(for more information see 310 CMR 40.0310 - 40.0315)

- | 4. 2 HOUR REPORTING CONDITIONS                                            | 5. 72 HOUR REPORTING CONDITIONS                                                                                     | 6. 120 DAY REPORTING CONDITIONS                                                                                                                       |
|---------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> a. Sudden Release                     | <input type="checkbox"/> a. Subsurface Non-Aqueous Phase Liquid (NAPL) Equal to or Greater than 1/2 Inch (.04 feet) | <input type="checkbox"/> a. Release of Hazardous Material(s) to Soil or Groundwater Exceeding Reportable Concentration(s)                             |
| <input type="checkbox"/> b. Threat of Sudden Release                      | <input type="checkbox"/> b. Underground Storage Tank (UST) Release                                                  | <input type="checkbox"/> b. Release of Oil to Soil Exceeding Reportable Concentration(s) and Affecting More than 2 Cubic Yards                        |
| <input type="checkbox"/> c. Oil Sheen on Surface Water                    | <input type="checkbox"/> c. Threat of UST Release                                                                   | <input type="checkbox"/> c. Release of Oil to Groundwater Exceeding Reportable Concentration(s)                                                       |
| <input type="checkbox"/> d. Poses Imminent Hazard                         | <input type="checkbox"/> d. Release to Groundwater near Water Supply                                                | <input type="checkbox"/> d. Subsurface Non-Aqueous Phase Liquid (NAPL) Equal to or Greater than 1/8 Inch (.01 feet) and Less than 1/2 Inch (.04 feet) |
| <input type="checkbox"/> e. Could Pose Imminent Hazard                    | <input type="checkbox"/> e. Substantial Release Migration                                                           |                                                                                                                                                       |
| <input type="checkbox"/> f. Release Detected in Private Well              |                                                                                                                     |                                                                                                                                                       |
| <input type="checkbox"/> g. Release to Storm Drain                        |                                                                                                                     |                                                                                                                                                       |
| <input type="checkbox"/> h. Sanitary Sewer Release (Imminent Hazard Only) |                                                                                                                     |                                                                                                                                                       |



**Massachusetts Department of Environmental Protection**  
*Bureau of Waste Site Cleanup*

**BWSC 103**

**RELEASE NOTIFICATION & NOTIFICATION  
RETRACTION FORM**

Pursuant to 310 CMR 40.0310, 310 CMR 40.0335, and 310 CMR 40.0371 (Subpart C)

Release Tracking Number

4 - 50454

**C. INFORMATION DESCRIBING THE RELEASE OR THREAT OF RELEASE (TOR): (cont.)**

7. List below the Oils (O) or Hazardous Materials (HM) that exceed their Reportable Concentration (RC) or Reportable Quantity (RQ) by the greatest amount.

☐ Check here if an amount or concentration is unknown or less than detectable.

| O or HM Released | CAS Number, if known | O or HM | Amount or Concentration | Units | RCs Exceeded, if Applicable (RCS-1, RCS-2, RCGW-1, RCGW-2) |
|------------------|----------------------|---------|-------------------------|-------|------------------------------------------------------------|
| PETROLEUM        |                      | O       | 20                      | GAL   | RCS-1                                                      |
|                  |                      |         |                         |       |                                                            |
|                  |                      |         |                         |       |                                                            |
|                  |                      |         |                         |       |                                                            |

☐ Check here if a list of additional Oil and Hazardous Materials subject to reporting, or any other documentation relating to this notification is attached.

**D. PERSON REQUIRED TO NOTIFY:**

1. Check all that apply: ☐ a. change in contact name ☐ b. change of address ☒ c. change in the person notifying

2. Name of Organization: TRURO DPW

3. Contact First Name: JARROD 4. Last Name: CABRAL

5. Street: 17 TOWNHALL ROAD 6. Title: \_\_\_\_\_

7. City/Town: TRURO 8. State: MA 9. ZIP Code: 026660000

10. Telephone: 508-214-0400 11. Ext.: \_\_\_\_\_ 12. Email: jcabral@truro-ma.gov

☐ 13. Check here if attaching names and addresses of owners of properties affected by the Release or Threat of Release, other than an owner who is submitting this Release Notification (required).

**E. RELATIONSHIP OF PERSON TO RELEASE OR THREAT OF RELEASE:** ☐ Check here to change relationship

☒ 1. RP or PRP ☒ a. Owner ☐ b. Operator ☐ c. Generator ☐ d. Transporter

☐ e. Other RP or PRP Specify: \_\_\_\_\_

☐ 2. Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c. 21E, s. 2)

☐ 3. Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5(j))

☐ 4. Any Other Person Otherwise Required to Notify Specify Relationship: \_\_\_\_\_



RELEASE NOTIFICATION & NOTIFICATION  
RETRACTION FORM

Pursuant to 310 CMR 40.0310, 310 CMR 40.0335, and 310 CMR 40.0371 (Subpart C)

Release Tracking Number

4 - 50454

F. CERTIFICATION OF PERSON REQUIRED TO NOTIFY:

1. I, AROZANA D.T. DAVIS, attest under the pains and penalties of perjury (i) that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this transmittal form, (ii) that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained in this submittal is, to the best of my knowledge and belief, true, accurate and complete, and (iii) that I am fully authorized to make this attestation on behalf of the entity legally responsible for this submittal. I/the person or entity on whose behalf this submittal is made am/is aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

2. By : AROZANA D.T. DAVIS 3. Title: \_\_\_\_\_  
Signature  
4. For: TRURO DPW 5. Date : 9/5/2024  
(Name of person or entity recorded in Section D) mm/dd/yyyy

☒ 6. Check here if the address of the person providing certification is different from address recorded in Section D.

7. Street: 24 TOWN HALL ROAD  
8. City/Town: TRURO 9. State: MA 10. ZIP Code: 026660000  
11. Telephone: 508-214-0202 12. Ext.: \_\_\_\_\_ 13. Email: adavis@truro-ma.gov

YOU ARE SUBJECT TO ANNUAL COMPLIANCE ASSURANCE FEES FOR EACH BILLABLE YEAR FOR TIER CLASSIFIED DISPOSAL SITES. YOU MUST LEGIBLY COMPLETE ALL RELEVANT SECTIONS OF THIS FORM OR DEP MAY RETURN THE DOCUMENT AS INCOMPLETE. IF YOU SUBMIT AN INCOMPLETE FORM, YOU MAY BE PENALIZED FOR MISSING A REQUIRED DEADLINE.

Date Stamp (DEP USE ONLY:)

Received by DEP on 9/5/2024 8:54:13 PM