

Pennsylvania Department of Environmental Protection

Data Gap Pre-Design Investigation Report Volume 2: Groundwater and Surface Water

GTAC 8-1-472 – Bishop Tube HSCA Site

1 S. Malin Road, East Whiteland Township, Chester County, Pennsylvania

September 1, 2026

Version 1.0





**Data Gap Pre-Design Investigation
Report Volume 2 – Groundwater and
Surface Water**

GTAC 8-1-472 – Bishop Tube HSCA Site
1 S. Malin Road
East Whiteland Township, Chester County,
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A handwritten signature in black ink, appearing to read 'Mike Yankovich'.

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A handwritten signature in blue ink, appearing to read 'Timothy F. Uhler'.

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A circular blue ink stamp. The outer ring contains the text 'COMMONWEALTH OF PENNSYLVANIA'. The inner ring contains 'REGISTERED PROFESSIONAL'. The center contains the name 'FRANK JOSEPH DIGRAZIO P.E.' and the number 'No. 003920'. A handwritten signature in black ink is written over the stamp.

Frank J. DiGrazio P.E.
Principal Geologist

By affixing my seal to this document, I am certifying that to the best of my knowledge the information is true and correct. I further certify that I am licensed to practice in the Commonwealth of Pennsylvania and that it is within my professional expertise to verify the correctness of the information.



EXECUTIVE SUMMARY

Groundwater and Environmental Services, Inc. (GES) has prepared this Data Gap Pre-Design Investigation Report: Volume 2 Groundwater and Surface Water on behalf of the Pennsylvania Department of Environmental Protection (DEP) for the Bishop Tube HSCA Site (Site) located in East Whiteland Township, Chester County, Pennsylvania. On July 15, 2026, GES finalized Volume 1 of the report, which discusses the soil investigation activities. The purposes of the groundwater and surface water data gap pre-design investigation were to (1) install a new nested monitoring well set in the vicinity of the western Village Way cul-de-sac to investigate a groundwater quality data gap in that area; and (2) conduct a complete synchronous groundwater and surface water monitoring and sampling event of the full monitoring well network to evaluate Site groundwater and surface water for perfluoroalkyl and polyfluoroalkyl substances (PFAS), hexavalent chromium [Cr(VI)], and all other current Site constituents of concern (COCs).

The source property is an approximate 13.7-acre former stainless steel tube manufacturing facility located at 1 South Malin Road in Malvern, Pennsylvania. The area defined as the Site includes the area within the Source Property boundaries and the extent of groundwater contamination beyond the Source Property boundaries.

In January 2021, Roux Associates (Roux) submitted a Remedial Investigation Report and Feasibility Study (RI/FS), which were accepted by DEP. The RI/FS identified the Site COCs to include compounds related to historical manufacturing operations at the Site. Specifically, the RI/FS COCs for the Site included among other contaminants chlorinated solvents and inorganics (metals and fluoride).

In 2021 and 2022, Roux conducted additional investigation activities to complete soil delineation, refine the COC list for the Site, and evaluate PFAS in groundwater and surface water. The soil samples were analyzed for total chromium, Cr(VI), nickel, and fluoride. The results of this sampling concluded that the Cr(VI) was not detected at concentrations above PA Act 2 medium specific concentrations (MSCs). However, fluoride was detected at concentrations above the PA Act 2 MSCs in multiple locations. Also, a partial round of groundwater samples was collected from a subset of the wells within the monitoring well network and analyzed for PFAS. It was determined that select PFAS compounds were detected at concentrations above the PA Act 2 MSCs established at that time. As a result of the additional investigation activities conducted by Roux, DEP updated the COC list for the Site to include perfluorooctanoic acid (PFOA) in addition to the COCs in the originally defined list presented in the RI/FS. Additionally, in its September 2022 Statement of Decision (SOD) for the Site, DEP determined that further delineation of fluoride in soils and of PFAS in soils and groundwater was needed.

GES completed the groundwater and surface water gap pre-design investigation activities between March and June 2026. The groundwater and surface water investigation activities conducted by GES at the Site during this time period included: advancement of an open rock pilot borehole; a downhole geophysical investigation; packer testing of select intervals within the pilot borehole; installation of a new nested monitoring well set to isolate three water-bearing intervals; and completion of a full round of groundwater and surface water sampling to evaluate current concentrations of Site COCs and determine distribution of PFAS, fluoride, and Cr(VI) at the Site.



The full monitoring well network included 57 overburden wells, 43 shallow bedrock wells, 17 intermediate bedrock wells, and 23 deep bedrock monitoring wells at the Site.

The following conclusions can be drawn based on review of the groundwater and surface water data gap pre-design investigation analytical results:

- Chlorinated solvents, which were previously identified as Site COCs, were detected at concentrations above the PA Act 2 MSC for a Residential, Used Aquifer in newly installed nested monitoring well set MW-85A and MW-85B. These exceedances of the relevant standards indicate that the shallow and intermediate bedrock zones are impacted on the east side of Little Valley Creek and in closer proximity to the residential homes on the west end of Village Way than had been originally identified.
- PFOA and PFOS were detected at concentrations above the PA Act 2 Residential, Used Aquifer MSCs in groundwater samples. The highest concentrations of PFOA were detected in overburden groundwater in proximity to the former vapor degreaser located in Building 8.
- PFOA and PFOS were detected at concentrations above relevant surface water screening values in all sampling locations (SW-1 and SW-3 through SW-10).
- Cr(VI) was detected at concentrations above the applicable surface water screening criteria in all sampling locations (SW-3 through SW-10), except SW-1 (the most upstream location).
- Groundwater elevations and related flow directions and gradients are consistent with previous investigations. However, localized mounding and sinks observed in the intermediate and deep bedrock groundwater monitoring zones may affect localized flow dynamics in the vicinity of the east side of Little Valley Creek and in closer proximity to the residential homes on the west end of Village Way.

Based on the conclusions listed above, the following activities are recommended:

- Sampling of monitoring wells that could not be accessed or located during this round of sampling, including monitoring wells located inside Building 5 (i.e., MW-26, MW-66), should be attempted again after the building is demolished.
- During any future groundwater sampling of the full monitoring well network and surface water sampling for VOC analysis, all samples where high concentrations of VOCs are not expected should be analyzed at a low-level concentration (or Selected Ion Monitoring [SIM]) method to attain necessary reporting limits (i.e., 1,2-dichloroethane).
- Additional investigation to the east of the Source Property, including:
 - o Implementation of a supplemental vapor intrusion (VI) assessment in the vicinity of MW-85 including an evaluation of potential preferential vapor migration pathways.



- o Installation and sampling of additional monitoring wells to the southeast and east-southeast of MW-85 to further define the extent of impacts in the overburden and shallow bedrock zones in this area of the Site.
- Additional investigation along the northern edge of the approximate TCE plume boundary, including:
 - o Implementation of a supplemental vapor intrusion (VI) evaluation, including an evaluation of potential preferential vapor migration pathways.
 - o Potential installation and sampling of an additional monitoring well within the current approximate extent of the TCE plume and where the approximate plume intersects Conestoga Road to further define the extent of impacts in the shallow bedrock zones in this area of the Site.
- Additional delineation of the PFAS overburden groundwater plume to the west and south of the former vapor degreaser area in Building 8 to evaluate potential contributions from off-property sources in addition to the impacts identified to be correlated to the former vapor degreaser in Building 8.
- Based on the exceedance for PFOS in the Field Blank collected on June 5, 2026, confirmatory PFAS sampling at select monitoring wells (MW-13, MW-30CR, MW-85A, MW-85B, PZ-1, PZ-6, PZ-7, and PZ-9) is recommended.
- Based on the widespread detections and exceedances of select PFAS compounds at the Site, a plume-wide evaluation of PFAS mixtures is recommended to determine concentrations of various compounds spatially across the plume. This information will be utilized to determine potential off-site sources and/or additional source areas.
- Based on the observation of localized groundwater mounding and sinks in the intermediate and deep bedrock zones and the potential for large fluctuations in groundwater levels in these areas due to the effects of fracture flow, long-duration water level transducer monitoring is recommended for monitoring wells MW-43C, MW-57B, MW-85B, and other, to be determined, surrounding monitoring wells, to better understand the localized flow dynamics between the groundwater monitoring zones in these areas.



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Acronyms

AMSL	Above Mean Sea Level	PFOS	Perfluorooctanesulfonic acid
AOC	Area of Concern	PID	Photoionization Detector
bgs	Below Ground Surface	POCS	Pennsylvania One Call System
CDP	Conestoga Drive Partners, L.P.	PPE	Personal Protective Equipment
COC	Constituent of Concern	QAPP	Quality Assurance Project Plan
Cr(VI)	Hexavalent Chromium	RAA	Remedial Alternatives Analysis
DEP	Pennsylvania Department of Environmental Protection	RI	Remedial Investigation Report
ELLE	Eurofins Lancaster Laboratories Environmental, Inc.	RLs	Laboratory Reporting Limits
FS	Feasibility Study	SAP	Sampling and Analysis Plan
GES	Groundwater & Environmental Services, Inc.	SOD	Statement of Decision
HASP	Health and Safety Plan	TAL	Target Analyte List
HSCA	Hazardous Sites Cleanup Act	TAM	Technology Assessment Memorandum
IDW	Investigation Derived Waste	TAT	Turnaround Time
MDL	Method detection limit	TCE	Trichloroethene
MSC	Medium Specific Concentration	TCL	Target Compound List
OSHA	Occupational Safety and Health Administration	USCS	Unified Soil Classification System
PCE	Tetrachloroethylene	USGS	United States Geologic Survey
PFAS	Perfluoroalkyl and Polyfluoroalkyl Substances	VOCs	Volatile Organic Compounds
PFNA	Perfluorononanoic acid		
PFOA	Perfluorooctanoic acid		

1 Introduction

Groundwater and Environmental Services, Inc. (GES) has prepared this Data Gap Pre-Design Investigation Report: Volume 2 Groundwater and Surface Water on behalf of the Pennsylvania Department of Environmental Protection (DEP) for the Bishop Tube Hazardous Sites Cleanup Act (HSCA) Site (Site), located in East Whiteland Township, Chester County, Pennsylvania, to document specific additional investigation activities and analyses that were conducted by GES at the Site from March 2026 through June 2026. On July 15, 2026, GES finalized Volume 1 of the report which discusses the soil investigation activities. A map depicting the location of the Site with topographic information on the surrounding area is presented as **Figure 1**. The purposes of the groundwater and surface water data gap pre-design investigation were to (1) install a new nested monitoring well set in the vicinity of the western Village Way cul-de-sac to investigate a groundwater quality data gap in that area; and (2) conduct a complete synchronous groundwater and surface water monitoring and sampling event of the full monitoring well network to evaluate Site groundwater and surface water for perfluoroalkyl and polyfluoroalkyl substances (PFAS), hexavalent chromium (Cr(VI)), and all other current Site constituents of concern (COCs).

The remainder of this report is organized as follows:

- **Site Description and Background** - This section provides a discussion of Site background information, including the location and description of the Site physical conditions, the physiographic setting, and Site history.
- **Groundwater and Surface Water Investigation Activities** – This section describes the data gap pre-design groundwater investigation plan, sampling activities, analysis methodologies, and modifications to the original Work Plan.
- **Summary of Groundwater and Surface Water Data Gap Pre-Design Investigation Analytical Results** – This section discusses the laboratory analytical results for the groundwater and surface water samples collected during the data gap pre-design investigation activities.
- **Investigation Derived Waste Disposal** – This section summarizes the waste classification and handling prior to disposal.
- **Conclusions** – This section summarizes the conclusions that were made based on the results of the investigation.
- **Recommendations** – This section presents recommendations for additional work determined to be needed at the Site based on the conclusions made from the additional data collected during this investigation.

During all field activities, GES personnel followed all appropriate worker health and safety guidelines as per Occupational Safety and Health Administration (OSHA) 29 CFR 1910.120. All operations were conducted using Level D protection measures with proper respiratory protection equipment and additional protective clothing readily available for use if site conditions warranted

an upgrade to Level C protection. A site-specific health and safety plan (HASP) detailing applicable safety precautions, as well as specific emergency procedures, was prepared for this Site. A copy of the site-specific health and safety plan is on file at GES and DEP offices.

2 Site Description and Background

A Site Description and Background discussion was previously included as Section 2 of the Data Gap Pre-Design Investigation Report Volume 1: Soil. The figures from Volume 1 were included in this report for ease of reference:

- **Figure 1** (Site Location Map) illustrates the location of the Site on the U.S. Geological Survey (USGS) 7.5-Minute Topographic Map for Malvern, Pennsylvania.
- **Figure 2** (Site Map) is an aerial photograph, which illustrates the layout of the source property.
- **Figure 3** (Target Treatment Area) includes Areas of Concern (AOCs) in soil.

3 Groundwater and Surface Water Investigation Activities

This section describes the groundwater and surface water investigation activities conducted by GES at the Site from March 2026 through June 2026 including: advancement of an open rock pilot borehole; a downhole geophysical investigation; packer testing of select intervals within the pilot borehole; installation of a new nested monitoring well set; and completion of a full round of groundwater and surface water sampling to evaluate current concentrations of Site COCs and determine distribution of PFAS, fluoride, and Cr(VI) at the Site.

3.1 Pilot Open Rock Borehole Advancement

GES retained Cascade Drilling, LP (Cascade) to complete the installation of a new nested monitoring well set (MW-85) to isolate three water-bearing intervals. Prior to initiating subsurface work, the Pennsylvania One Call System (POCS) was utilized to request location of underground lines within the project area to satisfy requirements of the Underground Utility Line Protection Law, Pennsylvania Act 287 of 1974, amended by Act 50 of 2017. Additionally, the monitoring well location was hand-cleared to five (5) feet below ground surface (bgs) with a hand auger.

Nested monitoring well MW-85 was installed over two separate mobilizations. During the first mobilization, from March 10 through March 19, 2026, a 6-inch diameter open rock pilot borehole was advanced to a total depth of 240 feet below ground surface (bgs). The pilot borehole was advanced utilizing sonic drilling methodologies to allow for completion of downhole geophysics to evaluate bedrock fracture depth, orientation, and vertical groundwater flow components; and implementation of packer testing to determine fracture yield and to collect constituent concentration data from yielding fracture intervals. During the advancement of the pilot borehole, GES identified the depth to weathered bedrock, the depth to competent bedrock, and fractured/water-bearing zones. Additionally, the composition, color, texture, and moisture content of the soil and bedrock was monitored as it was recovered and recorded on a subsurface log

(Appendix A). The overburden and bedrock (limestone) lithologies identified during the pilot borehole installation were consistent with previous investigations at the Site.

3.2 Downhole Geophysics

GES retained Advanced Geophysical Services, Inc. (AGS) to complete a downhole geophysical investigation of the pilot borehole to assist with locating water-bearing zones and/or fractures, confirming groundwater flow conditions, and identifying primary monitoring intervals in each zone. On March 20 and 24, 2026, AGS completed the following suite of geophysical analyses: heat pulse flowmeter, optical televiewer, acoustic televiewer, and 3-arm caliper. Following the analyses, AGS produced a geophysical well log showing borehole features, including borehole diameter, fracture depth/location/orientation, and vertical water flow direction within the borehole.

The results of the downhole geophysical investigation confirmed that the bedrock was generally competent with discreet fractured intervals exhibiting relatively low groundwater yield at the MW-85 well nest location. Based on the geophysical log provided by AGS, the following depth intervals were identified for packer testing: 65-80 feet, 100-115 feet, 135-150 feet, 165-180 feet, and 190-205 feet. A copy of the downhole geophysical well log and report can be found in **Appendix B**.

3.3 Packer Testing

GES retained EarthData Northeast (EDN) to complete packer testing of fractured/water bearing intervals identified during the downhole geophysical investigation. Between March 31 and April 2, 2026, EDN conducted testing of the 65-80 feet, 100-115 feet, 135-150 feet, 165-180 feet, and 190-205 feet depth intervals within the pilot borehole to determine yield and groundwater quality. The packer testing consisted of collecting static head pressure data, completing a falling head slug test, purging groundwater from the packer intervals, collecting discrete groundwater samples, and collecting recovery head pressure data for each targeted fracture location. A copy of the packer testing results is included in **Appendix C**.

All intervals were evaluated based on their measured groundwater yield, and the four highest yielding zones were selected for sampling. A submersible pump was utilized to purge approximately three (3) packer interval volumes and collect groundwater samples from the following intervals: 65-80 feet, 135-150 feet, 165-180 feet, and 190-205 feet. The groundwater samples were submitted to Eurofins Lancaster Laboratories Environmental, Inc. (ELLE) for analysis of Target Compound List (TCL) VOCs (including TCE and PCE and all daughter products) via EPA Method 8260D. A copy of the laboratory analytical results and packer testing logs for each interval are included in **Appendix D**.

3.4 Monitoring Well Installation

After completion of the downhole geophysical investigation and packer testing, Cascade remobilized to the Site to complete installation of nested monitoring well MW-85, which included three well intervals (i.e., one shallow and two intermediate interval wells). The purpose of this nested monitoring well set is to evaluate groundwater conditions and quality in the northeast

corner of the source property portion of the Site. Based on the results of the downhole geophysical investigation and packer testing results, the following depth intervals were selected: 66-76 feet, 135-145 feet, and 190-205 feet. The 66-76 foot interval is within the previously established shallow bedrock zone for the Site, and the 135-145 foot and 190-205 foot intervals are within the previously established intermediate bedrock zone for the Site. The 6-inch diameter open pilot borehole was reamed via sonic drilling methodologies to proper diameters for construction of each nested interval: a 10-inch diameter hole was reamed across the 66-76 foot depth interval for the shallow interval well; an 8-inch diameter hole was reamed across the 135-145 foot depth interval for the first intermediate interval well; and the 190-205 foot depth interval was left at the 6-inch diameter hole for the second intermediate interval well. Upon completion of the reaming activities, the bottom of the pilot borehole was grouted from a depth of 205 feet to the hole bottom (240 feet) to ensure proper sealing of the bottom interval. This bottom interval did not intersect any water-bearing fractures.

The nested monitoring wells were constructed with two-inch diameter Schedule 40 polyvinyl chloride (PVC) riser and 0.020-inch slotted Schedule 40 PVC screen, with the exception of the deeper intermediate nested well (190-205 foot interval), which was constructed utilizing Schedule 80 PVC riser and screen due to the depth. The annular space between the borehole wall and the PVC screen intervals was filled with No. 2 sand to approximately two feet above the top of the screened intervals. The sand packs for the intermediate and shallow nested wells also extend approximately two feet below the screened intervals. A bentonite seal was placed above the sand pack intervals of each nested monitoring well screen and the annular space between the deeper intermediate/intermediate/shallow screened intervals was grouted to approximately 2 feet below the start of the next screened interval. Sufficient time (one-hour minimum) was allotted for each bentonite seal to set before grouting between each screened interval. A three-foot thick bentonite seal was placed above the sand pack of the shallow nested monitoring well and the remaining annular space was grouted to surface grade. The nested well was finished as a locking steel stickup, set approximately three feet above ground surface. A watertight locking gripper plug was fitted to each nested monitoring well PVC riser within the steel stickup to restrict access. The new wells were identified as MW-85A (66 – 76 ft), MW-85B (135 – 145 ft), and MW-85C (190 – 205 ft). Well construction diagrams for this nested well set are presented in **Appendix A**.

Following the installation of the nested monitoring well set and prior to initiating groundwater monitoring activities, GES developed the newly installed monitoring wells in accordance with generally accepted practices outlined in the GES SOP for Monitoring Well Development included in the Sampling Analysis Plan/Quality Assurance Project Plan (SAP/QAPP). It should be noted that after completion of the installation of the nested well, a pinch in the well casing was identified in MW-85C, which did not allow for complete development or the installation of a sampling device. Therefore, this well was not included in the gauging and sampling event described in **Section 3.5**.

3.5 Groundwater Sampling

On April 23-24 and April 30, 2026, GES conducted Site reconnaissance to locate all monitoring wells within the network. During the reconnaissance, GES documented location, condition, presence of existing passive sampling tethers, and access to all monitoring wells. It was



determined that 19 wells were inaccessible, could not be located, were previously abandoned, or were assumed destroyed. After completion of the reconnaissance, GES prepared for a complete synchronous sampling event of the wells that could be located by ordering all necessary HydraSleeve™ samplers, new tethers, and tether weights.

Between May 19 and June 5, 2026, GES conducted groundwater monitoring and sampling of the full monitoring well network in accordance with the SAP/QAPP. The full monitoring well network included the newly installed nested monitoring well set (MW-85), 57 overburden wells, 43 shallow bedrock wells, 17 intermediate bedrock wells, and 23 deep bedrock monitoring wells at the Site. The monitoring well locations can be found on **Figure 4**. The groundwater sampling activities utilized disposable HydraSleeve™ samplers for all wells, with the exception of MW-85A, which was sampled via traditional low-flow sampling methodologies due to a slight pinch in the well casing that would not allow installation of a HydraSleeve™ sampler.

Initially, GES mobilized to all monitoring wells included in the sampling plan to gauge depth to water, gauge depth to bottom, and deploy the tethers and HydraSleeve™ samplers. During the effort, GES field personnel noted any discrepancies in current conditions versus previously recorded well sampling equipment settings and adjusted the tethers accordingly. After deployment of the sampling equipment, GES allowed a minimum of 24 hours prior to collection of the samples. As per the Work Plan for this sampling event, a subset of wells (i.e., the monitoring wells located to the south of Lancaster Avenue) were identified for additional inorganic analyses (dissolved metals, Cr(VI), and fluoride). To achieve the sample collection for select wells in this group, a second HydraSleeve™ was deployed after collection of the primary (VOC and PFAS) samples to obtain additional volume for the inorganic analyses. The additional HydraSleeve™ samplers were deployed for a minimum of 24 hours prior to collection of the additional sample volume.

The collected groundwater samples were packed in a cooler on ice and submitted via laboratory courier or hand delivered under proper chain-of custody procedures to ELLE for standard turn-around time (TAT) analyses. ELLE is accredited by the Pennsylvania Bureau of Laboratories, Laboratory Accreditation Program (LAP), for all analytical parameters, methods, and technologies used per 25 Pa. Code, Chapter 252 under the National Environmental Laboratory Accreditation Program (NELAP).

The complete set of groundwater samples were submitted for laboratory analysis of TCL VOCs via EPA Method 8260D, and PFAS via EPA Method 1633A. Groundwater samples from the monitoring wells south of Lancaster Avenue were also submitted for laboratory analysis of dissolved metals via EPA Method 6020B, dissolved Cr(VI) via EPA Method 218.6, and dissolved fluoride via EPA Method 9056A.

Quality Assurance/Quality Control (QA/QC) samples during the groundwater sampling activities included one duplicate sample and one field blank per every 20 samples or fraction thereof. One trip blank, per day, per cooler, with VOC samples, was also submitted.

3.6 Surface Water Sampling

On June 8, 2026, GES conducted surface water sampling at the previously established surface water sampling locations, SW-1 through SW-10, at the Site.

Surface water samples were collected using disposable bailers with as little agitation as possible. The surface water sample collection sequence was, as follows: samples for VOC analysis were collected first; samples for PFAS analysis were collected second; samples for dissolved metals analysis were collected third; and samples for fluoride analysis were collected last. Note that surface water sampling location SW-2 could not be sampled, as it was observed to have minimal, stagnant water present with excessive algae buildup. All other surface water sample locations were sampled without issue.

The surface water samples were packed in a cooler on ice and hand-delivered under proper chain-of custody procedures to ELLE for standard turn-around time (TAT) analyses. The surface water samples were submitted for laboratory analysis of TCL VOCs via EPA Method 8260D, dissolved metals via EPA Method 6020B, dissolved Cr(VI) via EPA Method 218.6, dissolved fluoride via EPA Method 9056A, and PFAS via EPA Method 1633A. In addition, surface water samples were submitted for laboratory analysis of total manganese, as well as dissolved magnesium, and dissolved calcium (for total hardness calculation) via EPA Method 6020B.

QA/QC samples for surface water samples included one duplicate sample and one field blank per every 20 samples or fraction thereof. One trip blank per day, per cooler, with VOC samples, was also submitted.

3.7 Work Plan Deviations

During the groundwater and surface water sampling activities, the following deviations from the Work Plan were necessary for the reasons identified.

- MW-85C was not included in the gauging and sampling activities.
 - o After installation of the nested monitoring well and during well development, it was determined that the PVC casing for MW-85C was pinched and sampling equipment could not be advanced to the desired depth.
 - o Based on an assessment by the drilling contractor, it is suspected that the curing temperature of the grout seal softened the PVC casing and allowed deformation from soil or rock settlement in that zone during tooling removal.
- Nineteen wells identified in the original sampling plan were not sampled because they were determined to be abandoned, destroyed, unable to be located, inaccessible due to safety concerns, or having insufficient water to collect a sample.
 - o The following monitoring wells were not gauged or sampled: MW-07, MW-07(MOBIL), MW-08, MW-12, MW-14D(MOBIL), MW-16, MW-17, MW-19, MW-23, MW-29, MW-30, MW-21, MW-34, MW-41, MW-55, MW-59A, MW-59B, MW-59C, MW-66, and MW-85C.

- o The monitoring wells that were removed from the sampling plan are identified in **Table 1** as destroyed, abandoned, inaccessible, could not be located, or had insufficient water for sample collection.
- Additional HydraSleeves™ for inorganics were deployed in select monitoring wells.
 - o For monitoring wells located south of Lancaster Avenue that included metals/inorganics analysis, deployment of a second HydraSleeve™ was necessary to obtain additional sample volume.
 - o Sample collection from the second HydraSleeve™ was completed a minimum of 24 hours after deployment.
 - o The monitoring well locations that required deployment of a second HydraSleeves™ are indicated on the field logs included in **Appendix E**.
- MW-85A was sampled via low flow methodologies instead of HydraSleeve™.
 - o After installation of the nested monitoring well and during well development, it was determined that the PVC casing for MW-85A had a slight pinch, which would not allow deployment of a HydraSleeve™ with a bottom weight attached. The well was sampled via low-flow methodology utilizing a peristaltic pump. GES field personnel followed GES' Standard Operating Procedure (FM-8.5 Rev. 005a) for low-flow sampling, and a copy of the low-flow sampling log is included in **Appendix E**.
- The metals analysis was completed following EPA Method 6020B instead of the originally proposed EPA Method 6010D. The subcontracted laboratory confirmed that both analytical methods were the same cost and that EPA Method 6020B would offer lower detection limits.

3.8 IDW Management

Used PPE (e.g., disposable gloves), disposable equipment (e.g., plastic baggies), and disposable sampling materials were containerized in 55-gallon drums. Additionally, all drilling fluids, purged or recovered groundwater, and solids generated during the monitoring well installation were containerized in bulk storage containers (i.e., roll-off, polyethylene holding tanks). All containers were properly labeled with the type of waste and date of accumulation, sealed and temporarily staged in the controlled work zone to minimize risk of contact by the general public until each waste stream could be characterized and transported off-site for proper disposal.

4 Summary of Pre-Design Data Gap Groundwater and Surface Water Investigation Analytical Results

This section presents the results for groundwater level monitoring and groundwater and surface water sample analyses that were conducted as part of the groundwater and surface water Pre-Design Data Gap Investigation sampling activities described above.

Groundwater level measurements were collected from the entire accessible monitoring network. These data are presented in **Table 1** and the results discussed in more detail in **Section 4.1**.

Groundwater analytical results were compared to relevant water quality criteria and are presented in **Tables 2A (VOCs), 2B (PFAS), and 2C (Inorganics)**. Surface water analytical results were compared to relevant surface water quality criteria and are presented in **Tables 3A (VOCs), 3B (PFAS), and 3C (Inorganics)**. Please note that the attached groundwater and surface water analytical tables only represent Site COCs; however, comprehensive tables showing all analyzed parameters for both media are included in **Appendix F**. More specifically, the groundwater analytical results were compared to the PA Act 2 Medium Specific Concentrations (MSC) for a Residential, Used Aquifer. The surface water laboratory analytical data were compared to PA Chapter 93 Criteria, with the exception of the PFAS analytical results, which were compared to the Environmental Protection Agency (EPA) Ambient Water Quality Criteria (AWQC) for Human Health and Aquatic Life. Note that the EPA AWQC are not ‘applicable’ as they have not been adopted and were only utilized as relevant criteria for the evaluation of the analytical data. When applicable Chapter 93 or EPA AWQC were not available for a particular compound, the surface water laboratory analytical result was compared to the PA Act 2 MSCs for a Residential, Used Aquifer. Findings, which may be drawn from the review of data from the comprehensive synchronous monitoring network sampling event are summarized in **Section 4.2 (Groundwater)** and **Section 4.3 (Surface Water)**.

Additionally, the results of quality control sampling and analysis that was conducted during these activities are presented in **Section 4.4**.

Laboratory analytical reports and chain-of-custody documentation are included in **Appendix G**.

4.1 Groundwater Level Monitoring

Between May 19 and May 29, 2026, GES completed liquid-level gauging activities of the entire accessible monitoring well network. The full monitoring well network included the newly installed nested well set (MW-85), 57 overburden wells, 43 shallow bedrock wells, 17 intermediate bedrock wells, and 23 deep bedrock monitoring wells. As mentioned previously (see **Section 3.7**), 19 monitoring wells of the previously listed wells were determined to be abandoned, destroyed, unable to be located, or inaccessible due to safety concerns and could not be gauged. The gauging data were recorded on field gauging sheets included in **Appendix F**.

Liquid-level data were then organized into four different depth zones (i.e., overburden, shallow bedrock, intermediate bedrock, and deep bedrock) and measurements were converted to groundwater elevations for each monitoring point based upon previously available survey information. The groundwater monitoring zones were established during previous investigations at the Site as follows: overburden zone (depth above top of rock); shallow bedrock zone (between top of rock and 120 feet bgs); intermediate bedrock zone (between 120-222 feet bgs); and deep bedrock (>222 feet bgs). Calculated groundwater elevations for each monitoring location organized by monitoring zone are presented in **Table 1**.

The groundwater elevation data were used to prepare groundwater elevation contour maps for the four monitoring zones: **Figure 5** presents groundwater elevation contours for the overburden zone; **Figure 6** presents groundwater elevation contours for the shallow bedrock zone; **Figure 7** presents groundwater elevation contours for the intermediate bedrock zone; and **Figure 8** presents groundwater elevation contours for the deep bedrock zone.

Based on these maps, the groundwater gradients and flow directions in the four monitoring zones are as follows:

- Overburden – 0.036 ft/ft to the north
- Shallow Bedrock – 0.036 ft/ft to the north
- Intermediate Bedrock – Generally 0.028 ft/ft to the northeast
- Deep Bedrock – Generally 0.032 ft/ft to the northeast, with a significant groundwater low on the north side of Lancaster Avenue

Groundwater flow directions and gradients for this monitoring event are consistent with previous observations. Water-table conditions generally exist in both the overburden and bedrock zones. Regularly spaced contours with no outlier conditions are observed in the overburden and shallow bedrock zones.

Some localized mounding and sinking are evident in the intermediate and deep bedrock monitoring zones. Fracture density in the rock is known to decrease with depth; consequently, fractures are more frequent and better interconnected in the shallow bedrock zone and become less frequent and less interconnected at greater depths. Groundwater elevation contours exhibiting localized mounding or sinking conditions are not uncommon in similar geologic conditions as observed in these deeper zones. Overall, elevation contours in the intermediate and deep bedrock zones remain consistent, at the larger scale, with conditions in the overburden and shallow groundwater.

Previous investigations omitted wells exhibiting localized anomalies from their contour maps. For example, deep bedrock monitoring well MW-43C consistently exhibits low groundwater elevations relative to surrounding locations, with recorded water levels of 133.66 ft above mean sea level (amsl) in 2010, dry in 2011, 96.95 ft amsl in 2012, 97.94 ft amsl in 2014, and 157.00 ft amsl in May 2026. Recontouring the May 2026 deep bedrock zone groundwater elevations without MW-43C (**Figure 9**) yields groundwater elevation contour patterns consistent with overlying zones, supporting the conclusion that the Site aquifer system generally behaves as a single unconfined aquifer. While regional groundwater flow and COC migration remain consistently toward the northeast, the localized mounds and sinks in the bedrock will govern the precise spatial distribution and geometry of COCs near these wells.

4.2 Groundwater Quality

A comparison of the laboratory analytical results to the applicable PA Act 2 Residential, Used Aquifer MSCs for the groundwater data gap pre-design investigation samples was conducted. Maps displaying the comparisons of groundwater concentrations for TCE, PFOA, fluoride,

chromium, manganese, nickel, and Cr(VI) in each groundwater zone to the PA Act 2 Residential, Used Aquifer MSCs were prepared to illustrate the spatial distributions of impacts in the aquifer at the Site. TCE was selected because it is the primary VOC COC at the Site, PFOA was selected because it was the most widespread PFAS compound detected in groundwater, and fluoride was selected based on the previously identified data gaps in groundwater characterization for this COC. The metals were selected to display their distribution on and off the Source Property. The data are presented as follows:

- The extent of TCE impacts in the overburden, shallow bedrock, intermediate bedrock, and deep bedrock monitoring zones are presented in **Figures 10, 11, 12, and 13**, respectively.
- The extent of PFOA impacts in the overburden, shallow bedrock, intermediate bedrock, and deep bedrock monitoring zones are presented in **Figures 14, 15, 16, and 17**, respectively.
- The extent of fluoride impacts in the overburden, shallow bedrock, intermediate bedrock, and deep bedrock monitoring zones is presented in **Figures 18, 19, 20, and 21**, respectively.
- The extent of chromium impacts in the overburden, shallow bedrock, intermediate bedrock, and deep bedrock monitoring zones is presented in **Figures 22, 23, 24, and 25**, respectively.
- The extent of manganese impacts in the overburden, shallow bedrock, intermediate bedrock, and deep bedrock monitoring zones is presented in **Figures 26, 27, 28, and 29**, respectively.
- The extent of nickel impacts in the overburden, shallow bedrock, intermediate bedrock, and deep bedrock monitoring zones is presented in **Figures 30, 31, 32, and 33**, respectively.
- The extent of Cr(VI) impacts in the overburden, shallow bedrock, intermediate bedrock, and deep bedrock monitoring zones is presented in **Figures 34, 35, 36, and 37**, respectively.
- A map presenting the combined maximum extent of the TCE exceedances of the relevant PA Act 2 Residential, Used Aquifer MSCs in groundwater for all monitoring zones was prepared and is included as **Figure 38**.

Observations made from these comparisons include the following.

- Chlorinated solvents, which were previously identified as Site COCs, were detected at concentrations comparable to historical levels in previously sampled locations. However, elevated TCE concentrations at the newly added pre-design MW-85 nested well set indicate the continued existence of a data gap in the northeastern portion of the Source Property that warrants additional investigation (e.g., TCE was detected at 28,000 µg/L in newly installed shallow bedrock well MW-85A).
 - o Overburden groundwater in this northeastern Source Property area exhibited low to trace TCE concentrations, including SMP-3 (3.7 µg/L), SMP-4 (2.5 µg/L), and SMP-5 (0.78 µg/L) (**Figure 10**).

- o In contrast, shallow and intermediate bedrock exhibit significantly elevated TCE concentrations in this northeastern Source Property area, with MW-85A at 28,000 µg/L and MW-85B at 2,200 µg/L, respectively (**Figures 11 and 12**).
- o Overall, TCE mass distribution generally increases with depth toward the northeast; however, observations at the MW-85 set demonstrate a localized eastward component of TCE movement within the bedrock (**Figures 10-13**).
- o The spatial distribution of the TCE plume within the bedrock zones on the northeastern Source Property area, combined with coincidental groundwater mounding and sinking observed in groundwater elevation contours in the intermediate and deep bedrock zones across this area and Western Village Way (**Figures 7 and 8**), suggests these hydrogeologic features influence localized COC distribution in this area of the Site and require further evaluation.
- o The spatial distribution along the northern extent of the TCE plume in the shallow bedrock zone is not fully delineated. It was previously thought that Valley Creek would be the discharge point and maintain control along the northern length of the plume. This investigation showed that TCE impacts in shallow bedrock may be migrating underneath and beyond the stream; therefore, additional delineation/VI evaluation is recommended in this area (see **Figure 38**).
- PFAS compounds, including perfluorooctanoic acid (PFOA), perfluorononanoic acid (PFNA), and perfluorooctanesulfonic acid (PFOS), were detected at concentrations above the applicable PA Act 2 Residential, Used Aquifer MSCs. Note, the highest concentration of PFOS was detected in MW-33 located off the Source property at a concentration of 660 ng/L (**Figures 14-17 and Table 3B**).
- Fluoride was detected at concentrations above the PA Act 2 Residential, Used Aquifer MSCs in 15 of the 62 monitoring wells sampled for the compound. The fluoride concentrations detected above the PA Act 2 Residential, Used Aquifer MSC were concentrated on the Source Property in all zones.
- Other metals, including chromium (5 locations), manganese (16 locations), and nickel (2 locations) were detected at concentrations above the PA Act 2 Residential, Used Aquifer MSCs. The metals concentrations detected above the PA Act 2 Residential, Used Aquifer MSCs were concentrated on the Source Property.
 - o Chromium exceeded in samples collected from the overburden (MW-65, SMP-3, SMP-4, and SMP-5) and intermediate bedrock (MW-85B) zones on the Source Property. Note that detections above the PA Act 2 Residential, Used Aquifer MSC are concentrated along the northeastern plume.
 - o Manganese had exceedances in overburden, shallow bedrock, and intermediate bedrock zones.
 - o Nickel exceeded in samples collected from the overburden (SMP-4) and shallow bedrock (MW-22) zones.
 - o Cr(VI) does not have a PA Act 2 Residential, Used Aquifer MSC; however, when the concentrations are compared against the Total Chromium PA Act 2 MSC for a Residential, Used Aquifer, there are exceedances in the overburden, shallow bedrock, and intermediate bedrock zones.

From **Figures 10-13**, the following was observed from each zone:

- The highest TCE concentrations are observed to persist in the overburden groundwater monitoring zone in proximity to the former vapor degreaser in Building 8 and extend off of the Source Property to the northeast across Lancaster Avenue;
- The highest TCE concentrations are observed to persist in the shallow bedrock monitoring zone in the eastern portion of the Source Property at the newly installed monitoring well MW-85A location at a concentration of 28,000 µg/L and extend off of the Source Property to the northeast across Lancaster Avenue and Conestoga Road;
- The highest TCE concentrations are observed to persist in the intermediate groundwater monitoring zone just off of the Source Property to the northeast and extend across Lancaster Avenue;
- The highest TCE concentrations are observed to persist in the deep bedrock monitoring zone in the northern portion of the Source Property, where the highest concentrations of Site VOC COCs in any zone were detected (i.e., highest detections of TCE in MW-26C, MW-75A, MW-75B, and MW-78C) and extend off of the Source Property to the northeast across Lancaster Avenue toward Conestoga Road.

Figures 14-17 show a potential source area of PFOA in proximity to the former vapor degreaser area in Building 8 (**Figure 14**) and movement of the center of mass of this COC in the shallow, intermediate, and deep bedrock zones (**Figures 15-17**, respectively) is consistent with the TCE plume. Currently, no monitoring wells are present directly upgradient of the known VOC source area in Building 8.

Figures 18-21 show that the highest concentrations and exceedances of fluoride were detected in the overburden zone and stream monitoring points (SMPs) along the east side of Little Valley Creek, and in the shallow bedrock zone in proximity to the former cesspool area located south of Building 5.

Figures 22-25 show that the highest concentrations and exceedances of the PA Act 2 Residential, Used Aquifer MSC for dissolved total chromium were detected in the overburden zone (SMP-3 through SMP-5 and MW-65) and in the intermediate bedrock zone (MW-85B) along the east side of Little Valley Creek.

Figures 26-29 show that the highest concentrations and exceedances of the PA Act 2 Residential, Used Aquifer MSC for dissolved manganese were detected in the overburden, shallow bedrock, and intermediate bedrock zones in proximity to the former vapor degreaser area in the western portion of Building 8; in the parking area east of Building 8; and to the north of the Source Property across the railroad tracks.

Figures 30-33 show that the highest concentrations and exceedances of the PA Act 2 Residential, Used Aquifer MSC for dissolved nickel were detected in the overburden zone in SMP-4 along the east side of Little Valley Creek, and in the shallow bedrock zone in proximity to the former drum storage area (MW-22) located south of Building 8.

Figures 34-37 show that the highest concentrations for dissolved Cr(VI) were detected in the overburden zone (SMP-3 through SMP-5, and MW-65), in the shallow bedrock zone (MW-22), and in the intermediate bedrock zone (MW-85B) along the east side of Little Valley Creek.

4.3 Surface Water Quality

A comparison of the laboratory analytical results to the applicable Chapter 93 criteria or relevant EPA AWQC criteria, or PA Act 2 MSCs (when no applicable or relevant criteria were available) for the surface water data gap pre-design investigation samples showed the following:

- TCE was detected in surface water at concentrations above the Chapter 93 Surface Water Criteria for Human Health in four (4) locations: SW-3, SW-4, SW-5, and SW-6. Surface Water sample locations can be found on **Figure 39**.
- 1,2,4-Trichlorobenzene was detected in surface water at concentrations above the Chapter 93 Surface Water Criteria for Human Health in one (1) location: SW-3.
- Four (4) additional Site COCs, including benzene, carbon tetrachloride, 1,1,2-trichloroethane, and vinyl chloride, were reported at non-detectable levels in the various surface water sampling locations but had laboratory reporting limits (RLs) exceeding the applicable surface water criteria.
- PFAS compounds, including perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS) were detected in surface water at concentrations above the relevant EPA AWQC in all sampled locations (SW-1 and SW-3 through SW-10).
- Fluoride was not detected in surface water at concentrations above the applicable Chapter 93, Table 3: Specific Surface Water Quality Criteria.
- Cr(VI) was detected in surface water in samples from eight (8) sampling locations (SW-3 through SW-10) at concentrations above the Chapter 93 Surface Water Quality Fish and Aquatic Life Criteria for Continuous Concentrations. Note that this specific criterion was selected as a conservative, relevant criteria for comparison purposes; however, this criterion is typically only applicable to multiple rounds of sampling.

As part of the data evaluation, several steps were necessary to determine and/or calculate applicable or relevant surface water criteria for select parameters:

- Dissolved nickel was detected in samples collected from all locations (SW-1 through SW-10). Surface water criteria for nickel is calculated using a hardness (H)-based equation. As such, the following was subsequently requested and provided by ELLE:
 - o Calculated Total Hardness (SM 2340B-2011) as Calcium Carbonate (CaCO_3) for all surface water samples using the Calcium and Magnesium analytical data for each location.

- The following Surface Water Criteria were then calculated for Nickel:
 - o Chapter 93 Surface Water Quality Fish and Aquatic Life Criteria - Continuous Concentrations (CCC) using the following equation:
$$CCC = 0.997 \times \text{Exp}(0.846 \times \ln[H] + 0.0584)$$
 - o Chapter 93 Surface Water Quality Fish and Aquatic Life Criteria - Maximum Concentrations (CMC) using the following equation:
$$CMC = 0.998 \times \text{Exp}(0.846 \times \ln[H] + 2.255)$$
 - o Where $\ln[H]$ is the Natural Logarithm of the Hardness of the stream as CaCO_3 .
 - o Using the lowest Total Hardness value of 88 mg/L, lower and more conservative standards were then calculated for nickel, resulting in the following:
 - CCC = 0.047 mg/L
 - CMC = 0.420 mg/L
- The nickel concentrations in the surface water samples were then compared to all relevant criteria and determined to be below the most stringent standard of 0.047 mg/L.

4.4 Quality Assurance/Quality Control

QA/QC samples were collected as discussed in **Section 3**. A summary of the QA/QC sample data evaluation is provided below.

Groundwater - VOCs

- 2-Butanone, acetone, chloroform, and methylene chloride were detected at concentrations below the PA Act 2 MSCs for a Residential, Used aquifer in the aqueous Field Blank QA/QC samples.
- Acetone was also detected at concentrations below the PA Act 2 MSCs for a Residential, Used aquifer in one aqueous Trip Blank QA/QC sample.
- 1,1,2,2-Tetrachloroethane, 1,2-dibromo-3-chloropropane (DBCP) and 1,2-dibromoethane were not detected at concentrations above the laboratory RL; however, the laboratory RLs exceeded the PA Act 2 MSCs for a Residential, Used aquifer in all the aqueous QA/QC samples.

Groundwater - PFAS

- PFOS was detected at a concentration above the PA Act 2 MSC for a Residential, Used aquifer in the aqueous Field Blank QA/QC sample collected on June 5, 2026.

Groundwater - Fluoride

- Fluoride was not detected at concentrations above the laboratory RL in the aqueous QA/QC samples.

Groundwater - Metals

- Manganese was detected at a concentration below the PA Act 2 MSC for a Residential, Used aquifer in one aqueous Field Blank QA/QC sample.

Surface Water - VOCs

- 1,1,2-Trichloroethane, 1,1,2,2-tetrachloroethane, 1,2-dichloropropane, 1,2,4-trichlorobenzene, 1,3-dichloropropene, benzene, carbon disulfide, carbon tetrachloride, chlorodibromomethane, TCE, and vinyl chloride were not detected at concentrations above the laboratory RL; however, the laboratory RLs exceeded applicable or relevant surface water criteria in the one (1) aqueous Field Blank and Trip Blank QA/QC sample.

Surface Water - PFAS

- PFOA and PFOS were detected at a concentration above the relevant surface water criteria in the one (1) aqueous Field Blank QA/QC sample.

Surface Water - Fluoride

- Fluoride was not detected at concentrations above the laboratory RL in the one (1) aqueous Field Blank QA/QC sample.

Surface Water - Inorganics

- None of the analyzed compounds were detected at concentrations above the laboratory RL in the one (1) aqueous Field Blank QA/QC sample. Note that the Cr(VI) samples submitted for laboratory analysis were received at the laboratory at a low pH (9.1). The field preservation/buffering was completed to ensure the samples did not exceed the maximum pH range (9.3-9.7). Therefore, the laboratory completed buffering of the samples to within the method range. Only surface water samples SW-3, SW-6, and Field Blank SW could not be adjusted to within range at the laboratory.

Based on the summarized QA/QC results above, the PFOS detection (9.4 ng/L) above the PA Act 2 MSC for a Residential, Used Aquifer in Field Blank #6 collected on June 5, 2026, compromises the data from other PFAS samples collected on that date. It is recommended that recollection of confirmatory PFAS samples from select monitoring wells (MW-13, MW-30CR, MW-85A, MW-85B, PZ-1, PZ-6, PZ-7, and PZ-9) be completed. Additionally, future Cr(VI) samples should be either correctly field preserved/buffered, or laboratory filtering/buffering requested. Finally, due to the laboratory RLs for select VOC parameters exceeding the PA Act 2 MSCs for a Residential, Used Aquifer adding uncertainty to the data results, alternative analytical methods should be considered for future sampling events (e.g., a low-level concentration (or Selected Ion Monitoring [SIM]) method). This will allow further evaluation of potential groundwater influence on surface water at the Site. A summary of all qualifiers and laboratory case narrative documentation is included in the laboratory analytical reports included in **Appendix G**.

5 Investigation Derived Waste Disposal

Upon completion of site characterization activities, solid and liquid samples were collected for the appropriate analyses in accordance with the recommended disposal facility's requirements and any applicable municipal or regulatory agency requirements to determine waste disposition.

The waste classification samples were submitted to ELLE for analysis to determine appropriate waste classification and handling requirements. All waste classification and handling activities were conducted in accordance with relevant hazardous and residual waste regulations, including the requirements of 25 Pa. Code, Articles VII, Chapters 260a through 270a and 25 Pa. Code, Article IX, Chapter 287. ELLE is accredited by the Pennsylvania Bureau of Laboratories, Laboratory Accreditation Program (LAP), for all analytical parameters, methods, and technologies used per 25 Pa. Code, Chapter 252 under the National Environmental Laboratory Accreditation Program (NELAP).

Based on the waste classification analytical results, the bidding waste contractors indicated that the waste would meet non-hazardous classification requirements. A copy of the waste classification analytical data report is included in **Appendix H**. Pending approval of the recommended subcontractor and disposal facility, the waste will be removed from the Site and properly disposed.

6 Conclusions

The following conclusions can be drawn based on review of the groundwater and surface water data gap pre-design investigation analytical results:

- Chlorinated solvents, which were previously identified as Site COCs, were detected at concentrations above the PA Act 2 Residential, Used Aquifer MSC in newly installed monitoring wells MW-85A and MW-85B. These exceedances of the relevant standards indicate that the shallow and intermediate bedrock zones are impacted on the east side of Little Valley Creek in closer proximity to the residential homes on the west end of Village Way than had been originally identified.
- PFOA and PFOS were detected at concentrations above the PA Act 2 Residential, Used Aquifer MSCs in groundwater samples during the data gap pre-design investigation. The highest concentrations of PFOA were detected in overburden groundwater in proximity to the former vapor degreaser in Building 8.
- PFOA and PFOS were detected at concentrations above the relevant surface water screening value in all sampling locations (SW-1 and SW-3 through SW-10).
- Cr(VI) was detected at concentrations above the applicable surface water criteria in all sampling locations (SW-3 through SW-10) except SW-1 (the most upstream location).
- Groundwater elevations and related flow directions and gradients are consistent with previous investigations. However, localized mounding and sinks observed in the intermediate and deep bedrock groundwater monitoring zones may affect localized flow dynamics in the vicinity of the east side of Little Valley Creek and in closer

proximity to the residential homes on the west end of Village Way. These localized flow dynamics may be affecting the spatial distribution of the TCE plume within the bedrock zones on the northeastern Source Property area and in the vicinity of western Village Way.

7 Recommendations

Based on the conclusions listed above, the following activities are recommended:

- Sampling of monitoring wells that could not be accessed or located during this round of sampling, including monitoring wells located inside Building 5 (i.e., MW-23, MW-66), should be attempted again.
- During any future groundwater sampling of the full monitoring well network and surface water sampling for VOC analysis, all samples where high concentrations of VOCs are not expected should be run at a low-level concentration (or Selected Ion Monitoring [SIM]) method to attain necessary reporting limits (i.e., 1,2-dichloroethane).
- Additional investigation to the east of the Source Property, including:
 - o Implementation of a supplemental vapor intrusion (VI) assessment in the vicinity of MW-85 including an evaluation of potential preferential vapor migration pathways.
 - o Installation and sampling of additional monitoring wells to the southeast and east-southeast of MW-85 to further define the extent of impacts in the overburden and shallow bedrock zones in this area of the Site.
- Additional investigation along the northern edge of the approximate TCE plume boundary, including:
 - o Implementation of a supplemental vapor intrusion (VI) evaluation, including an evaluation of potential preferential vapor migration pathways.
 - o Potential installation and sampling of an additional monitoring well within the current approximate extent of the TCE plume and where the approximate plume intersects Conestoga Road to further define the extent of impacts in the shallow bedrock zones in this area of the Site.
- Additional delineation of the PFAS overburden groundwater plume to the west and south of the former vapor degreaser area in Building 8 to evaluate potential contributions from off-property sources in addition to the impacts identified to be correlated to the former vapor degreaser in Building 8.
- Based on the exceedance for PFOS in the Field Blank collected on June 5, 2026, it is recommended that collection of confirmatory PFAS samples from select monitoring wells (MW-13, MW-30CR, MW-85A, MW-85B, PZ-1, PZ-6, PZ-7, and PZ-9) be completed.



- Based on the widespread detections and exceedances of select PFAS compounds at the Site, a plume-wide PFAS evaluation is recommended to determine the concentrations of various compounds spatially across the plume. This information will be utilized to determine potential off-site sources and/or additional source areas.
- Based on the observation of localized groundwater mounding and sinks in the intermediate and deep bedrock zones and the potential for large fluctuations in groundwater levels in these areas due to the effects of fracture flow, long-duration water level transducer monitoring is recommended in monitoring wells MW-43C, MW-57B, MW-85B, and other, to be determined, surrounding monitoring wells, to better understand the localized flow dynamics between the groundwater monitoring zones in these areas.

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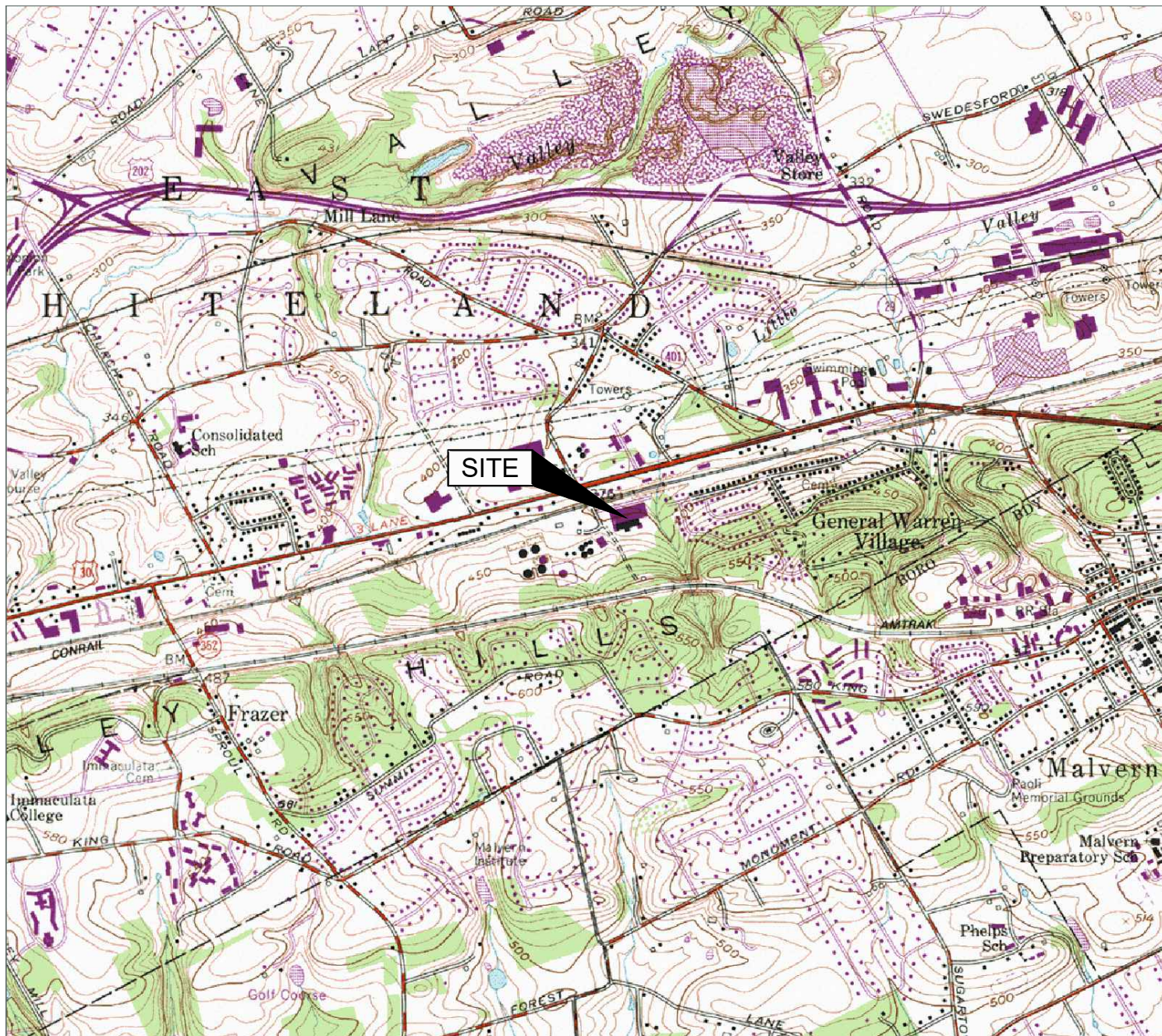
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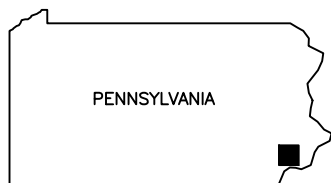
Figures



Figure 1 – Site Location Map



Source:
USGS 7.5 Minute Series
Topographic Quadrangle, 1966 (1983)
Malvern, Pennsylvania
Contour Interval = 10'



QUADRANGLE LOCATION

Site Location Map

Pennsylvania Dept of Environmental Protection
Bishop Tube
1 South Malin Road
Frazer, Pennsylvania

Drawn
T.P.
Designed
A.G.
Approved
D.N.G.

Date
10/13/25
Figure
1



Scale In Feet

0 2,000



Groundwater & Environmental Services, Inc.



Figure 2 – Source Property Layout



SOURCE: MAP DEVELOPED UTILIZING PASDA OVERHEAD IMAGERY AND INFORMATION FROM ROUX ASSOCIATES, INC.

Source Property Layout

Pennsylvania Dept of Environmental Protection
Bishop Tube
1 South Malin Road
Frazer, Pennsylvania

Drawn
T.P.
Designed
D.Y.
Approved
T.F.U.

Date
06/26/26
Figure
2



Scale In Feet

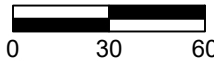
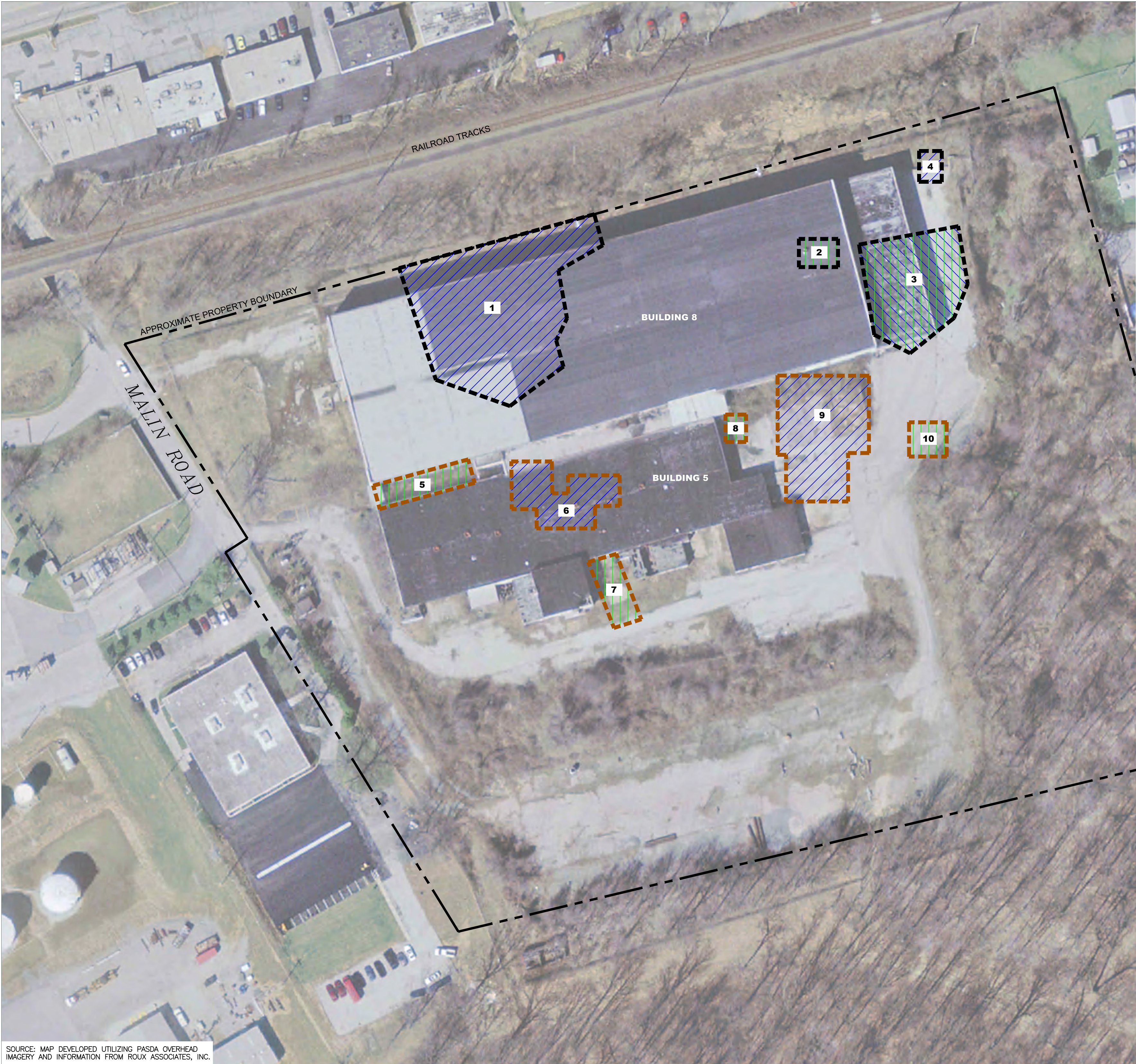
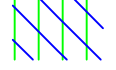




Figure 3 – Target Treatment Area (GES AOC) Location Map



LEGEND

BLACK OUTLINE	UNSATURATED OVERBURDEN = 0-6 FEET BGS SATURATED OVERBURDEN = 6-12 FEET BGS TOP OF BEDROCK = 12 FEET BGS
ORANGE OUTLINE	UNSATURATED OVERBURDEN = 0-12 FEET BGS SATURATED OVERBURDEN = 12-26 FEET BGS TOP OF BEDROCK = 26 FEET BGS
	VOCs ARE THE PRIMARY DRIVER
	INORGANICS ARE THE PRIMARY DRIVER
	VOCs AND INORGANICS ARE THE PRIMARY DRIVER
BGS	BELOW GRADE SURFACE
VOCs	VOLATILE ORGANIC COMPOUNDS

NOTES:

1) THE TARGETED TREATMENT AREAS ARE APPROXIMATE AND BASED ON REMEDIAL INVESTIGATIONS BY OTHERS. ADDITIONAL SOIL SAMPLING MAY NEED TO BE CONDUCTED DURING PRE-DESIGN ACTIVITIES TO CONFIRM TREATMENT AREA BOUNDARIES.

2) PINNACLED BEDROCK IS PRESENT AT THE PROPERTY AND THEREFORE THE DEPTH TO BEDROCK IS HIGHLY VARIABLE. THE TOP OF BEDROCK IN EACH AREA REPRESENTS AN ESTIMATED AVERAGE IN THE IMMEDIATE AREA.

Target Treatment Area (GES AOC)
Location Map

Pennsylvania Dept of Environmental Protection
Bishop Tube
1 South Malin Road
Frazer, Pennsylvania

Drawn
T.P.
Designed
B.A.H.
Approved
D.N.G.



Date
10/31/25
Figure
3

Scale In Feet

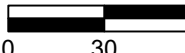




Figure 4 – Monitoring Well Location Map



- LEGEND**
- PROPERTY BOUNDARY (APPROXIMATE)
 - STREAM
 - MONITORING WELL LOCATION
 - STREAM MONITORING POINT
 - ABANDONED STREAM MONITORING POINT
 - PIEZOMETER

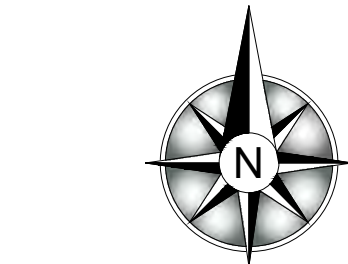
Source:
Map prepared utilizing GEOMAP Overhead imagery.

Monitoring Well Location Map

Pennsylvania Dept of Environmental Protection
Bishop Tube
1 South Malin Road
Frazer, Pennsylvania

Drawn
T.P.
Designed
T.F.U.
Approved
T.F.U.

Date
08/26/26
Figure
4



Scale in Feet
0 160 320





Figure 5 – Groundwater Contour Map - Overburden (May 2026)



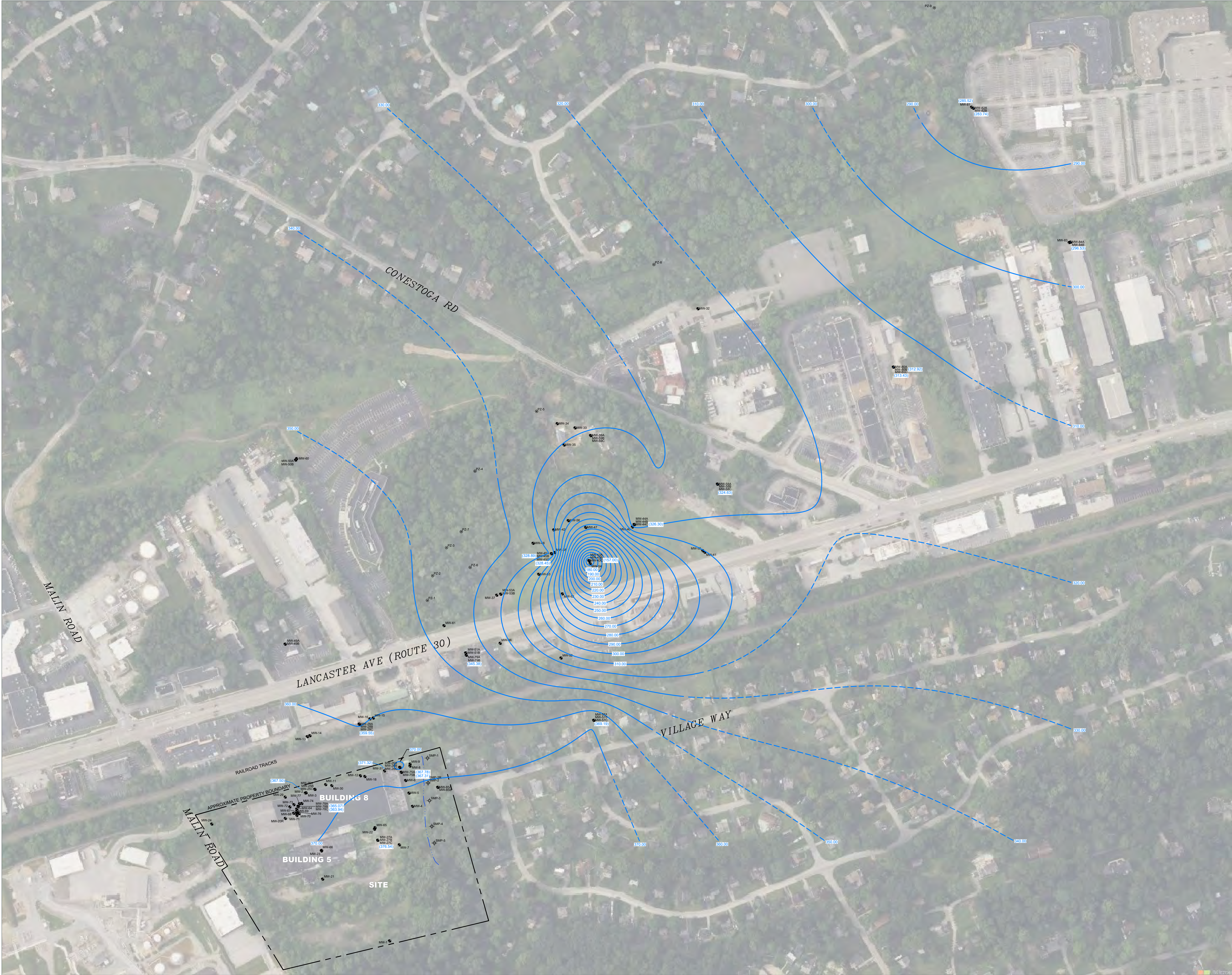
Figure 6 – Groundwater Contour Map – Shallow Bedrock (May 2026)



Figure 7 – Groundwater Contour Map – Intermediate Bedrock (May 2026)



Figure 8 – Groundwater Contour Map – Deep Bedrock (May 2026)



- LEGEND**
- PROPERTY BOUNDARY (APPROXIMATE)
 - STREAM
 - MONITORING WELL LOCATION
 - STREAM MONITORING POINT
 - ABANDONED STREAM MONITORING POINT
 - PIEZOMETER
 - (285.52) GROUNDWATER ELEVATION (feet above mean sea level)
 - 290.00 GROUNDWATER CONTOUR (feet above mean sea level)
 - CONTOURS DASHED WHERE INFERRED

NOTE: CONTOUR INTERVAL 10.00 (feet above mean sea level).

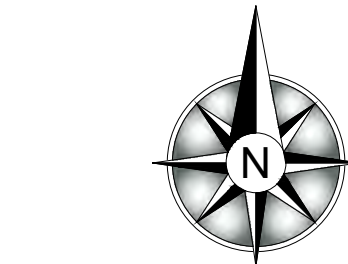
Source:
Map prepared utilizing GEOMAP Overhead imagery.

**Groundwater Contour Map
(Deep Bedrock)
May 2026**

Pennsylvania Dept of Environmental Protection
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1 South Malin Road
Frazer, Pennsylvania

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T.F.U.

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Figure
8



Scale In Feet



Groundwater & Environmental Services, Inc.



Figure 9 – Groundwater Contour Map – Deep Bedrock without MW-43C (May 2026)



Figure 10 – TCE Concentration Map – Overburden May 2026



Figure 11 – TCE Concentration Map – Shallow Bedrock May 2026



Figure 12 – TCE Concentration Map – Intermediate Bedrock May 2026



Figure 13 – TCE Concentration Map – Deep Bedrock May 2026

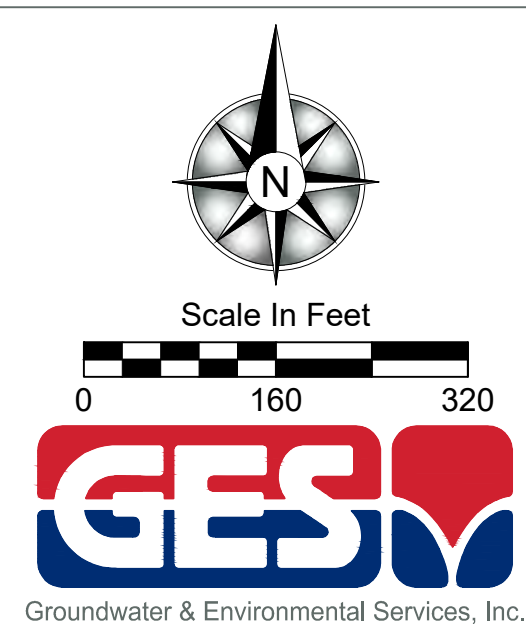




Figure 14 – PFOA Concentration Map – Overburden May 2026



Figure 15 – PFOA Concentration Map – Shallow Bedrock May 2026



- LEGEND**
- PROPERTY BOUNDARY (APPROXIMATE)
 - STREAM
 - MONITORING WELL LOCATION
 - STREAM MONITORING POINT
 - ABANDONED STREAM MONITORING POINT
 - PIEZOMETER
 - PFOA CONCENTRATION BELOW STATEWIDE HEALTH STANDARD OR NOT DETECTED
 - PFOA CONCENTRATION ABOVE STATEWIDE HEALTH STANDARD
 - PFOA CONCENTRATION (ng/L)
 - NOT SAMPLED
 - PFOA PERFLUOROOCTANIC ACID
 - (ng/L) NANOGRAMS PER LITER

NOTES:

1) DEP GROUNDWATER STATEWIDE HEALTH STANDARD FOR A USED, RESIDENTIAL AQUIFER: 4 ng/L.

2) ANY MONITORING WELL LOCATIONS THAT DO NOT HAVE A CONCENTRATION OR A NOT SAMPLED (NS) DESIGNATION REPRESENTED ARE NOT INCLUDED IN THE SPECIFIC MONITORED ZONE.

3) DEP ACT 2 STANDARDS WERE CONVERTED TO ng/L NANOGRAMS PER LITER FROM µg/L MICROGRAMS PER LITER DUE TO LABORATORY REPORTING ALL DATA IN NANOGRAMS PER LITER.

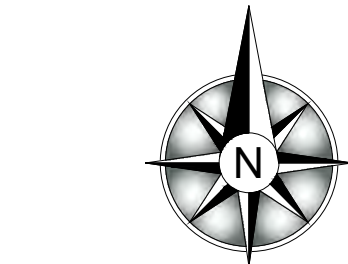
Source:
Map prepared utilizing GEOMAP Overhead imagery.

**PFOA Concentration Map
Shallow Bedrock
May 2026**

Pennsylvania Dept of Environmental Protection
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15



Scale In Feet
0 160 320





Figure 16 – PFOA Concentration Map – Intermediate Bedrock May 2026



Figure 17 – PFOA Concentration Map – Deep Bedrock May 2026



LEGEND

- PROPERTY BOUNDARY (APPROXIMATE)
- STREAM
- MONITORING WELL LOCATION
- STREAM MONITORING POINT
- ABANDONED STREAM MONITORING POINT
- PIEZOMETER
- PFOA CONCENTRATION BELOW STATEWIDE HEALTH STANDARD OR NOT DETECTED
- PFOA CONCENTRATION ABOVE STATEWIDE HEALTH STANDARD
- PFOA CONCENTRATION (ng/L)
- RESULT IS LESS THAN THE REPORTING LIMIT BUT GREATER THAN OR EQUAL TO THE METHOD DETECTION LIMIT AND THE CONCENTRATION IS AN APPROXIMATE VALUE
- NOT SAMPLED
- NS
- PFOA PERFLUOROOCTANIC ACID
- (ng/L) NANOGRAMS PER LITER

NOTES:

1) DEP GROUNDWATER STATEWIDE HEALTH STANDARD FOR A USED, RESIDENTIAL AQUIFER: 4 ng/L.

2) ANY MONITORING WELL LOCATIONS THAT DO NOT HAVE A CONCENTRATION OR A NOT SAMPLED (NS) DESIGNATION REPRESENTED ARE NOT INCLUDED IN THE SPECIFIC MONITORED ZONE.

3) DEP ACT 2 STANDARDS WERE CONVERTED TO ng/L NANOGRAMS PER LITER FROM µg/L MICROGRAMS PER LITER DUE TO LABORATORY REPORTING ALL DATA IN NANOGRAMS PER LITER.

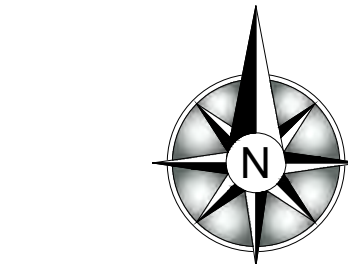
Source:
Map prepared utilizing GEOMAP Overhead imagery.

PFOA Concentration Map
Deep Bedrock
May 2026

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Bishop Tube
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Frazer, Pennsylvania

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T.F.U.

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17

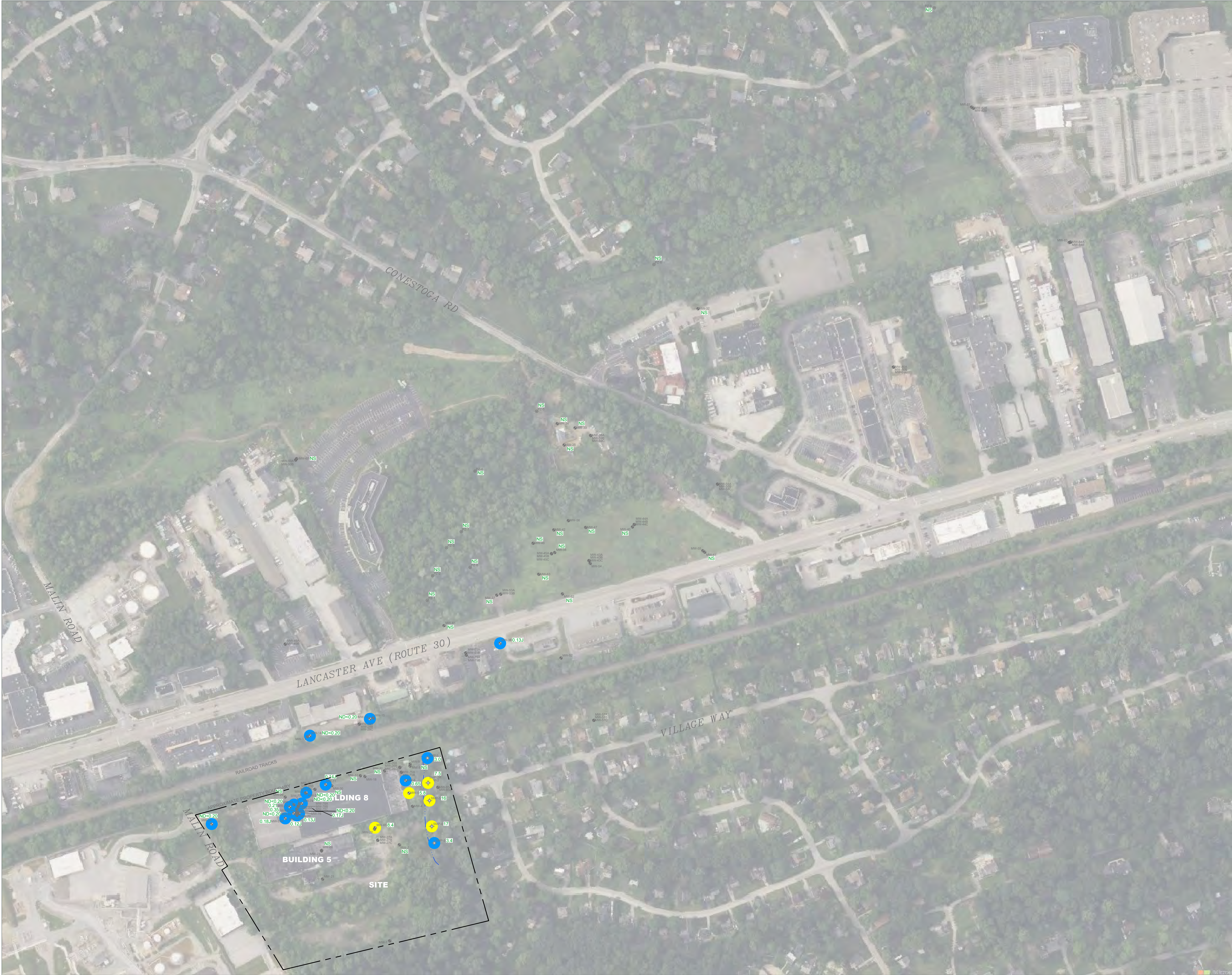


Scale in Feet





Figure 18 – Fluoride Concentration Map – Overburden May 2026



LEGEND

- PROPERTY BOUNDARY (APPROXIMATE)
- STREAM
- MONITORING WELL LOCATION
- STREAM MONITORING POINT
- ABANDONED STREAM MONITORING POINT
- PIEZOMETER
- FLUORIDE CONCENTRATION BELOW STATEWIDE HEALTH STANDARD OR NOT DETECTED
- FLUORIDE CONCENTRATION ABOVE STATEWIDE HEALTH STANDARD
- FLUORIDE CONCENTRATION (mg/L)
- 17
- ND<#
- J
- NS
- (mg/L)

NOTES:

- DEP GROUNDWATER STATEWIDE HEALTH STANDARD FOR A USED, RESIDENTIAL AQUIFER: 4 mg/L.
- ANY MONITORING WELL LOCATIONS THAT DO NOT HAVE A CONCENTRATION OR A NOT SAMPLED (NS) DESIGNATION REPRESENTED ARE NOT INCLUDED IN THE SPECIFIC MONITORED ZONE.
- DEP ACT 2 STANDARDS WERE CONVERTED TO mg/L MILLIGRAMS PER LITER FROM µg/L MICROGRAMS PER LITER DUE TO LABORATORY REPORTING ALL DATA IN MICROGRAMS PER LITER.

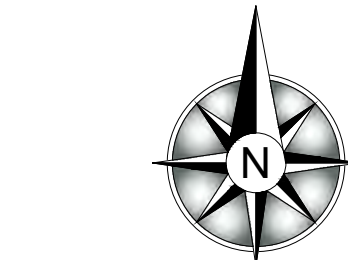
Source:
Map prepared utilizing GEOMAP Overhead imagery.

Fluoride Concentration Map
Overburden
May 2026

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Bishop Tube
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Scale in Feet
0 160 320



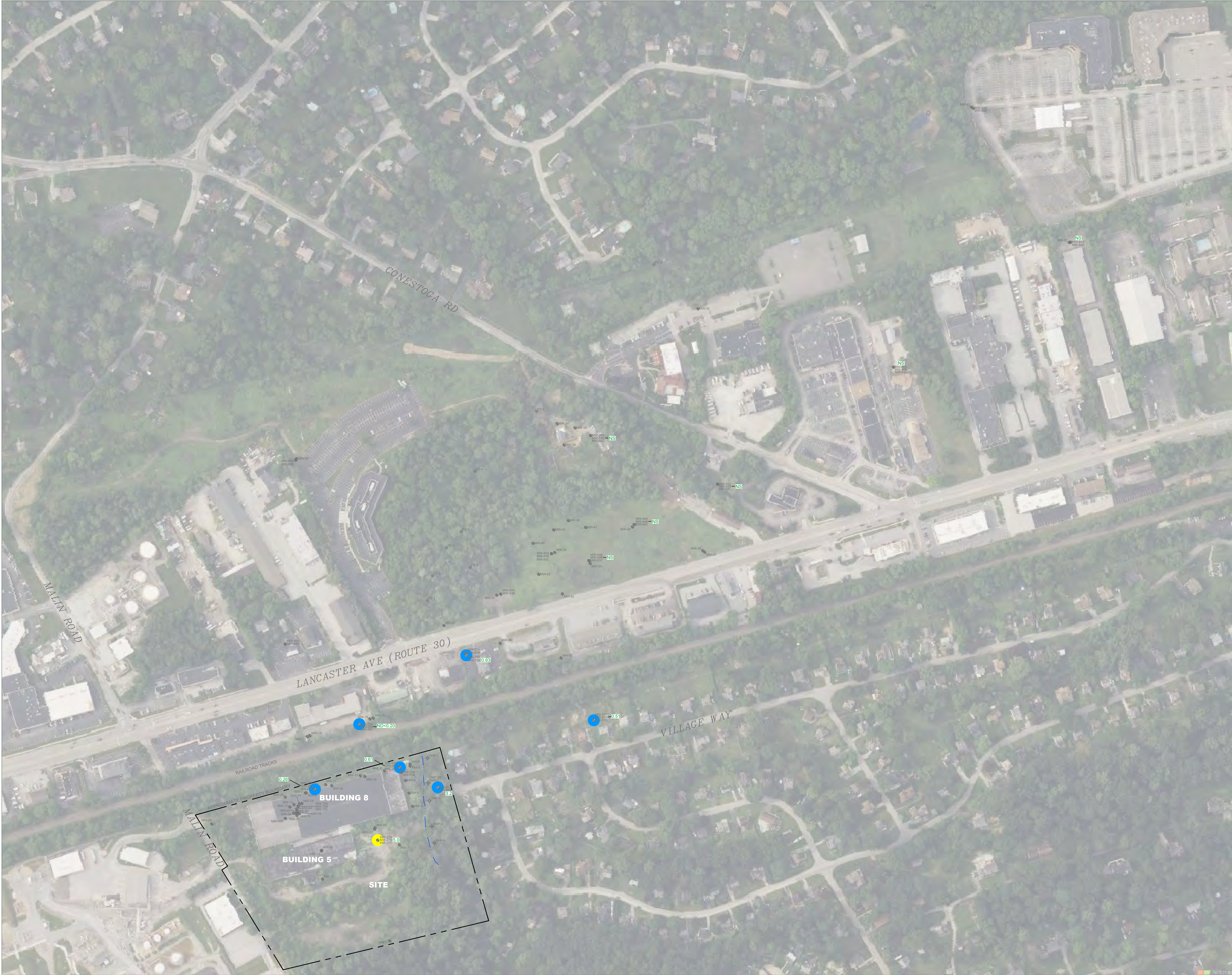


Figure 19 - Fluoride Concentration Map – Shallow Bedrock May 2026





Figure 20 - Fluoride Concentration Map – Intermediate Bedrock May 2026



LEGEND

- PROPERTY BOUNDARY (APPROXIMATE)
- STREAM
- MONITORING WELL LOCATION
- STREAM MONITORING POINT
- ABANDONED STREAM MONITORING POINT
- PIEZOMETER
- FLUORIDE CONCENTRATION BELOW STATEWIDE HEALTH STANDARD OR NOT DETECTED
- FLUORIDE CONCENTRATION ABOVE STATEWIDE HEALTH STANDARD
- 5 FLUORIDE CONCENTRATION (mg/L)
- ND<# INDICATES ANALYSIS WAS PERFORMED FOR THE TEST BUT WAS NOT DETECTED, THE SAMPLE REPORTING LIMIT IS REPORTED
- NS NOT SAMPLED
- (mg/L) MILLIGRAMS PER LITER

NOTES:

- 1) DEP GROUNDWATER STATEWIDE HEALTH STANDARD FOR A USED, RESIDENTIAL AQUIFER: 4 mg/L.
- 2) ANY MONITORING WELL LOCATIONS THAT DO NOT HAVE A CONCENTRATION OR A NOT SAMPLED (NS) DESIGNATION REPRESENTED ARE NOT INCLUDED IN THE SPECIFIC MONITORED ZONE.
- 3) DEP ACT 2 STANDARDS WERE CONVERTED TO mg/L MILLIGRAMS PER LITER FROM µg/L MICROGRAMS PER LITER DUE TO LABORATORY REPORTING ALL DATA IN MICROGRAMS PER LITER.

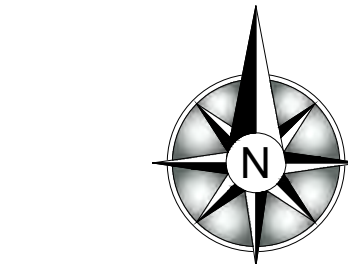
Source:
Map prepared utilizing GEOMAP Overhead imagery.

Fluoride Concentration Map
Intermediate Bedrock
May 2026

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Figure
20



Scale In Feet





Figure 21 - Fluoride Concentration Map – Deep Bedrock May 2026



LEGEND

- PROPERTY BOUNDARY (APPROXIMATE)
- STREAM
- MONITORING WELL LOCATION
- STREAM MONITORING POINT
- ABANDONED STREAM MONITORING POINT
- PIEZOMETER
- FLUORIDE CONCENTRATION BELOW STATEWIDE HEALTH STANDARD OR NOT DETECTED
- FLUORIDE CONCENTRATION ABOVE STATEWIDE HEALTH STANDARD
- 6.5 FLUORIDE CONCENTRATION (mg/L)
- ND<# INDICATES ANALYSIS WAS PERFORMED FOR THE TEST BUT WAS NOT DETECTED, THE SAMPLE REPORTING LIMIT IS REPORTED
- J RESULT IS LESS THAN THE REPORTING LIMIT BUT GREATER THAN OR EQUAL TO THE METHOD DETECTION LIMIT AND THE CONCENTRATION IS AN APPROXIMATE VALUE
- NS NOT SAMPLED
- (mg/L) MILLIGRAMS PER LITER

- NOTES:
- DEP GROUNDWATER STATEWIDE HEALTH STANDARD FOR A USED, RESIDENTIAL AQUIFER: 4 mg/L.
 - ANY MONITORING WELL LOCATIONS THAT DO NOT HAVE A CONCENTRATION OR A NOT SAMPLED (NS) DESIGNATION REPRESENTED ARE NOT INCLUDED IN THE SPECIFIC MONITORED ZONE.
 - DEP ACT 2 STANDARDS WERE CONVERTED TO mg/L MILLIGRAMS PER LITER FROM µg/L MICROGRAMS PER LITER DUE TO LABORATORY REPORTING ALL DATA IN MICROGRAMS PER LITER.

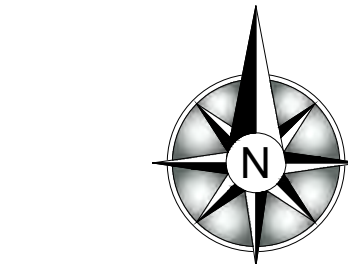
Source:
Map prepared utilizing GEOMAP Overhead imagery.

Fluoride Concentration Map
Deep Bedrock
May 2026

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Figure
21



Scale In Feet
0 160 320





Figure 22 - Chromium Concentration Map – Overburden May 2026



Figure 23 - Chromium Concentration Map – Shallow Bedrock May 2026



Figure 24 - Chromium Concentration Map – Intermediate Bedrock May 2026



LEGEND

- PROPERTY BOUNDARY (APPROXIMATE)
- STREAM
- MONITORING WELL LOCATION
- STREAM MONITORING POINT
- ABANDONED STREAM MONITORING POINT
- PIEZOMETER
- CHROMIUM CONCENTRATION BELOW STATEWIDE HEALTH STANDARD OR NOT DETECTED
- CHROMIUM CONCENTRATION ABOVE STATEWIDE HEALTH STANDARD
- CHROMIUM CONCENTRATION (mg/L)
- INDICATES ANALYSIS WAS PERFORMED FOR THE TEST BUT WAS NOT DETECTED, THE SAMPLE REPORTING LIMIT IS REPORTED
- RESULT IS LESS THAN THE REPORTING LIMIT BUT GREATER THAN OR EQUAL TO THE METHOD DETECTION LIMIT AND THE CONCENTRATION IS AN APPROXIMATE VALUE
- NOT SAMPLED
- MILLIGRAMS PER LITER

NOTES:

1) ANY MONITORING WELL LOCATIONS THAT DO NOT HAVE A CONCENTRATION OR A NOT SAMPLED (NS) DESIGNATION REPRESENTED ARE NOT INCLUDED IN THE SPECIFIC MONITORED ZONE.

2) DEP ACT 2 STANDARDS WERE CONVERTED TO mg/L FROM µg/L DUE TO LABORATORY REPORTING ALL DATA IN mg/L.

3) DEP GROUNDWATER STATEWIDE HEALTH STANDARD FOR A USED, RESIDENTIAL AQUIFER: 0.1 mg/L.

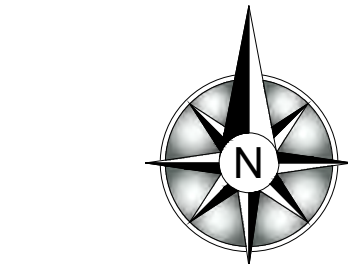
Source:
Map prepared utilizing GEOMAP Overhead imagery.

Chromium Concentration Map
Intermediate Bedrock
May 2026

Pennsylvania Dept of Environmental Protection
Bishop Tube
1 South Malin Road
Frazer, Pennsylvania

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T.F.U.

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24



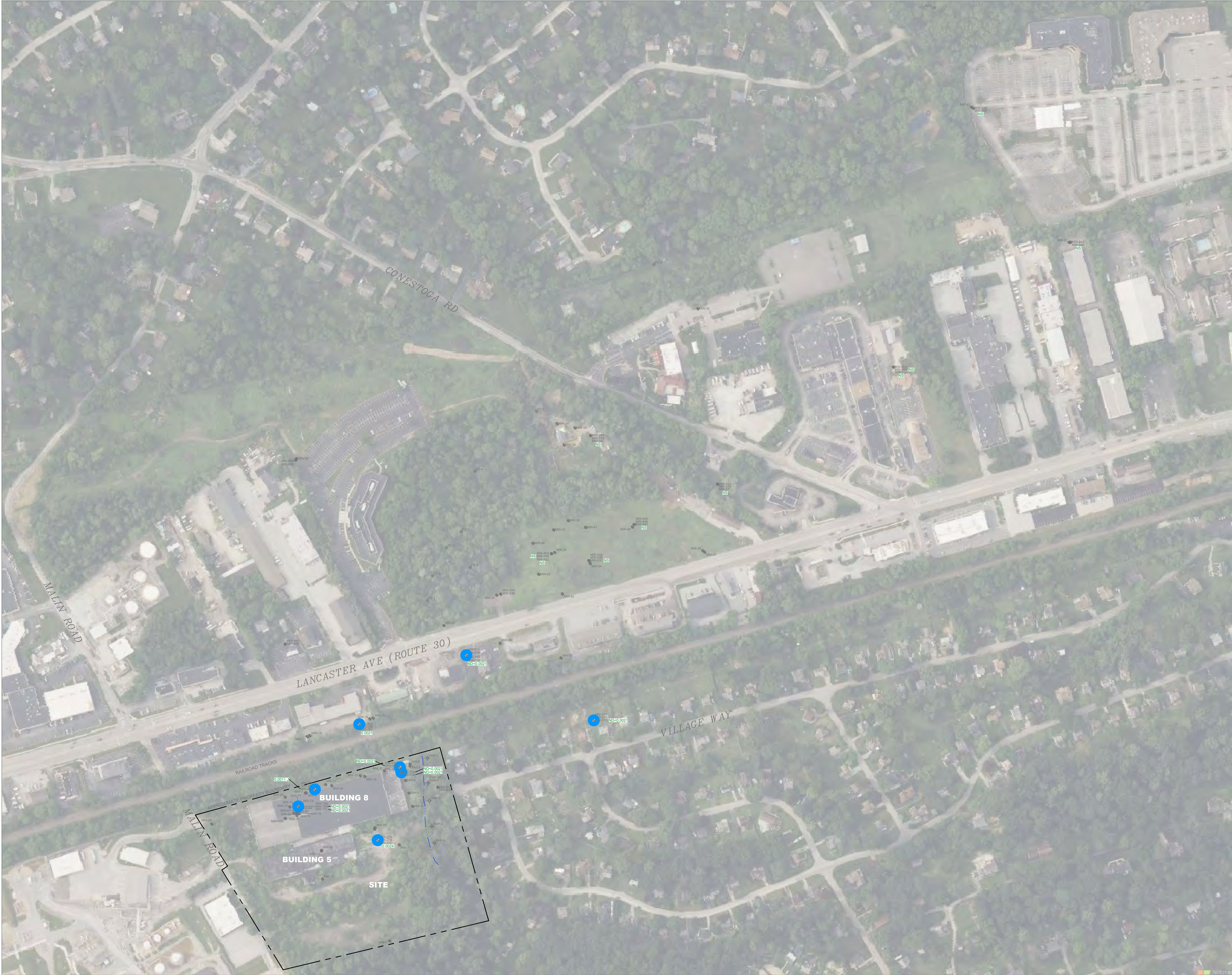
Scale In Feet

0 160 320





Figure 25 - Chromium Concentration Map – Deep Bedrock May 2026



LEGEND

- PROPERTY BOUNDARY (APPROXIMATE)
- STREAM
- MONITORING WELL LOCATION
- STREAM MONITORING POINT
- ABANDONED STREAM MONITORING POINT
- PIEZOMETER
- CHROMIUM CONCENTRATION BELOW STATEWIDE HEALTH STANDARD OR NOT DETECTED
- CHROMIUM CONCENTRATION ABOVE STATEWIDE HEALTH STANDARD
- CHROMIUM CONCENTRATION (mg/L)
- 0.013
- ND<#
- INDICATES ANALYSIS WAS PERFORMED FOR THE TEST BUT WAS NOT DETECTED, THE SAMPLE REPORTING LIMIT IS REPORTED
- J
- RESULT IS LESS THAN THE REPORTING LIMIT BUT GREATER THAN OR EQUAL TO THE METHOD DETECTION LIMIT AND THE CONCENTRATION IS AN APPROXIMATE VALUE
- NS
- NOT SAMPLED
- (mg/L)
- MILLIGRAMS PER LITER

NOTES:

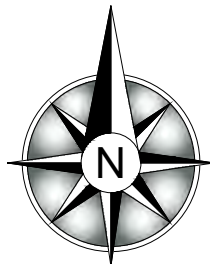
- ANY MONITORING WELL LOCATIONS THAT DO NOT HAVE A CONCENTRATION OR A NOT SAMPLED (NS) DESIGNATION REPRESENTED ARE NOT INCLUDED IN THE SPECIFIC MONITORED ZONE.
- DEP ACT 2 STANDARDS WERE CONVERTED TO mg/L FROM µg/L DUE TO LABORATORY REPORTING ALL DATA IN mg/L.
- DEP GROUNDWATER STATEWIDE HEALTH STANDARD FOR A USED, RESIDENTIAL AQUIFER: 0.1 mg/L.

Source:
Map prepared utilizing GEOMAP Overhead imagery.

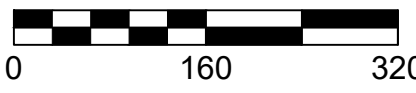
Chromium Concentration Map
Deep Bedrock
May 2026

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T.F.U.



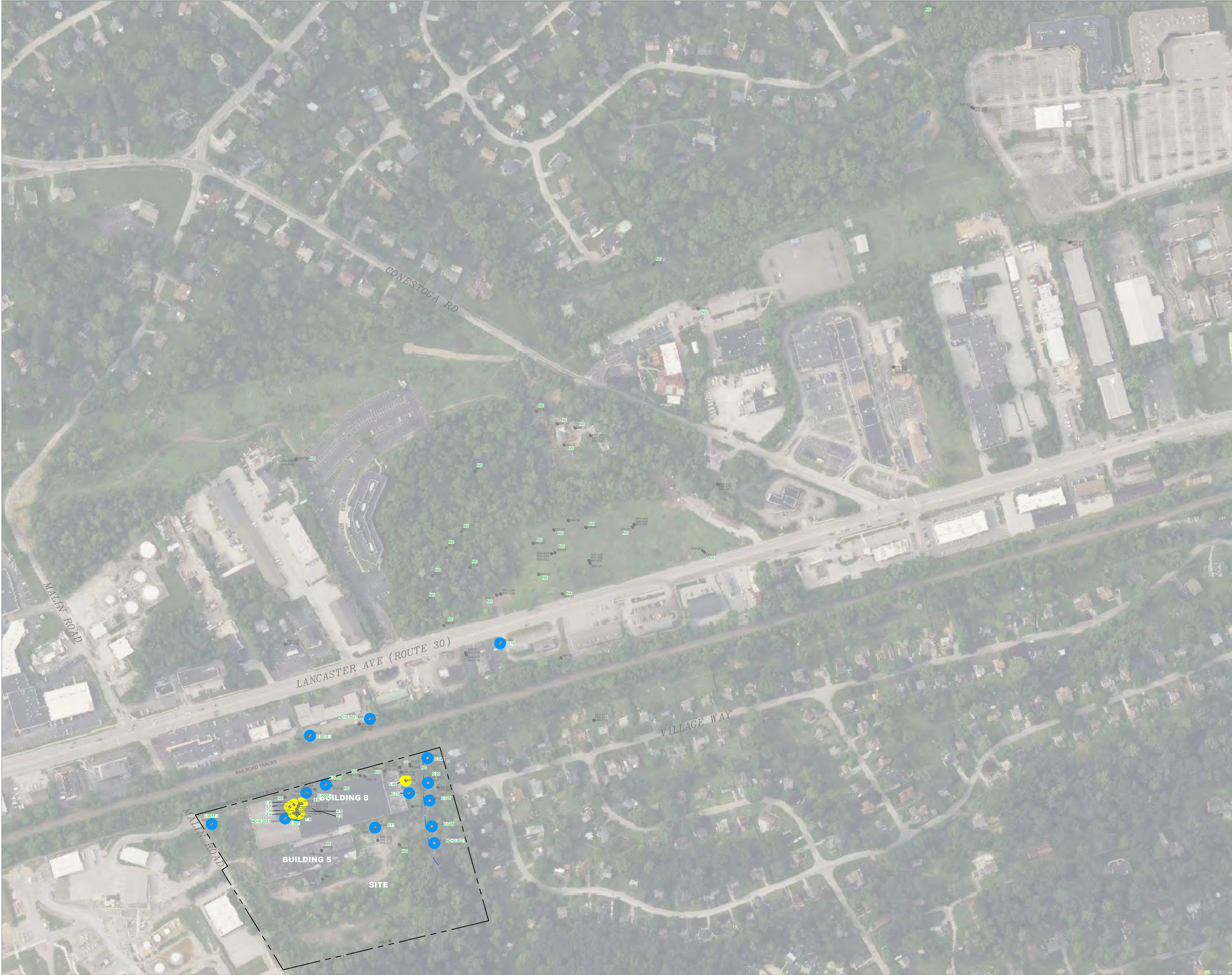
Scale In Feet



Date
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Figure
25



Figure 26 – Manganese Concentration Map – Overburden May 2026



LEGEND

- PROPERTY BOUNDARY (APPROXIMATE)
- STREAM
- MONITORING WELL LOCATION
- STREAM MONITORING POINT
- ABANDONED STREAM MONITORING POINT
- PIEZOMETER
- MANGANESE CONCENTRATION BELOW STATEWIDE HEALTH STANDARD OR NOT DETECTED
- MANGANESE CONCENTRATION ABOVE STATEWIDE HEALTH STANDARD
- MANGANESE CONCENTRATION (mg/L)
- 7.9
- ND<#
- J
- NS
- (mg/L) MILLIGRAMS PER LITER

NOTES:

1) ANY MONITORING WELL LOCATIONS THAT DO NOT HAVE A CONCENTRATION OR A NOT SAMPLED (NS) DESIGNATION REPRESENTED ARE NOT INCLUDED IN THE SPECIFIC MONITORED ZONE.

2) DEP ACT 2 STANDARDS WERE CONVERTED TO mg/L FROM µg/L DUE TO LABORATORY REPORTING ALL DATA IN mg/L.

3) DEP GROUNDWATER STATEWIDE HEALTH STANDARD FOR A USED, RESIDENTIAL AQUIFER: 0.3 mg/L.

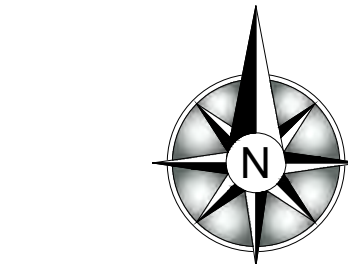
Source:
Map prepared utilizing GEOMAP Overhead imagery.

Manganese Concentration Map
Overburden
May 2026

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Bishop Tube
1 South Malin Road
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Figure
26



Scale In Feet
0 160 320





Figure 27 – Manganese Concentration Map – Shallow Bedrock May 2026



LEGEND

- PROPERTY BOUNDARY (APPROXIMATE)
- STREAM
- MONITORING WELL LOCATION
- STREAM MONITORING POINT
- ABANDONED STREAM MONITORING POINT
- PIEZOMETER
- MANGANESE CONCENTRATION BELOW STATEWIDE HEALTH STANDARD OR NOT DETECTED
- MANGANESE CONCENTRATION ABOVE STATEWIDE HEALTH STANDARD
- MANGANESE CONCENTRATION (mg/L)
- ND<# INDICATES ANALYSIS WAS PERFORMED FOR THE TEST BUT WAS NOT DETECTED, THE SAMPLE REPORTING LIMIT IS REPORTED
- J RESULT IS LESS THAN THE REPORTING LIMIT BUT GREATER THAN OR EQUAL TO THE METHOD DETECTION LIMIT AND THE CONCENTRATION IS AN APPROXIMATE VALUE
- NS NOT SAMPLED
- (mg/L) MILLIGRAMS PER LITER

- NOTES:
- ANY MONITORING WELL LOCATIONS THAT DO NOT HAVE A CONCENTRATION OR A NOT SAMPLED (NS) DESIGNATION REPRESENTED ARE NOT INCLUDED IN THE SPECIFIC MONITORED ZONE.
 - DEP ACT 2 STANDARDS WERE CONVERTED TO mg/L FROM µg/L DUE TO LABORATORY REPORTING ALL DATA IN mg/L.
 - DEP GROUNDWATER STATEWIDE HEALTH STANDARD FOR A USED, RESIDENTIAL AQUIFER: 0.3 mg/L.

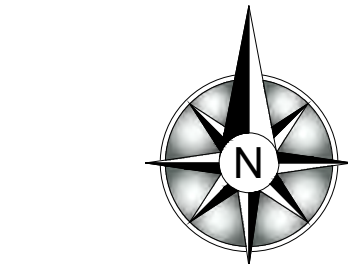
Source:
Map prepared utilizing GEOMAP Overhead imagery.

Manganese Concentration Map
Shallow Bedrock
May 2026

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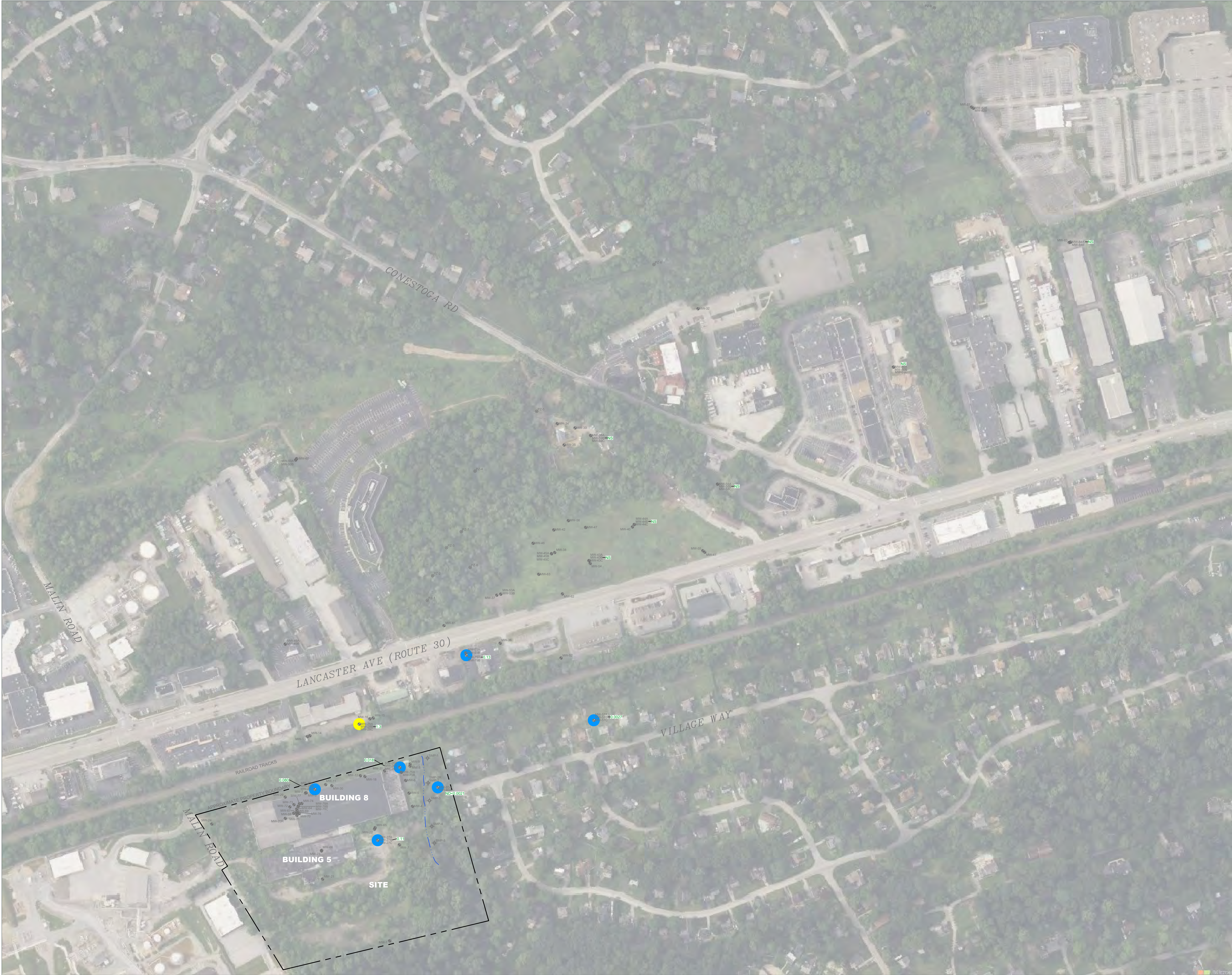


Scale In Feet
0 160 320





Figure 28 – Manganese Concentration Map – Intermediate Bedrock May 2026



LEGEND

- PROPERTY BOUNDARY (APPROXIMATE)
- STREAM
- MONITORING WELL LOCATION
- STREAM MONITORING POINT
- ABANDONED STREAM MONITORING POINT
- PIEZOMETER
- MANGANESE CONCENTRATION BELOW STATEWIDE HEALTH STANDARD OR NOT DETECTED
- MANGANESE CONCENTRATION ABOVE STATEWIDE HEALTH STANDARD
- MANGANESE CONCENTRATION (mg/L)
- 1.3
- ND<# INDICATES ANALYSIS WAS PERFORMED FOR THE TEST BUT WAS NOT DETECTED, THE SAMPLE REPORTING LIMIT IS REPORTED
- NS NOT SAMPLED
- (mg/L) MILLIGRAMS PER LITER

NOTES:

- ANY MONITORING WELL LOCATIONS THAT DO NOT HAVE A CONCENTRATION OR A NOT SAMPLED (NS) DESIGNATION REPRESENTED ARE NOT INCLUDED IN THE SPECIFIC MONITORED ZONE.
- DEP ACT 2 STANDARDS WERE CONVERTED TO mg/L FROM µg/L DUE TO LABORATORY REPORTING ALL DATA IN mg/L.
- DEP GROUNDWATER STATEWIDE HEALTH STANDARD FOR A USED, RESIDENTIAL AQUIFER: 0.3 mg/L.

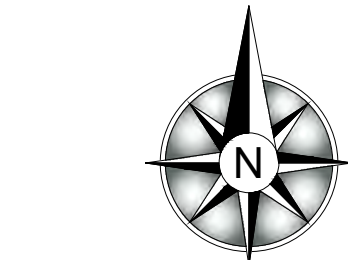
Source:
Map prepared utilizing GEOMAP Overhead imagery.

Manganese Concentration Map
Intermediate Bedrock
May 2026

Pennsylvania Dept of Environmental Protection
Bishop Tube
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28

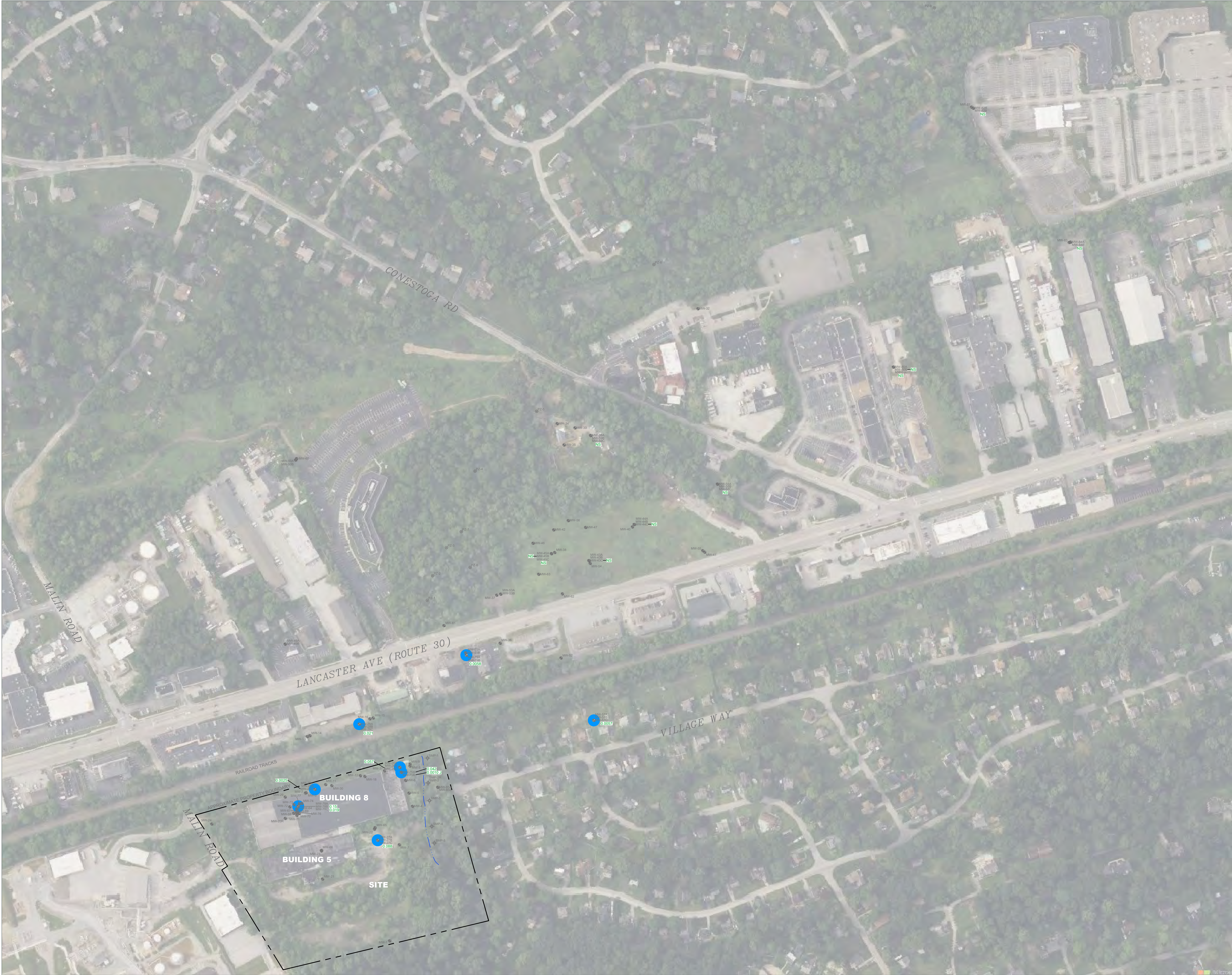


Scale In Feet





Figure 29 – Manganese Concentration Map – Deep Bedrock May 2026



LEGEND

- PROPERTY BOUNDARY (APPROXIMATE)
- STREAM
- MONITORING WELL LOCATION
- STREAM MONITORING POINT
- ABANDONED STREAM MONITORING POINT
- PIEZOMETER
- MANGANESE CONCENTRATION BELOW STATEWIDE HEALTH STANDARD OR NOT DETECTED
- MANGANESE CONCENTRATION ABOVE STATEWIDE HEALTH STANDARD
- MANGANESE CONCENTRATION (mg/L)
- RESULT IS LESS THAN THE REPORTING LIMIT BUT GREATER THAN OR EQUAL TO THE METHOD DETECTION LIMIT AND THE CONCENTRATION IS AN APPROXIMATE VALUE
- NOT SAMPLED
- (mg/L) MILLIGRAMS PER LITER

- NOTES:
- 1) ANY MONITORING WELL LOCATIONS THAT DO NOT HAVE A CONCENTRATION OR A NOT SAMPLED (NS) DESIGNATION REPRESENTED ARE NOT INCLUDED IN THE SPECIFIC MONITORED ZONE.
 - 2) DEP ACT 2 STANDARDS WERE CONVERTED TO mg/L FROM µg/L DUE TO LABORATORY REPORTING ALL DATA IN mg/L.
 - 3) DEP GROUNDWATER STATEWIDE HEALTH STANDARD FOR A USED, RESIDENTIAL AQUIFER: 0.3 mg/L.

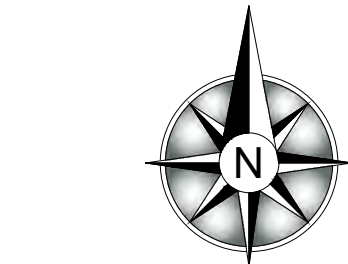
Source:
Map prepared utilizing GEOMAP Overhead imagery.

Manganese Concentration Map
Deep Bedrock
May 2026

Pennsylvania Dept of Environmental Protection
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1 South Malin Road
Frazer, Pennsylvania

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Figure
29



Scale In Feet

0 160 320





Figure 30 – Nickel Concentration Map – Overburden May 2026



Figure 31 – Nickel Concentration Map – Shallow Bedrock May 2026



Figure 32 – Nickel Concentration Map – Intermediate Bedrock May 2026



Figure 33 – Nickel Concentration Map – Deep Bedrock May 2026



Figure 34 – Hexavalent Cr (VI) Concentration Map – Overburden May 2026



Figure 35 – Hexavalent Cr (VI) Concentration Map – Shallow Bedrock May 2026



LEGEND

- PROPERTY BOUNDARY (APPROXIMATE)
- STREAM
- MONITORING WELL LOCATION
- STREAM MONITORING POINT
- ABANDONED STREAM MONITORING POINT
- PIEZOMETER
- CHROMIUM (VI) CONCENTRATION WAS NOT DETECTED
- CHROMIUM (VI) CONCENTRATION DETECTED ABOVE THE LABORATORY REPORTING LIMIT
- CHROMIUM (VI) CONCENTRATION (mg/L)
- ND<# INDICATES ANALYSIS WAS PERFORMED FOR THE TEST BUT WAS NOT DETECTED, THE SAMPLE REPORTING LIMIT IS REPORTED
- NS NOT SAMPLED
- (mg/L) MILLIGRAMS PER LITER

NOTES:

- ANY MONITORING WELL LOCATIONS THAT DO NOT HAVE A CONCENTRATION OR A NOT SAMPLED (NS) DESIGNATION REPRESENTED ARE NOT INCLUDED IN THE SPECIFIC MONITORED ZONE.
- DEP GROUNDWATER STATEWIDE HEALTH STANDARD FOR A USED, RESIDENTIAL AQUIFER: NO STANDARD.

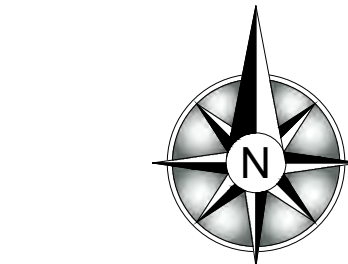
Source:
Map prepared utilizing GEOMAP Overhead imagery.

Chromium (VI) Concentration Map
Shallow Bedrock
May 2026

Pennsylvania Dept of Environmental Protection
Bishop Tube
1 South Malin Road
Frazer, Pennsylvania

Drawn
T.P.
Designed
T.F.U.
Approved
T.F.U.

Date
08/31/26
Figure
35



Scale in Feet
0 160 320





Figure 36 – Hexavalent Cr (VI) Concentration Map – Intermediate Bedrock May 2026



LEGEND

- PROPERTY BOUNDARY (APPROXIMATE)
- STREAM
- MONITORING WELL LOCATION
- STREAM MONITORING POINT
- ABANDONED STREAM MONITORING POINT
- PIEZOMETER
- CHROMIUM (VI) CONCENTRATION WAS NOT DETECTED
- CHROMIUM (VI) CONCENTRATION DETECTED ABOVE THE LABORATORY REPORTING LIMIT
- CHROMIUM (VI) CONCENTRATION (mg/L)
- 0.15
- ND<#
- INDICATES ANALYSIS WAS PERFORMED FOR THE TEST BUT WAS NOT DETECTED, THE SAMPLE REPORTING LIMIT IS REPORTED
- NS
- NOT SAMPLED
- (mg/L)
- MILLIGRAMS PER LITER

NOTES:

- ANY MONITORING WELL LOCATIONS THAT DO NOT HAVE A CONCENTRATION OR A NOT SAMPLED (NS) DESIGNATION REPRESENTED ARE NOT INCLUDED IN THE SPECIFIC MONITORED ZONE.
- DEP GROUNDWATER STATEWIDE HEALTH STANDARD FOR A USED, RESIDENTIAL AQUIFER: NO STANDARD.

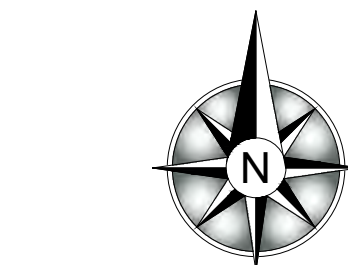
Source:
Map prepared utilizing GEOMAP Overhead imagery.

Chromium (VI) Concentration Map
Intermediate Bedrock
May 2026

Pennsylvania Dept of Environmental Protection
Bishop Tube
1 South Malin Road
Frazer, Pennsylvania

Drawn
T.P.
Designed
T.F.U.
Approved
T.F.U.

Date
08/31/26
Figure
36

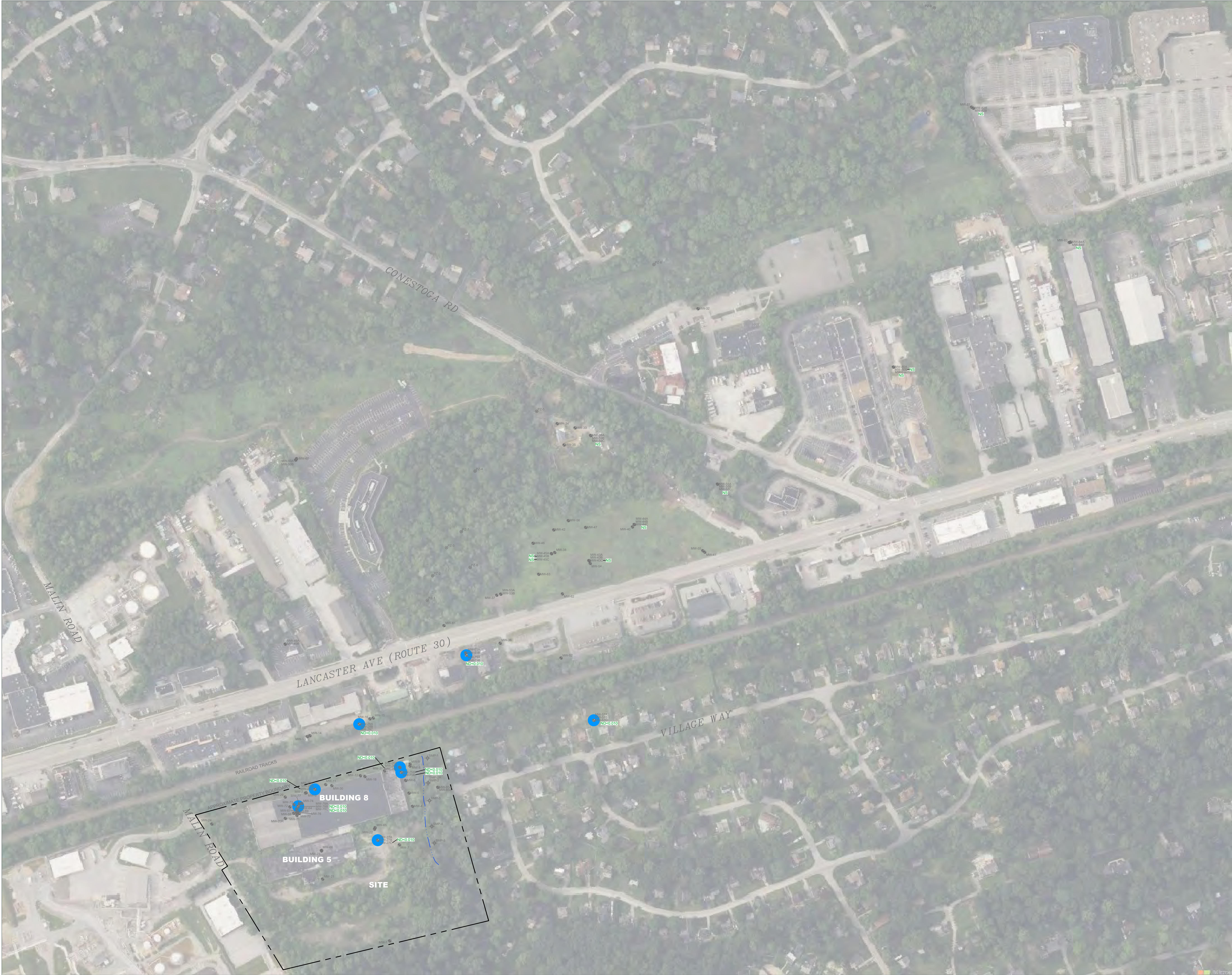


Scale In Feet
0 160 320





Figure 37 – Hexavalent Cr (VI) Concentration Map – Deep Bedrock May 2026



LEGEND

- PROPERTY BOUNDARY (APPROXIMATE)
- STREAM
- MONITORING WELL LOCATION
- STREAM MONITORING POINT
- ABANDONED STREAM MONITORING POINT
- PIEZOMETER
- CHROMIUM (VI) CONCENTRATION WAS NOT DETECTED
- CHROMIUM (VI) CONCENTRATION DETECTED ABOVE THE LABORATORY REPORTING LIMIT
- CHROMIUM (VI) CONCENTRATION (mg/L)
- ND<# INDICATES ANALYSIS WAS PERFORMED FOR THE TEST BUT WAS NOT DETECTED, THE SAMPLE REPORTING LIMIT IS REPORTED
- NS NOT SAMPLED
- (mg/L) MILLIGRAMS PER LITER

NOTES:

1) ANY MONITORING WELL LOCATIONS THAT DO NOT HAVE A CONCENTRATION OR A NOT SAMPLED (NS) DESIGNATION REPRESENTED ARE NOT INCLUDED IN THE SPECIFIC MONITORED ZONE.

2) DEP GROUNDWATER STATEWIDE HEALTH STANDARD FOR A USED, RESIDENTIAL AQUIFER: NO STANDARD.

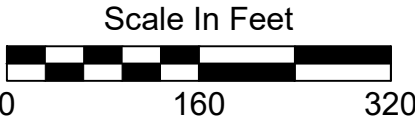
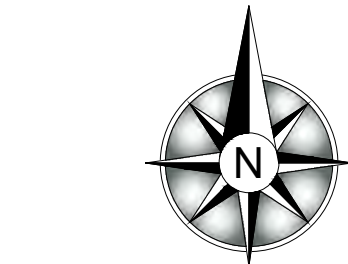
Source:
Map prepared utilizing GEOMAP Overhead imagery.

**Chromium (VI) Concentration Map
Deep Bedrock
May 2026**

Pennsylvania Dept of Environmental Protection
Bishop Tube
1 South Malin Road
Frazer, Pennsylvania

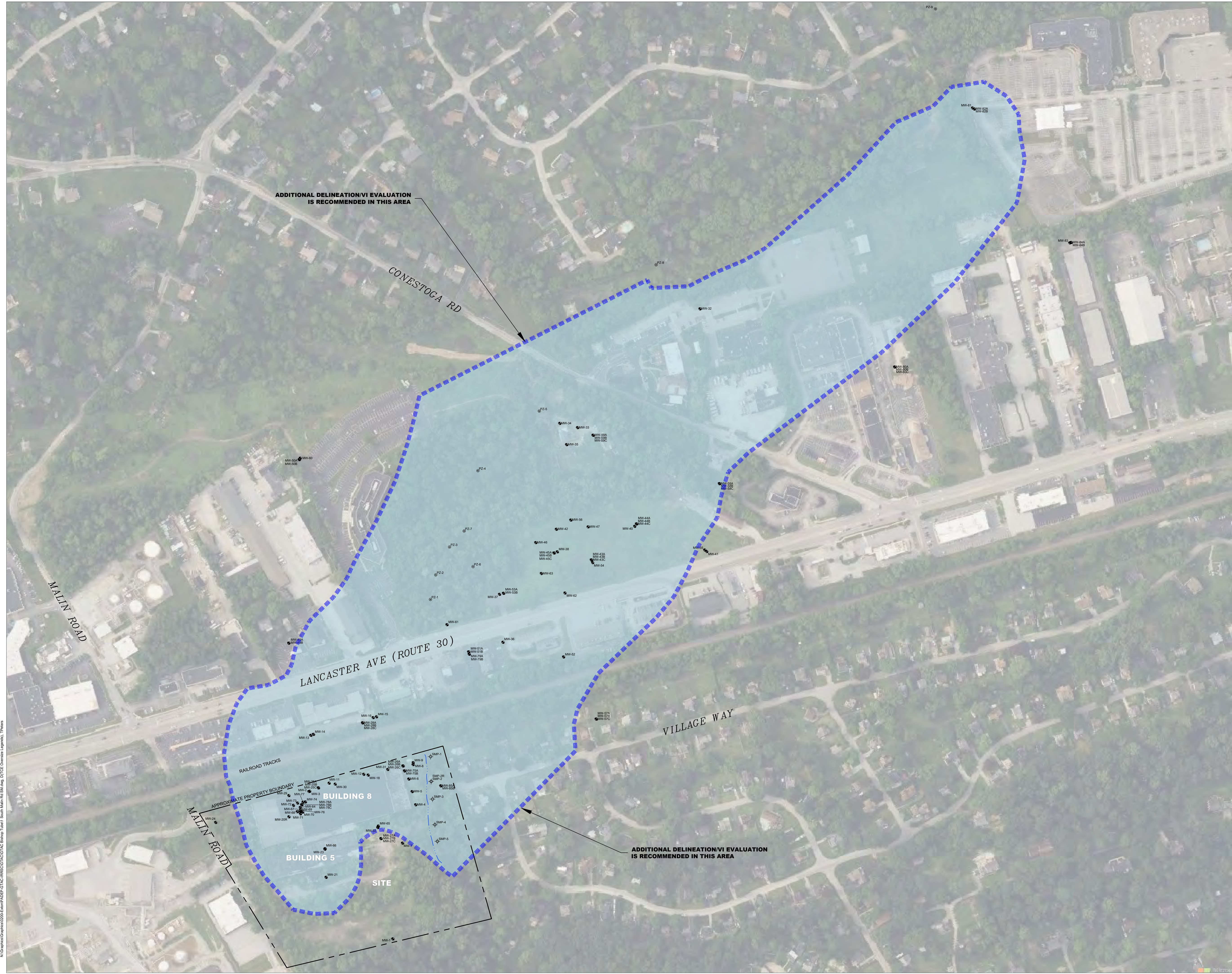
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T.F.U.
Approved
T.F.U.

Date
08/31/26
Figure
37





**Figure 38 – Approximate Combined Extent of TCE in Groundwater Above PA Act 2 MSC
All Groundwater Zones – May 2026**



- LEGEND**
- PROPERTY BOUNDARY (APPROXIMATE)
 - STREAM
 - MONITORING WELL LOCATION
 - STREAM MONITORING POINT
 - ABANDONED STREAM MONITORING POINT
 - PIEZOMETER
 - TCE
 - MSC
 - INFERRED COMBINED EXTENT OF TCE IN GROUNDWATER ABOVE PA ACT 2 MSC ALL GROUNDWATER ZONES

Source:
Map prepared utilizing GEOMAP Overhead imagery.

**Approximate Combined Extent of TCE
in Groundwater Above Pa ACT 2 MSC
All Groundwater Zones - May 2026**

Pennsylvania Dept of Environmental Protection
Bishop Tube
1 South Malin Road
Frazer, Pennsylvania

Drawn
T.P.
Designed
T.F.U.
Approved
T.F.U.

Date
08/31/26
Figure
38

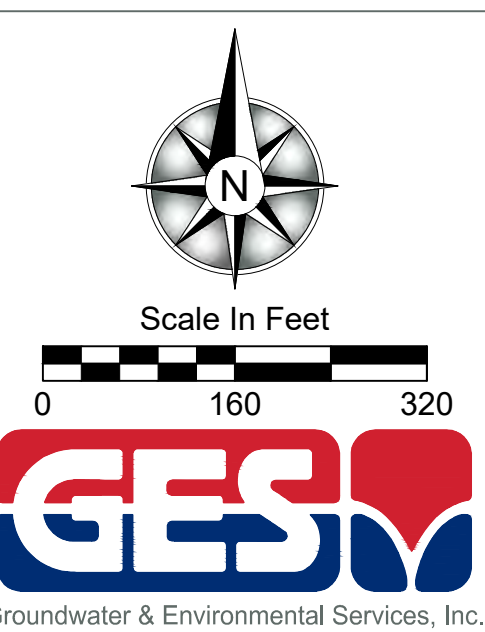




Figure 39 – Surface Water Sample Location Map



LEGEND

- PROPERTY BOUNDARY
- SURFACE WATER SAMPLE LOCATION

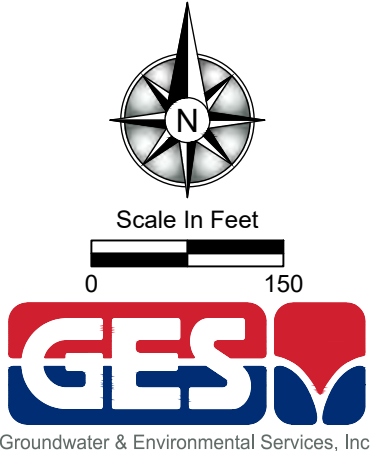
NOTE: NO SAMPLE WAS COLLECTED AT SW-2, DUE TO LACK OF WATER.

Surface Water Sample Location Map

Pennsylvania Dept of Environmental Protection
Bishop Tube
1 South Malin Road
Frazer, Pennsylvania

Drawn
T.P.
Designed
T.F.U.
Approved
T.F.U.

Date
08/31/26
Figure
39





Tables



Table 1 – Monitoring Well Gauging Summary

Table 1
Monitoring Well Gauging Summary

Monitoring Well	Groundwater Zone	Depth to Top of Bedrock	Bedrock Top Elevation	Installation Depth	Top of Screen/Open Hole Interval	Screen Top Elevation	Bottom of Screen/Open Hole Interval	Screen Bottom Elevation	Ground Elevation	Top of Casing Elevation	Date	Depth to Water	Groundwater Elevation	Northing	Easting	Latitude			Longitude			Comments
		(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)		(ft btoc)	(ft)			(Deg)	(Min)	(sec)	(Deg)	(Min)	(Sec)	
MW-01	Shallow Bedrock	Unknown	Unknown	48	28	395.02	48	375.02	423.02	423.31	05/26/26	16.43	406.88	264759.89	2588290.77	40	2	19.674	75	32	10.434	
MW-02	Shallow Bedrock	13	370.41	24	15	368.41	24	359.41	383.41	383.49	05/28/26	7.80	375.69	265306.02	2587979.73	40	2	25.147	75	32	14.256	
MW-03	Overburden	13	370.80	13.5	8	375.80	13.5	370.30	383.80	383.96	05/28/26	4.13	379.83	265307.02	2587982.92	40	2	25.156	75	32	14.214	
MW-04	Shallow Bedrock	9	376.99	20	7	378.99	20	365.99	385.99	385.64	05/26/26	8.87	376.77	265256.81	2588375.47	40	2	24.563	75	32	9.185	
MW-05	Overburden	20	366.51	20	10	376.51	20	366.51	386.51	386.02	05/26/26	10.20	375.82	265305.69	2588362.50	40	2	25.049	75	32	9.336	
MW-06	Overburden	20.5	366.11	20.7	10.7	375.91	20.7	365.91	386.61	386.17	05/26/26	14.70	371.47	265352.23	2588350.02	40	2	25.512	75	32	9.481	
MW-07	Overburden	20	375.15	19.8	9.8	385.35	19.8	375.35	395.15	394.89	NG	NG	N/A	265114.59	2588326.66	40	2	23.170	75	32	9.858	Could not be located
MW-07 (MOBIL)	Shallow Bedrock	Unknown	Unknown	110	14	N/A	110	N/A	N/A	N/A	NG	NG	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Abandoned
MW-08	Overburden	Unknown	Unknown	18	8	374.65	18	364.65	382.65	383.22	NG	NG	N/A	265405.71	2588366.07	40	2	26.036	75	32	9.258	Could not be located
MW-09	Shallow Bedrock	26	356.29	63	46	336.29	63	319.29	382.29	383.23	05/26/26	12.00	371.23	265412.84	2588366.71	40	2	26.106	75	32	9.247	
MW-11	Overburden	4	379.57	16	6	377.57	16	367.57	383.57	382.94	05/28/26	8.08	374.86	265336.97	2588054.48	40	2	25.434	75	32	13.285	
MW-12	Overburden	17	365.86	21	8	374.86	21	361.86	382.86	382.70	NG	NG	N/A	265369.81	2588182.98	40	2	25.727	75	32	11.623	Could not be located
MW-13	Shallow Bedrock	15	358.12	31	27	346.12	31	342.12	373.12	372.56	05/22/26	9.63	362.93	265514.20	2587986.87	40	2	27.202	75	32	14.097	
MW-14	Overburden	15	357.75	15	5	367.75	15	357.75	372.75	372.52	05/22/26	9.00	363.52	265517.77	2587996.48	40	2	27.235	75	32	13.972	
MW-14D (MOBIL)	Shallow Bedrock	Unknown	Unknown	50	30	N/A	50	N/A	N/A	N/A	NG	NG	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Abandoned
MW-15	Shallow Bedrock	21	346.77	78	68	299.77	78	289.77	367.77	367.42	05/22/26	0.30	367.12	265582.85	2588230.20	40	2	27.820	75	32	10.947	
MW-16	Overburden	17	350.98	21	7	360.98	21	346.98	367.98	367.73	06/01/26	NG	N/A	265580.01	2588217.96	40	2	27.795	75	32	11.105	
MW-17	Deep Bedrock	10	Unknown	301	200	N/A	301	N/A	N/A	N/A	NG	NG	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Abandoned
MW-18	Shallow Bedrock	19	364	47	22	361.00	47	336.00	383.00	384.14	05/28/26	18.67	365.47	265366.89	2588199.45	40	2	25.694	75	32	11.412	
MW-19	Deep Bedrock	15	Unknown	500	300	N/A	500	N/A	N/A	N/A	NG	NG	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Abandoned
MW-20R	Overburden	17	370.69	16.5	6.5	381.19	16.5	371.19	387.69	387.49	05/20/26	5.08	382.41	265212.20	2587905.48	40	2	24.238	75	32	15.240	
MW-21	Shallow Bedrock	26	376.11	53	27	375.11	53	349.11	402.11	401.79	05/22/26	13.55	388.24	264987.95	2588043.41	40	2	21.989	75	32	13.539	
MW-22	Shallow Bedrock	30	367.88	91	45	352.88	91	306.88	397.88	397.54	05/26/26	18.61	378.93	265172.31	2588234.86	40	2	23.763	75	32	11.019	
MW-23	Shallow Bedrock	26	376.47	45	33	369.47	45	357.47	402.47	402.05	NG	NG	N/A	265091.81	2588038.91	40	2	23.016	75	32	13.564	Could not be gauged/sampled due to building safety concerns
MW-24	Overburden	18	368.27	24	3	383.27	24	362.27	386.27	388.69	05/28/26	1.99	386.70	265191.46	2587633.75	40	2	24.101	75	32	18.739	
MW-25A	Shallow Bedrock	18	365.76	116	106	277.76	116	267.76	383.76	386.14	05/28/26	18.41	367.73	265319.47	2588014.87	40	2	25.271	75	32	13.800	
MW-25B	Intermediate Bedrock	18	365.76	222	212	171.76	222	161.76	383.76	386.12	05/28/26	17.71	368.41	265319.68	2588014.82	40	2	25.273	75	32	13.800	
MW-25C	Deep Bedrock	18	365.76	282	272	111.76	282	101.76	383.76	386.15	05/28/26	18.65	367.50	265319.41	2588014.63	40	2	25.270	75	32	13.803	
MW-26A	Shallow Bedrock	26.5	356.17	100	90	292.67	100	282.67	382.67	385.37	05/26/26	13.78	371.59	265400.96	2588328.78	40	2	25.998	75	32	9.738	
MW-26B	Intermediate Bedrock	26.5	356.17	186	176	206.67	186	196.67	382.67	385.38	05/26/26	13.97	371.41	265400.69	2588328.46	40	2	25.996	75	32	9.743	
MW-26C	Deep Bedrock	26.5	356.17	232	222	160.67	232	150.67	382.67	385.37	05/26/26	14.05	371.32	265400.74	2588328.69	40	2	25.996	75	32	9.740	
MW-27A	Shallow Bedrock	45	353.37	97	87	311.37	97	301.37	398.37	400.37	05/22/26	30.21	370.16	265131.77	2588246.76	40	2	23.359	75	32	10.879	
MW-27B	Intermediate Bedrock	45	353.37	187	177	221.37	187	211.37	398.37	400.26	05/22/26	20.55	379.71	265131.50	2588246.83	40	2	23.356	75	32	10.879	
MW-27C	Deep Bedrock	45	353.37	240	230	168.37	240	158.37	398.37	400.16	05/22/26	23.62	376.54	265131.69	2588247.08	40	2	23.358	75	32	10.875	
MW-28A	Shallow Bedrock	20	348.65	110	100	268.65	110	258.65	368.65	368.48	05/22/26	9.63	358.85	265560.45	2588178.72	40	2	27.611	75	32	11.616	
MW-28B	Intermediate Bedrock	20	348.65	183	173	195.65	183	185.65	368.65	368.55	05/22/26	7.00	361.55	265560.26	2588178.56	40	2	27.609	75	32	11.618	
MW-28C	Deep Bedrock	20	348.65	232	222	146.65	232	136.65	368.65	368.54	05/22/26	8.99	359.55	265560.44	2588178.51	40	2	27.611	75	32	11.619	
MW-29	Overburden	8	376	8	3	381.00	8	376.00	384.00	386.92	NG	NG	N/A	265290.98	2587905.14	40	2	25.017	75	32	15.219	Could not be located
MW-30	Overburden	20	363.42	20	5	378.42	20	363.42	383.42	386.22	NG	NG	N/A	265333.39	2588077.17	40	2	25.393	75	32	12.994	Could not be located
MW-31	Overburden	15.5	367.97	15	6	377.97	15	368.47	383.47	386.17	NG	NG	N/A	265387.68	2588271.84	40	2	25.881	75	32	10.475	Could not be located

Table 1
Monitoring Well Gauging Summary

Monitoring Well	Groundwater Zone	Depth to Top of Bedrock	Bedrock Top Elevation	Installation Depth	Top of Screen/Open Hole Interval	Screen Top Elevation	Bottom of Screen/Open Hole Interval	Screen Bottom Elevation	Ground Elevation	Top of Casing Elevation	Date	Depth to Water	Groundwater Elevation	Northing	Easting	Latitude			Longitude			Comments
		(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)		(ft btoc)	(ft)			(Deg)	(Min)	(sec)	(Deg)	(Min)	(Sec)	
MW-32	Overburden	16.5	291.98	16.5	6.5	301.98	16.5	291.98	308.48	308.21	05/21/26	2.65	305.56	267094.93	2589429.80	40	2	42.460	75	31	55.040	
MW-33	Overburden	13	310.54	13	5	318.54	13	310.54	323.54	323.33	05/19/26	10.26	313.07	266654.79	2588975.83	40	2	38.225	75	32	1.017	
MW-34	Overburden	15	308.08	15	5	318.08	15	308.08	323.08	322.66	NG	NG	N/A	266670.53	2588910.09	40	2	38.397	75	32	1.857	Could not be located
MW-35	Overburden	15	311.04	15	5	321.04	15	311.04	326.04	325.52	05/19/26	9.54	315.98	266591.56	2588935.26	40	2	37.610	75	32	1.559	
MW-36	Overburden	11	348.87	11	4	355.87	11	348.87	359.87	359.62	05/22/26	8.30	351.32	265859.12	2588699.02	40	2	30.433	75	32	4.832	
MW-37	Overburden	24	333.63	24	14	343.63	24	333.63	357.63	357.30	05/19/26	13.78	343.52	266036.87	2588686.58	40	2	32.192	75	32	4.934	
MW-38	Overburden	35	325.19	35	25	335.19	35	325.19	360.19	359.94	05/20/26	25.48	334.46	266194.37	2588900.84	40	2	33.695	75	32	2.130	
MW-40	Overburden	41	321.29	41	31	331.29	41	321.29	362.29	361.89	05/20/26	32.90	328.99	266288.79	2589187.72	40	2	34.556	75	31	58.412	
MW-41	Overburden	28	333.85	28	18	343.85	28	333.85	361.85	361.55	NG	NG	N/A	266195.47	2589454.90	40	2	33.568	75	31	55.007	Could not be located
MW-42	Overburden	41	319.86	41	31	329.86	41	319.86	360.86	360.70	05/20/26	29.61	331.09	266278.01	2588897.23	40	2	34.522	75	32	2.149	
MW-43A	Shallow Bedrock	25	336.28	120	95	266.28	120	241.28	361.28	361.02	05/29/26	26.64	334.38	266164.37	2589027.14	40	2	33.367	75	32	0.516	
MW-43B	Intermediate Bedrock	25	336.28	200	175	186.28	200	161.28	361.28	361.04	05/29/26	26.52	334.52	266164.18	2589027.10	40	2	33.365	75	32	0.516	
MW-43C	Deep Bedrock	25	336.28	295	255	106.28	295	66.28	361.28	361.00	05/29/26	204.00	157.00	266164.28	2589027.30	40	2	33.366	75	32	0.514	
MW-44A	Shallow Bedrock	46	316.22	120	90	272.22	120	242.22	362.22	361.96	05/20/26	32.84	329.12	266297.86	2589194.59	40	2	34.644	75	31	58.320	
MW-44B	Intermediate Bedrock	46	316.22	202	172	190.22	202	160.22	362.22	361.96	05/20/26	35.61	326.35	266297.77	2589194.40	40	2	34.643	75	31	58.323	
MW-44C	Deep Bedrock	46	316.22	295	265	97.22	295	67.22	362.22	361.95	05/29/26	35.65	326.30	266297.84	2589194.22	40	2	34.644	75	31	58.325	
MW-45A	Shallow Bedrock	34	326.29	80	70	290.29	80	280.29	360.29	360.12	05/19/26	26.60	333.52	266190.14	2588888.78	40	2	33.656	75	32	2.286	
MW-45B	Deep Bedrock	34	326.29	232	182	178.29	232	128.29	360.29	360.14	05/19/26	31.25	328.89	266189.94	2588888.59	40	2	33.654	75	32	2.288	
MW-45C	Deep Bedrock	34	326.29	293	273	87.29	293	67.29	360.29	360.15	05/19/26	31.70	328.45	266190.13	2588889.04	40	2	33.656	75	32	2.283	
MW-46	Overburden	26	333.86	26	19	340.86	26	333.86	359.86	359.47	05/20/26	20.96	338.51	266228.48	2588820.80	40	2	34.052	75	32	3.147	
MW-47	Overburden	74	288.32	74	64	298.32	74	288.32	362.32	362.05	05/20/26	33.52	328.53	266286.88	2589014.80	40	2	34.580	75	32	0.635	
MW-49A	Shallow Bedrock	15.5	351.94	35	15	352.44	35	332.44	367.44	367.17	05/22/26	21.51	345.66	265855.90	2587905.30	40	2	30.598	75	32	15.035	
MW-49B	Shallow Bedrock	15.5	351.94	85	60	307.44	85	282.44	367.44	367.20	05/22/26	22.32	344.88	265855.82	2587905.06	40	2	30.597	75	32	15.038	
MW-50A	Shallow Bedrock	47	290.73	73	57	280.73	73	264.73	337.73	337.34	05/29/26	22.19	315.15	266535.96	2587943.58	40	2	37.307	75	32	14.324	
MW-50B	Shallow Bedrock	47	290.73	100	80	257.73	100	237.73	337.73	337.40	05/29/26	22.28	315.12	266536.15	2587943.54	40	2	37.309	75	32	14.324	
MW-51A	Shallow Bedrock	24	334.73	40	25	333.73	40	318.73	358.73	358.43	05/21/26	9.73	348.70	265823.59	2588572.24	40	2	30.113	75	32	6.473	
MW-51B	Shallow Bedrock	24	334.73	66	56	302.73	66	292.73	358.73	358.41	05/21/26	10.25	348.16	265823.40	2588572.16	40	2	30.111	75	32	6.474	
MW-52	Shallow Bedrock	15	352.55	44	29	338.55	44	323.55	367.55	367.33	05/22/26	13.19	354.14	265804.74	2588923.91	40	2	29.840	75	32	1.959	
MW-53A	Shallow Bedrock	34	324.07	80	40	318.07	80	278.07	358.07	357.79	05/29/26	13.34	344.45	266040.50	2588701.24	40	2	32.224	75	32	4.745	
MW-53B	Shallow Bedrock	34	324.07	105	95	263.07	105	253.07	358.07	357.74	05/29/26	14.07	343.67	266040.73	2588701.22	40	2	32.226	75	32	4.745	
MW-54	Shallow Bedrock	24	337.31	40	30	331.31	40	321.31	361.31	360.95	NG	NG	N/A	266154.16	2589031.93	40	2	33.265	75	32	0.458	
MW-55	Shallow Bedrock	61	300.95	100	75	286.95	100	261.95	361.95	361.61	NG	NG	N/A	266201.14	2589447.59	40	2	33.626	75	31	55.100	Could not be located
MW-56	Shallow Bedrock	36	325.63	65	55	306.63	65	296.63	361.63	361.46	05/29/26	33.93	327.53	266312.15	2588950.88	40	2	34.846	75	32	1.448	
MW-57A	Shallow Bedrock	23	368.93	35	25	366.93	35	356.93	391.93	391.71	05/19/26	21.97	369.74	265574.68	2589045.08	40	2	27.537	75	32	0.476	
MW-57B	Intermediate Bedrock	23	368.93	130	85	306.93	130	261.93	391.93	391.71	05/19/26	27.71	364.00	265574.34	2589045.19	40	2	27.534	75	32	0.474	
MW-57C	Deep Bedrock	23	368.93	305	285	106.93	305	86.93	391.93	391.72	05/19/26	22.53	369.19	265574.46	2589044.94	40	2	27.535	75	32	0.477	
MW-58A	Shallow Bedrock	25	308.43	49	34	299.43	49	284.43	333.43	333.10	05/21/26	6.92	326.18	266447.22	2589502.11	40	2	36.044	75	31	54.319	
MW-58B	Intermediate Bedrock	25	308.43	165	155	178.43	165	168.43	333.43	333.08	05/21/26	9.10	323.98	266446.95	2589502.02	40	2	36.041	75	31	54.321	
MW-58C	Deep Bedrock	25	308.43	300	285	48.43	300	33.43	333.43	333.11	05/21/26	8.48	324.63	266446.81	2589502.14	40	2	36.040	75	31	54.319	
MW-59A	Shallow Bedrock	8	318.52	46	36	290.52	46	280.52	326.52	326.13	NG	NG	N/A	266626.45	2589033.72	40	2	37.930	75	32	0.282	Could not be located
MW-59B	Intermediate Bedrock	8	318.52	136	126	200.52	136	190.52	326.52	326.20	NG	NG	N/A	266626.40	2589033.48	40	2	37.930	75	32	0.285	Could not be located
MW-59C	Deep Bedrock	8	318.52	300	275	51.52	300	26.52	326.52	326.30	NG	NG	N/A	266626.57	2589033.57	40	2	37.932	75	32	0.284	Could not be located
MW-60	Overburden	43	294.65	43	33	304.65	43	294.65	337.65	337.32	05/22/26	23.53	313.79	266541.37	2587947.69	40	2	37.359	75	32	14.269	
MW-61	Overburden	76	277.22	76	66	287.22	76	277.22	353.22	352.86	5/22/2026	9.10	343.76	265924.25	2588491.76	40	2	31.128	75	32	7.475	
MW-62	Overburden	17.5	342.51	17.5	12.5	347.51	17.5	342.51	360.01	359.75	5/19/2026	16.01	343.74	266041.64	2588929.33	40	2	32.179	75	32	1.813	
MW-63	Overburden	21.5	338.15	21.5	11.5	348.15	21.5	338.15	359.65	359.40	5/19/2026	16.30	343.10	266113.89	2588841.58	40	2	32.914	75	32	2.917	
MW-64	Overburden	14	372.68	14	7	379.68	14	372.68	386.68	386.15	5/20/2026	6.23	379.92	265246.70	2587947.72	40	2	24.569	75	32	14.686	
MW-65	Overburden	24	373.92	24	14	383.92	24	373.92	397.92	397.58	5/26/2026	13.77	383.81	265177.91	2588237.23	40	2	23.817	75	32	10.987	



Table 1
Monitoring Well Gauging Summary

Monitoring Well	Groundwater Zone	Depth to Top of Bedrock	Bedrock Top Elevation	Installation Depth	Top of Screen/Open Hole Interval	Screen Top Elevation	Bottom of Screen/Open Hole Interval	Screen Bottom Elevation	Ground Elevation	Top of Casing Elevation	Date	Depth to Water	Groundwater Elevation	Northing	Easting	Latitude			Longitude			Comments
		(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)		(ft btoc)	(ft)			(Deg)	(Min)	(sec)	(Deg)	(Min)	(Sec)	
MW-66	Overburden	24	378.46	24	14	388.46	24	378.46	402.46	402.05	NG	NG	N/A	265094.29	2588039.94	40	2	23.040	75	32	13.550	Could not be gauged/sampled due to building safety concerns
MW-67	Overburden	12.5	375.21	12.5	3.5	384.21	12.5	375.21	387.71	387.02	5/20/2026	5.56	381.46	265230.57	2587946.12	40	2	24.410	75	32	14.712	
MW-68	Overburden	16	371.76	16	4	383.76	16	371.76	387.76	387.35	5/20/2026	5.97	381.38	265231.05	2587936.56	40	2	24.417	75	32	14.835	
MW-69	Overburden	25	362.64	25	4	383.64	25	362.64	387.64	387.26	5/20/2026	6.12	381.14	265238.80	2587948.26	40	2	24.490	75	32	14.682	
MW-70	Overburden	11.5	376.15	11.5	4.5	383.15	11.5	376.15	387.65	386.89	5/20/2026	5.70	381.19	265229.54	2587956.37	40	2	24.397	75	32	14.580	
MW-71	Overburden	16.5	371.21	16.5	4.5	383.21	16.5	371.21	387.71	386.93	5/20/2026	5.22	381.71	265223.23	2587948.17	40	2	24.337	75	32	14.688	
MW-72	Overburden	10	377.46	10	3	384.46	10	377.46	387.46	386.85	5/19/2026	6.36	380.49	265254.71	2587922.24	40	2	24.654	75	32	15.011	
MW-73	Overburden	9.5	378.00	9.5	3.5	384.00	9.5	378.00	387.50	386.56	5/19/2026	6.21	380.35	265263.21	2587937.62	40	2	24.734	75	32	14.811	
MW-74	Overburden	17	370.46	17	7	380.46	17	370.46	387.46	386.90	5/19/2026	6.93	379.97	265267.43	2587966.62	40	2	24.769	75	32	14.436	
MW-75A	Deep Bedrock	34	352.64	360	345	41.64	360	26.64	386.64	386.38	5/26/2026	18.60	367.78	265382.33	2588334.18	40	2	25.813	75	32	9.675	
MW-75B	Deep Bedrock	34	352.64	419	374	12.64	419	-32.36	386.64	386.36	5/26/2026	19.05	367.31	265382.58	2588334.12	40	2	25.815	75	32	9.676	
MW-76	Shallow Bedrock	12.5	375.14	41	31	356.64	41	346.64	387.64	387.05	5/20/2026	9.84	377.21	265231.86	2587950.74	40	2	24.421	75	32	14.652	
MW-77	Shallow Bedrock	11.5	375.93	50	40	347.43	50	337.43	387.43	386.96	5/21/2026	19.84	367.12	265266.15	2587957.71	40	2	24.758	75	32	14.551	
MW-78A	Shallow Bedrock	9.5	377.85	110	85	302.35	110	277.35	387.35	387.12	5/19/2026	22.05	365.07	265256.68	2587952.96	40	2	24.666	75	32	14.616	
MW-78B	Deep Bedrock	9.5	377.85	287	262	125.35	287	100.35	387.35	387.09	5/19/2026	22.02	365.07	265256.99	2587953.23	40	2	24.669	75	32	14.612	
MW-78C	Deep Bedrock	9.5	377.85	400	340	47.35	400	-12.65	387.35	387.07	5/20/2026	23.13	363.94	265256.69	2587953.29	40	2	24.666	75	32	14.611	
MW-79A	Intermediate Bedrock	21	338.15	170	140	219.15	170	189.15	359.15	358.98	5/21/2026	13.48	345.50	265814.94	2588574.28	40	2	30.027	75	32	6.449	
MW-79B	Deep Bedrock	21	338.15	350	320	39.15	350	9.15	359.15	358.99	5/21/2026	13.61	345.38	265815.25	2588574.28	40	2	30.030	75	32	6.449	
MW-80A	Intermediate Bedrock	8	344.52	170	145	207.52	170	182.52	352.52	352.41	5/21/2026	36.41	316.00	266879.16	2590151.81	40	2	40.150	75	31	45.828	
MW-80B	Deep Bedrock	8	344.52	360	320	32.52	360	-7.48	352.52	352.33	5/21/2026	39.41	312.92	266879.44	2590151.73	40	2	40.152	75	31	45.829	
MW-80C	Deep Bedrock	8	344.52	405	375	-22.48	405	-52.48	352.52	352.37	5/21/2026	38.94	313.43	266879.37	2590151.99	40	2	40.152	75	31	45.826	
MW-81	Shallow Bedrock	16	285.45	26	11	290.45	26	275.45	301.45	301.35	5/21/2026	15.83	285.52	267839.37	2590440.38	40	2	49.564	75	31	41.809	
MW-82A	Shallow Bedrock	20	281.75	85	50	251.75	85	216.75	301.75	301.55	5/21/2026	16.63	284.92	267835.77	2590446.91	40	2	49.527	75	31	41.726	
MW-82B	Deep Bedrock	20	281.75	265	235	66.75	265	36.75	301.75	301.53	5/21/2026	17.79	283.74	267835.68	2590446.72	40	2	49.526	75	31	41.728	
MW-83	Shallow Bedrock	28	314.57	42	32	310.57	42	300.57	342.57	342.28	5/21/2026	26.83	315.45	267339.49	2590800.95	40	2	44.536	75	31	37.335	
MW-84A	Intermediate Bedrock	29	313.58	165	135	207.58	165	177.58	342.58	342.30	5/21/2026	42.10	300.20	267340.94	2590806.35	40	2	44.549	75	31	37.265	
MW-84B	Deep Bedrock	29	313.58	300	270	72.58	300	42.58	342.58	342.24	5/21/2026	45.71	296.53	267340.99	2590806.10	40	2	44.549	75	31	37.269	
MW-85A	Shallow Bedrock	50	N/A	76	66	N/A	76	N/A	N/A	377.47	5/26/2026	3.68	373.79	265326.889	2588468.865	40	2	25.2317	75	32	7.9618	
MW-85B	Intermediate Bedrock	50	N/A	145	135	N/A	145	N/A	N/A	377.49	5/26/2026	42.68	334.81	265326.889	2588468.865	40	2	25.2317	75	32	7.9618	
MW-85C	Intermediate Bedrock	50	N/A	205	190	N/A	205	N/A	N/A	377.41	NG	NG	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Damaged
PZ-1	Overburden	N/A	N/A	5	1	343.99	5	339.99	344.99	347.59	5/20/2026	5.94	341.65	266017.76	2588430.16	40	2	32.067	75	32	8.237	
PZ-2	Overburden	N/A	N/A	5	1	339.83	5	335.83	340.83	344.05	5/20/2026	DRY	N/A	266108.86	2588449.89	40	2	32.962	75	32	7.954	
PZ-3	Overburden	N/A	N/A	7	2	334.72	7	329.72	336.72	339.40	NG	DRY	N/A	266212.21	2588501.07	40	2	33.970	75	32	7.262	
PZ-4	Overburden	N/A	N/A	9	2	322.65	9	315.65	324.65	327.45	NG	DRY	N/A	266494.88	2588606.19	40	2	36.737	75	32	5.820	
PZ-5	Overburden	N/A	N/A	5	1	317.50	5	313.50	318.50	321.30	5/19/2026	4.85	316.45	266715.93	2588833.73	40	2	38.864	75	32	2.824	
PZ-6	Overburden	N/A	N/A	7	2	339.96	7	334.96	341.96	344.70	5/20/2026	6.94	337.76	266139.57	2588588.20	40	2	33.231	75	32	6.166	
PZ-7	Overburden	N/A	N/A	10	3	333.03	10	326.03	336.03	338.77	5/20/2026	10.04	328.73	266271.58	2588555.22	40	2	34.543	75	32	6.547	
PZ-8	Overburden	13.5	293.35	13	3.5	303.35	13	293.85	306.85	306.89	5/22/2026	9.32	297.57	267258.13	2589267.24	40	2	44.113	75	31	57.077	
PZ-9	Overburden	13	275.61	10	3	285.61	10	278.61	288.61	288.47	5/22/2026	3.85	284.62	268206.67	2590302.79	40	2	53.227	75	31	43.458	
SMP-1	Overburden	10	360.72	10	5	365.72	10	360.72	370.72	373.35	5/26/2026	5.48	367.87	265435.16	2588430.81	40	2	26.311	75	32	8.416	
SMP-2R	Overburden	N/A	N/A	10	5	N/A	10	N/A	N/A	N/A	5/26/2026	4.73	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
SMP-3	Overburden	N/A	N/A	11	6	371.54	11	366.54	377.54	379.59	5/26/2026	3.57	376.02	265277.88	2588437.97	40	2	24.755	75	32	8.375	
SMP-4	Overburden	N/A	N/A	11	6	375.77	11	370.77	381.77	383.96	5/26/2026	4.28	379.68	265182.96	2588446.82	40	2	23.815	75	32	8.292	
SMP-5	Overburden	10	376.17	10	5	381.17	10	376.17	386.17	388.27	5/26/2026	14.00	374.27	265121.36	2588455.92	40	2	23.204	75	32	8.194	
30CR	Intermediate Bedrock	Unknown	Unknown	165	160	N/A	165	N/A	N/A	335.09	5/29/2026	11.70	323.39	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
CH2432	Deep Bedrock	Unknown	Unknown	292	41	N/A	292	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Production Well
CH2749	Bedrock	Unknown	Unknown	Unknown	Unknown	N/A	Unknown	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Production Well

NOTES:
Shallow bedrock wells: screen < 120 ft bgs
Intermediate bedrock wells: screen 120-222 ft bgs
Deep bedrock wells: screen > 222 ft bgs
Monitoring well construction details obtained from the January 13, 2021 Remedial Investigation Report prepared by Roux Associates, Inc.
Geographic coordinates and elevations obtained from March 19, 2018 surey conducted by Dennis W. Sklar, Inc.
Horizontal Datum: Pennsylvania State Plane Coordinates NAD 83 - South Zone
Vertical Datum: NAVD 88

ft: feet
btoc: below top of casing
N/A: not available
NG: not gauged
Deg: degrees
Min: minutes
Sec: seconds



Table 2A Groundwater Analytical Data Summary: Volatile Organic Compounds

Table 2A
Groundwater Analytical Data Summary
Volatile Organic Compounds

Analyte		1,1-Dichloroethane (1,1-DCA) ¹	1,1-Dichloroethene (1,1-Dichloroethylene, 1,1-DCE) ²	1,1,1-Trichloroethane (1,1,1-TCA) ^{1,2,3}	1,1,2-Trichloroethane (1,1,2-TCA) ^{1,2}	1,2-Dichloroethane (1,2-DCA) ²	Benzene ¹	Bromomethane (methyl bromide) ¹	Carbon tetrachloride ¹	Chloromethane (Methyl Chloride) ¹	cis-1,2-Dichloroethene (cis-1,2-Dichloroethylene, cis-1,2-DCE) ^{1,2}	Methyl tertiary butyl ether (MTBE) ¹	Methylene Chloride (Dichloromethane) ¹	Tetrachloroethene (Tetrachloroethylene, PCE) ^{1,2}	trans-1,2-Dichloroethene (trans-1,2-Dichloroethylene, trans-1,2-DCE) ¹	Trichloroethene (Trichloroethylene, TCE) ^{1,2,3}	Vinyl chloride (VC) ^{1,2}
CAS #		75-34-3	75-35-4	71-55-6	78-00-5	107-06-2	71-43-2	74-83-9	56-23-5	74-87-3	156-59-2	1634-04-4	75-09-2	127-18-4	156-60-5	79-01-6	75-01-4
Units		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
DEP Groundwater SHS for a Used, Residential Aquifer		31	7	200	5	5	5	10	5	30	70	20	5	5	100	5	2
SamplingEvent	Sample Date	Sample ID	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL
Data Gap Investigation - Groundwater Samples - May 2026	6/4/2026	MW-1	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
	6/3/2026	MW-2	ND		1.0	ND		1.0	2.0		1.0	ND		1.0	ND		1.0
	6/3/2026	MW-3	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
	6/2/2026	MW-4	75		1.0	ND		1.0	0.79	J	1.0	ND		1.0	ND		1.0
	6/2/2026	MW-5	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
	6/4/2026	MW-6	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
	6/4/2026	MW-9	5.7		1.0	1.5		1.0	29		1.0	ND		1.0	ND		1.0
	6/3/2026	MW-11	9.3		1.0	0.72	J	1.0	9.1		1.0	ND		1.0	ND		1.0
	6/5/2026	MW-13	2		1.0	1.5		1.0	20		1.0	ND		1.0	ND		1.0
	6/1/2026	MW-14	ND		1.0	ND		1.0	1.7		1.0	ND		1.0	ND		1.0
	6/1/2026	MW-15	37		1.0	90		1.0	1,800		20	0.31	J	1.0	ND		1.0
	6/4/2026	MW-16	3.4		1.0	5.9		1.0	110		1.0	ND		1.0	ND		1.0
	6/3/2026	MW-18	1.3		1.0	ND		1.0	50		1.0	ND		1.0	ND		1.0
	6/4/2026	MW-20R	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
	6/4/2026	MW-21	5		1.0	2.1		1.0	52		1.0	ND		1.0	ND		1.0
	6/2/2026	MW-22	ND		1.0	ND		1.0	1.3		1.0	ND		1.0	ND		1.0
	6/3/2026	MW-24	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
	6/3/2026	MW-25A	5.2		1.0	3.1		1	12		1.0	ND		1.0	ND		1.0
	6/3/2026	MW-25B	2,000		50	570		5.0	150		5.0	1.7	J	5.0	3.9	J	5.0
	6/3/2026	MW-25C	37		1.0	42		1.0	38		1.0	ND		1.0	ND		1.0
	6/3/2026	MW-26A	3.5		1.0	ND		1.0	5.8		1.0	ND		1.0	ND		1.0
	6/3/2026	MW-26B	3.2		1.0	4.7		1.0	ND		1.0	ND		1.0	ND		1.0
	6/3/2026	Duplicate 5 (MW-26B)	3.1		1.0	4.5		1.0	ND		1.0	ND		1.0	ND		1.0
	6/3/2026	MW-26C	ND		500	ND		500	ND		500	ND		500	ND		500
	6/2/2026	MW-27C	16		1.0	ND		1.0	ND		1.0	0.44	J	1.0	ND		1.0
	6/2/2026	MW-27B	2.3		1.0	10		1.0	8.3	J	1.0	ND		1.0	ND		1.0
	6/2/2026	Duplicate 4 (MW-27B)	1.9		1.0	9.5		1.0	8.7	J	1.0	ND		1.0	ND		1.0
	6/2/2026	MW-27A	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
	6/1/2026	MW-28A	24		1.0	1.2		1.0	6.7		1.0	ND		1.0	ND		1.0
	6/1/2026	Duplicate 3 (MW-28A)	19		1.0	0.65	J	1.0	7.8		1.0	ND		1.0	ND		1.0
	6/1/2026	MW-28B	72		1.0	57		1.0	1,290		20	ND		1.0	0.69	J	1.0
	6/1/2026	MW-28C	1,300		5.0	320		5.0	24		5.0	ND		5.0	10		5.0
	6/5/2026	MW-30CR	0.63	J	1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
	5/27/2026	MW-32	0.33	J	1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
	5/26/2026	MW-33	1		1.0	0.32	J	1.0	4.5		1.0	ND		1.0	ND		1.0
	5/26/2026	MW-35	4.7		1.0	1.1		1.0	13		1.0	ND		1.0	ND		1.0
	6/4/2026	MW-36	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
	5/29/2026	MW-37	2.2		1.0	0.53	J	1.0	2.9		1.0	ND		1.0	ND		1.0
	5/29/2026	MW-38	33		5.0	38		5.0	210		5.0	ND		5.0	ND		5.0
	5/29/2026	MW-40	5.5		1.0	2.7		1.0	19		1.0	ND		1.0	ND		1.0
	5/29/2026	MW-42	38		5.0	36		5.0	160		5.0	ND		5.0	ND		5.0
	6/2/2026	MW-43A	16		1.0	5.8		1.0	32		1.0	ND		1.0	ND		1.0
	6/2/2026	MW-43B	15		1.0	4.8		1.0	3.9		1.0	ND		1.0	ND		1.0
	6/2/2026	MW-43C	12		1.0	ND		1.0	2.8		1.0	ND		1.0	ND		1.0
	5/29/2026	MW-44A	42		5.0	35		5.0	240		5.0	ND		5.0	ND		5.0
	5/29/2026	MW-44B	24		2.0	21		2.0	130		2.0	ND		2.0	ND		2.0
	6/2/2026	MW-44C	55		1.0	42		1.0	73		1.0	ND		1.0	ND		1.0
	5/29/2026	MW-45A	57		1.0	5.0		1.0	1.9		1.0	ND		1.0	ND		1.0
	5/29/2026	MW-45B	2.5		1.0	0.51	J	1.0	ND		1.0	ND		1.0	ND		1.0
	5/29/2026	MW-45C	36		1.0	19		1.0	0.49	J	1.0	ND		1.0	ND		1.0
	6/2/2026	MW-46	ND		2.0	ND		2.0	ND		2.0	ND		2.0	ND		2.0
	6/2/2026	MW-47	83		1.0	82		1.0	400		1.0	ND		1.0	ND		1.0
	6/1/2026	MW-49A	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
	6/1/2026	MW-49B	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
	6/1/2026	MW-50A	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
	6/1/2026	MW-50B	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
	6/1/2026	MW-51A	2.2		1.0	1.5		1.0	8.3		1.0	ND		1.0	ND		1.0
	6/1/2026	MW-51B	2.2		1.0	5.2		1.0	0.56	J	1.0	ND		1.0	ND		1.0
	6/1/2026	MW-52	0.94	J	1.0	ND		1.0	5.8		1.0	ND		1.0	ND		1.0
	6/2/2026	MW-53A	35		1.0	40		1.0	150		1.0	ND		1.0	ND		1.0
	6/2/2026	MW-53B	28		1.0	2.7		1.0	5.1		1.0	ND		1.0	ND		1.0
	6/2/2026	MW-54	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
	6/2/2026	MW-56	37		1.0	32		1.0	130		1.0	ND		1.0	ND		1.0
	5/28/2026	MW-57A	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
	5/28/2026	MW-57B	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
	5/28/2026	MW-57C	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
	5/27/2026	MW-58A	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
	5/27/2026	MW-58B	0.34	J	1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
	5/27/2026	MW-58C	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
	6/1/2026	MW-60	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0
	6/3/2026	MW-61	11		1.0	23		1.0	210		1.0	ND		1.0	ND		1.0
	6/2/2026	MW-62	0.32	J	1.0	ND		1.0	0.66	J	1.0	ND		1.0	ND		1.0
	6/2/2026	MW-63	75		1.0	65		1.0	410		1.0	ND		1.0	ND		1.0
	5/28/2026	MW-64	53	J	100	59	J	100	140		100	ND		100	ND		100
	6/2/2026	MW-65	ND		1.0	ND		1.0	1.5		1.0	ND		1.0	ND		1.0
	5/29/2026	MW-67	9.9	J	20	37		20	83		20	ND		20	ND		20
	5/29/2026	Duplicate # 2 (MW-67)	12	J	20	33		20	83		20	ND		20	ND		20
	6/4/2026	MW-68	300		10	200		10	200		10	ND		10	ND		10
	6/4/2026	MW-69	17		1.0	46		1.0	100		1.0	ND		1.0	ND		1.0
	6/4/2026	MW-70	1,300		10	690		10	1,600		10	ND		10	ND		10
	6/4/2026	MW-71	11		1.0	2.4		1.0	6.1		1.0	ND		1.0	ND		1.0



Table 2A
Groundwater Analytical Data Summary
Volatile Organic Compounds

Analyte			1,1-Dichloroethane (1,1-DCA) ¹			1,1-Dichloroethene (1,1-Dichloroethylene, 1,1-DCE) ²			1,1,1-Trichloroethane (1,1,1-TCA) ^{1,2,3}			1,1,2-Trichloroethane (1,1,2-TCA) ^{1,2}			1,2-Dichloroethane (1,2-DCA) ²			Benzene ¹			Bromomethane (methyl bromide) ¹			Carbon tetrachloride ¹			Chloromethane (Methyl Chloride) ¹			cis-1,2-Dichloroethene (cis-1,2-Dichloroethylene, cis-1,2-DCE) ^{1,2,3}			Methyl tertiary butyl ether (MTBE) ¹			Methylene Chloride (Dichloromethane) ¹			Tetrachloroethene (Tetrachloroethylene, PCE) ^{1,2}			trans-1,2-Dichloroethene (trans-1,2-Dichloroethylene, trans-1,2-DCE) ¹			Trichloroethene (Trichloroethylene, TCE) ^{1,2,3}			Vinyl chloride (VC) ^{1,2}					
CAS #			75-34-3			75-35-4			71-55-6			79-00-5			107-06-2			71-43-2			74-83-9			56-23-5			74-87-3			156-59-2			1634-04-4			75-09-2			127-18-4			156-60-5			79-01-6			75-01-4					
Units			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)					
DEP Groundwater SHS for a Used, Residential Aquifer			31			7			200			5			5			5			10			5			30			70			20			5			5			100			5			2					
SamplingEvent	Sample Date	Sample ID	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL						
Data Gap Investigation - Groundwater Samples - May 2026	6/3/2026	MW-72	160		100	160		100	2,890		100	ND		100	ND		100	ND		100	ND		100	43	J	100	ND		200	46,000		1,000	ND		100	ND		100	1,400		100	ND		200	300,000		5,000	540		100			
	6/3/2026	MW-73	45	J	50	52		50	160		50	ND		50	ND		50	ND		50	ND		50	ND		50	ND		100	11,000		50	ND		50	ND		50	200		50	ND		100	28,000		500	91		50			
	5/29/2026	MW-74	250		20	510		20	650		20	ND		20	ND		20	ND		20	ND		20	ND		20	ND		40	15,000		2,000	ND		20	ND		20	100		20	55		40	17,000		2,000	750		20			
	6/2/2026	MW-75A	ND		500	ND		500	ND		500	ND		500	ND		500	ND		500	ND		500	ND		500	ND		1,000	520		500	ND		500	ND		500	1,300		500	ND		1,000	450,000		5,000	ND		500			
	6/2/2026	MW-75B	ND		500	ND		500	360	J	500	ND		500	ND		500	ND		500	ND		500	ND		500	ND		1,000	3,500		500	ND		500	ND		500	1,000		500	ND		1,000	790,000		5,000	ND		500			
	5/28/2026	MW-76	5.4	H	1.0	ND	H	1.0	23	H	1.0	ND	H	1.0	ND	H	1.0	ND	H	1.0	ND	H	1.0	ND	H	1.0	ND	H	2.0	ND	H	1.0	1.5	H	1.0	ND	H	1.0	ND	H	1.0	ND	H	2.0	28	H	1.0	ND	H	1.0			
	5/28/2026	MW-77	180		100	230		100	4,900		100	ND		100	ND		100	ND		100	ND		100	ND		100	ND		200	1,800		100	ND		100	ND		100	ND		100	13,000		100	ND		100						
	5/28/2026	MW-78A	20		10	ND		10	63		10	ND		10	ND		10	ND		10	ND		10	ND		10	ND		20	530		10	ND		10	ND		10	ND		10	ND		20	44		10	47		10			
	5/28/2026	MW-78B	2,600		250	210	J	250	11,000		250	ND		250	ND		250	ND		250	ND		250	ND		250	ND		500	13,000		250	ND		250	ND		250	83	J	250	ND		500	67,000		250	11,000		250			
	5/28/2026	MW-78C	8,300		1,000	4,500		1,000	56,000		1,000	ND		1,000	ND		1,000	ND		1,000	ND		1,000	ND		1,000	ND		2,000	24,000		1,000	ND		1,000	ND		1,000	490	J	1,000	ND		2,000	400,000		10,000	610	J	1000			
	6/1/2026	MW-79A	150		1.0	170		1.0	ND		1.0	ND		1.0	ND		1.0	4.6		1.0	ND		1.0	ND		1.0	ND		2.0	1,900		10	2.9		1.0	4.1		1.0	540		10	7.1		2.0	110,000		2,000	5.6		1.0			
	6/1/2026	MW-79B	2.9		1.0	2.2		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	520		10	0.57	J	1.0	ND		1.0	5.9		1.0	6.0		2.0	790		10	0.86	J	1.0			
	5/27/2026	MW-80A	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	0.49	J	1.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	0.81	J	1.0	ND		1.0			
	5/27/2026	MW-80B	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	2.5		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	0.32	J	1.0	3.8		1.0			
	5/27/2026	MW-80C	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	0.96	J	1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0	5.1		1.0			
	6/1/2026	MW-81	10		1.0	3.0		1.0	2.9		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	23		1.0	ND		1.0	ND		1.0	1.9		1.0	ND		2.0	3.2		1.0	ND		1.0			
	6/1/2026	MW-82A	6.6		1.0	3.9		1.0	10		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	22		1.0	ND		1.0	ND		1.0	8.7		1.0	ND		2.0	8.4		1.0	ND		1.0			
	6/1/2026	MW-82B	8.6		1.0	1.0		1.0	2.1		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	13		1.0	ND		1.0	ND		1.0	1.2		1.0	ND		2.0	1.9		1.0	3.3		1.0			
	5/27/2026	MW-83	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	2.0		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0	ND		1.0			
	5/27/2026	MW-84A	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	0.99	J	1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0	ND		1.0
	5/27/2026	Duplicate 1 (MW-84A)	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	0.97	J	1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0	ND		1.0			
	5/27/2026	MW-84B	0.59	J	1.0	0.33	J	1.0	ND		1.0	ND		1.0	ND		1.0	0.32	J	1.0	ND		1.0	ND		1.0	ND		2.0	18		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0	6.6		1.0			
	6/5/2026	MW-85A	1.6		1.0	2.7		1.0	51		1.0	ND		1.0	ND		1.0	0.42	J	1.0	ND		1.0	1.5		1.0	ND		2.0	31		1.0	ND		1.0	ND		1.0	180		1.0	ND		2.0	27,000		100	ND		1.0			
	6/5/2026	Duplicate 6 (MW-85A)	1.6		1.0	3.1		1.0	54		1.0	ND		1.0	ND		1.0	0.44	J	1.0	ND		1.0	1.3		1.0	ND		2.0	33		1.0	ND		1.0	ND		1.0	210		1.0	ND		2.0	28,000		100	ND		1.0			
	6/5/2026	MW-85B	ND		1.0	ND		1.0	4.9		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	2.8		1.0	ND		1.0	ND		1.0	16		1.0	1.4	J	2.0	2,200		50	ND		1.0			
	6/5/2026	PZ-1	4.8		1.0	5.1		1.0	7.3		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	34		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	14		1.0	ND		1.0			
	5/26/2026	PZ-5	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	0.41	J	1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	0.48	J	1.0	ND		1.0			
	6/5/2026	PZ-6	8.7		1.0	2.8		1.0	15		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	24		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	22		1.0	ND		1.0			
	6/5/2026	PZ-7	ND		1.0	ND		1.0	0.42	J	1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	0.40	J	1.0	ND		1.0			
	5/27/2026	PZ-8	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0	ND		1.0			
	6/5/2026	PZ-9	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0	ND		1.0			
	6/4/2026	SMP-1	3.9		1.0	1.7		1.0	32		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	210		1.0	1.2		1.0	ND		1.0	ND		1.0	1.6	J	2.0	13		1.0	1.1		1.0			
	6/4/2026	SMP-2R	0.50	J	1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	0.59	J	1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	0.39								



Table 2B – Groundwater Analytical Summary Data Summary: Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS)

Table 2B



**Groundwater Analytical Data Summary
Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS)**

			Analyte			Perfluorohexanesulfonic acid (PFHxS)			Perfluorononanoic acid (PFNA)			Perfluorooctanesulfonic acid (PFOS)			Perfluorooctanoic acid (PFOA)		
			CAS #			355-46-4			375-95-1			1763-23-1			335-67-1		
			Units			(ng/L)			(ng/L)			(ng/L)			(ng/L)		
DEP Groundwater SHS for a Used, Residential Aquifer			10			10			4			4					
SamplingEvent	Sample Date	Sample ID	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL
Data Gap Investigation Groundwater Samples May 2026	6/4/2026	MW-1	1.8		1.7	1.2	J	1.7	2.1		1.7	6.2		1.7			
	6/3/2026	MW-2	ND		1.8	ND		1.8	ND		1.8	3.0		1.8			
	6/3/2026	MW-3	ND		1.7	3.0		1.7	ND		1.7	6.1		1.7			
	6/2/2026	MW-4	0.79	J	1.7	2.2		1.7	1.3	J	1.7	5.3		1.7			
	6/2/2026	MW-5	ND		1.7	2.1		1.7	ND		1.7	30		1.7			
	6/4/2026	MW-6	ND		1.8	2.1		1.8	ND		1.8	12		1.8			
	6/4/2026	MW-9	0.84	J	1.8	24		1.8	2.9		1.8	88		1.8			
	6/3/2026	MW-11	ND		1.7	18		1.7	3.0		1.7	35		1.7			
	6/5/2026	MW-13	0.78	J	1.8	3.2		1.8	1.7	J	1.8	3.9		1.8			
	6/1/2026	MW-14	1.7	J	1.9	17		1.9	29		1.9	17		1.9			
	6/1/2026	MW-15	1.0	J	1.7	31		1.7	4.2		1.7	65		1.7			
	6/4/2026	MW-16	0.87	J	1.9	8.7		1.9	3.0		1.9	23		1.9			
	6/3/2026	MW-18	ND		1.8	15		1.8	2.2		1.8	38		1.8			
	6/4/2026	MW-20R	1.3	J	1.9	28		1.9	3.2		1.9	170		1.9			
	6/4/2026	MW-21	0.72	J	1.8	1.1	J	1.8	ND		1.8	2.5		1.8			
	6/2/2026	MW-22	0.90	J	1.6	14		1.6	1.6		1.6	43		1.6			
	6/3/2026	MW-24	0.92	J	1.7	38		1.7	2.4		1.7	29		1.7			
	6/3/2026	MW-25A	ND		1.7	11		1.7	3.4		1.7	27		1.7			
	6/3/2026	MW-25B	3.8		1.8	14		1.8	2.2		1.8	70		1.8			
	6/3/2026	MW-25C	ND		1.8	2.6		1.8	1.8		1.8	8.0		1.8			
	6/3/2026	MW-26A	ND		1.8	15		1.8	5.1		1.8	41		1.8			
	6/3/2026	MW-26B	ND		1.8	2.0		1.8	1.6	J	1.8	8.7		1.8			
	6/3/2026	Duplicate 5 (MW-26B)	ND		1.8	1.4	J	1.8	1.9		1.8	4.1		1.8			
	6/3/2026	MW-26C	ND		1.9	11		1.9	ND		1.9	26		1.9			
	6/2/2026	MW-27C	ND		1.8	18		1.8	ND		1.8	35		1.8			
	6/2/2026	MW-27B	ND		1.6	13		1.6	1.3	J	1.6	51		1.6			
	6/2/2026	Duplicate 4 (MW-27B)	ND		1.8	9.5		1.8	ND		1.8	41		1.8			
	6/2/2026	MW-27A	ND		1.6	17		1.6	2.1		1.6	75		1.6			
	6/1/2026	MW-28A	2.8		1.8	13		1.8	24		1.8	73		1.8			
	6/1/2026	Duplicate 3 (MW-28A)	2.2		1.7	10		1.7	16		1.7	59		1.7			
	6/1/2026	MW-28B	0.89	J	1.6	39		1.6	3.0		1.6	120		1.6			
	6/1/2026	MW-28C	1.1	J	1.7	18		1.7	ND		1.7	84		1.7			
	6/5/2026	MW-30CR	3.4		1.8	11		1.8	9.5		1.8	42		1.8			
	5/27/2026	MW-32	2.0		1.5	1.9		1.5	8.6		1.5	3.9		1.5			
	5/26/2026	MW-33	44		1.5	8.2		1.5	660		1.5	51		1.5			
	5/26/2026	MW-35	2.1		1.6	3.5		1.6	5.5		1.6	14		1.6			
	6/4/2026	MW-36	ND		2.0	ND		2.0	12		2.0	4.7		2.0			
	5/29/2026	MW-37	2.6		1.6	8.9		1.6	12		1.6	13		1.6			
	5/29/2026	MW-38	ND		1.7	4.7		1.7	4.3		1.7	9.2		1.7			
	5/29/2026	MW-40	2.1		1.6	3.9		1.6	6.5		1.6	15		1.6			
	5/29/2026	MW-42	2.2		1.7	10		1.7	8.8		1.7	24		1.7			
	6/2/2026	MW-43A	2.9		1.7	6.3		1.7	8.4		1.7	27		1.7			
	6/2/2026	MW-43B	3.7		1.7	7.2		1.7	7.3		1.7	32		1.7			
	6/2/2026	MW-43C	2.4		1.8	8.3		1.8	9.4		1.8	31		1.8			
	5/29/2026	MW-44A	2.0		1.4	12		1.4	8.6		1.4	38		1.4			
	5/29/2026	MW-44B	1.7		1.6	8.6		1.6	7.7		1.6	27		1.6			
	6/2/2026	MW-44C	2.3		1.6	9.4		1.6	7.9		1.6	33		1.6			
	5/29/2026	MW-45A	2.1		1.6	5.2		1.6	4.0		1.6	18		1.6			
	5/29/2026	MW-45B	ND		1.5	ND		1.5	ND		1.5	1.6		1.5			
	5/29/2026	MW-45C	1.4	J	1.6	2.5		1.6	1.7		1.6	12		1.6			
	6/2/2026	MW-46	4.6		2.0	3.0		2.0	19		2.0	14		2.0			
	6/2/2026	MW-47	1.5	J	1.8	14		1.8	7.2		1.8	35		1.8			
	6/1/2026	MW-49A	ND		1.6	3.9		1.6	6.0		1.6	3.4		1.6			
	6/1/2026	MW-49B	ND		1.6	0.64	J	1.6	ND		1.6	1.8		1.6			
	6/1/2026	MW-50A	4.0		1.5	6.7		1.5	17		1.5	12		1.5			
	6/1/2026	MW-50B	3.3		1.4	18		1.4	19		1.4	14		1.4			
	6/1/2026	MW-51A	1.3	J	1.7	10		1.7	7.8		1.7	48		1.7			
	6/1/2026	MW-51B	ND		1.6	0.73	J	1.6	ND		1.6	2.6		1.6			
	6/1/2026	MW-52	2.3		1.6	12		1.6	12		1.6	57		1.6			
	6/2/2026	MW-53A	2.1		1.6	10		1.6	12		1.6	34		1.6			
	6/2/2026	MW-53B	0.85	J	1.7	3.6		1.7	2.8		1.7	12		1.7			
	6/2/2026	MW-54	ND		1.5	1.4	J	1.5	3.1		1.5	2.7		1.5			
	6/2/2026	MW-56	1.8		1.6	9.8		1.6	9.9		1.6	24		1.6			
	5/28/2026	MW-57A	1.1	J	1.6	1.0	J	1.6	3.6		1.6	4.9		1.6			
	5/28/2026	MW-57B	ND		1.6	ND		1.6	ND		1.6	1.7		1.6			
	5/28/2026	MW-57C	1.6	J	1.7	2.2		1.7	5.0		1.7	8.0		1.7			
	5/27/2026	MW-58A	0.67	J	1.6	1.3	J	1.6	2.2		1.6	4.1		1.6			
	5/27/2026	MW-58B	0.81	J	1.5	2.6		1.5	1.8		1.5	7.1		1.5			
	5/27/2026	MW-58C	0.71	J	1.6	2.2		1.6	1.9		1.6	5.4		1.6			
	6/1/2026	MW-60	ND		1.6	ND		1.6	ND		1.6	3.1		1.6			
	6/3/2026	MW-61	1.2	J	1.4	14		1.4	5.8		1.4	29		1.4			
	6/2/2026	MW-62	2.5		1.8	4.7		1.8	13		1.8	20		1.8			
	6/2/2026	MW-63	1.4	J	1.8	15		1.8	10		1.8	38		1.8			
	5/28/2026	MW-64	1.3	J	2.2	32		2.2	4.7		2.2	97		2.2			
	6/2/2026	MW-65	0.89	J	1.9	23		1.9	2.4		1.9	94		1.9			

Table 2B



**Groundwater Analytical Data Summary
Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS)**

Analyte			Perfluorohexanesulfonic acid (PFHxS)			Perfluorononanoic acid (PFNA)			Perfluorooctanesulfonic acid (PFOS)			Perfluorooctanoic acid (PFOA)		
CAS #			355-46-4			375-95-1			1763-23-1			335-67-1		
Units			(ng/L)			(ng/L)			(ng/L)			(ng/L)		
DEP Groundwater SHS for a Used, Residential Aquifer			10			10			4			4		
SamplingEvent	Sample Date	Sample ID	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL
Data Gap Investigation Groundwater Samples May 2026	5/29/2026	MW-67	2.8		1.7	54		1.7	16		1.7	180		1.7
	5/29/2026	Duplicate # 2 (MW-67)	2.6		1.7	57		1.7	17		1.7	180		1.7
	6/4/2026	MW-68	1.3	J	1.7	31		1.7	5.0		1.7	120		1.7
	6/4/2026	MW-69	ND		1.9	34		1.9	8.9		1.9	130		1.9
	6/4/2026	MW-70	ND		1.8	36		1.8	9.2		1.8	170		1.8
	6/4/2026	MW-71	1.2	J	1.9	30		1.9	3.7		1.9	110		1.9
	6/3/2026	MW-72	1.7	J	1.9	36		1.9	9.2		1.9	170		1.9
	6/3/2026	MW-73	1.4	J	1.9	33		1.9	6.5		1.9	180		1.9
	5/29/2026	MW-74	1.3	J	1.5	29		1.5	4.4		1.5	100		1.5
	6/2/2026	MW-75A	ND		1.6	ND		1.6	ND		1.6	1.4	J	1.6
	6/2/2026	MW-75B	ND		1.7	2.0		1.7	ND		1.7	16		1.7
	5/28/2026	MW-76	1.1	J H	1.6	40		1.6	3.3	H	1.6	150		1.6
	5/28/2026	MW-77	1.2	J	1.8	37		1.8	5.3		1.8	66		1.8
	5/28/2026	MW-78A	1.0	J	1.6	40		1.6	5.4		1.6	160		1.6
	5/28/2026	MW-78B	1.3	J	1.7	24		1.7	4.2		1.7	130		1.7
	5/28/2026	MW-78C	0.79	J	1.6	8.4		1.6	ND		1.6	30		1.6
	6/1/2026	MW-79A	ND		1.5	2.1		1.5	ND		1.5	18		1.5
	6/1/2026	MW-79B	ND		1.6	6.2		1.6	1.5	J	1.6	39		1.6
	5/27/2026	MW-80A	2.9		1.7	4.2		1.7	43		1.7	17		1.7
	5/27/2026	MW-80B	3.0		1.6	2.4		1.6	30		1.6	12		1.6
	5/27/2026	MW-80C	3.8		1.6	2.7		1.6	27		1.6	15		1.6
	6/1/2026	MW-81	1.8		1.8	4.7		1.8	7.7		1.8	12		1.8
	6/1/2026	MW-82A	2.2		1.6	6.4		1.6	8.7		1.6	20		1.6
	6/1/2026	MW-82B	2.1		1.6	6.2		1.6	7.7		1.6	18		1.6
	5/27/2026	MW-83	1.2	J	1.6	1.6		1.6	3.1		1.6	8.2		1.6
	5/27/2026	MW-84A	ND		1.6	1.6		1.6	2.7		1.6	4.2		1.6
	5/27/2026	Duplicate 1 (MW-84A)	0.87	J	1.6	1.6		1.6	3.0		1.6	3.9		1.6
	5/27/2026	MW-84B	2.2		1.9	1.7	J	1.9	12		1.9	9.0		1.9
	6/5/2026	MW-85A	1.1	J	1.8	18		1.8	2.3		1.8	90		1.8
	6/5/2026	Duplicate 6 (MW-85A)	0.91	J	1.7	17		1.7	7.5		1.7	83		1.7
	6/5/2026	MW-85B	0.97	J	1.8	4.6		1.8	2.3		1.8	20		1.8
	6/5/2026	PZ-1	2.8		2.5	5.7		2.5	8.0		2.5	22		2.5
	5/26/2026	PZ-5	2.3		1.6	7.2		1.6	9.3		1.6	23		1.6
	6/5/2026	PZ-6	1.5	J	1.8	4.8		1.8	4.6		1.8	17		1.8
	6/5/2026	PZ-7	2.2		1.8	4.4		1.8	6.0		1.8	18		1.8
	5/27/2026	PZ-8	1.4	J	1.7	3.9		1.7	5.1		1.7	9.1		1.7
	6/5/2026	PZ-9	3.5		1.6	2.0		1.6	11		1.6	8.9		1.6
	6/4/2026	SMP-1	1.0	J	1.8	28		1.8	3.2		1.8	100		1.8
	6/4/2026	SMP-2R	1.0	J	1.8	3.5		1.8	5.2		1.8	8.6		1.8
	6/4/2026	SMP-3	0.96	J	1.8	6.4		1.8	2.2		1.8	20		1.8
	6/4/2026	SMP-4	0.77	J	1.7	5.8		1.7	2.3		1.7	17		1.7
	6/4/2026	SMP-5	0.87	J	1.8	1.8		1.8	ND		1.8	6.3		1.8

Notes:
DEP: Pennsylvania Department of Environmental Protection
SHS: Statewide Health Standard
ng/L: nanograms per liter
NS: No standard
NA: Not Analyzed
RL: Reporting Limit
ND: Indicates analysis was performed for the test but it was not detected. The sampling reporting limit is reported.
J: Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value
H: Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
B : Analyte was found in the blank.
Bolded results indicate a detection
Indicates concentrations exceed the applicable DEP Act 2 Standard.
DEP Act 2 Standards were converted to ng/L from µg/L due to laboratory reporting all data in ng/L
HFPO-DA is the ionic compound of the Hexafluoropropylene Oxide Dimer Acid (Gen-X) Ammonium Salt and shares the same proposed MSC.
PFBS is the ionic compound of the potassium perfluorobutane sulfonate salt and shares the same proposed MSC.
K+PFBS and HFPO-DA not analyzed under EPA 1633A. These compounds are reported as acid or anion species per the analytical method



Table 2C – Groundwater Analytical Data Summary: Inorganics



Table 2C

Groundwater Analytical Data Summary
Inorganic Compounds

Analyte			Chromium (Total) ^{1,2,3}			Chromium VI ^{1,2,3}			Fluoride ^{1,3}			Manganese ^{1,2}			Nickel ^{1,2,3}		
CAS #			7440-47-3			18540-29-9			16984-48-8			7439-95-4			7440-02-0		
Units			(mg/L)			(mg/L)			(mg/L)			(mg/L)			(mg/L)		
DEP Groundwater SHS for a Used, Residential Aquifer			0.1			NS			4			0.3			0.1		
Sampling Event	Sample Date	Sample ID	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL
Data Gap Investigation - Groundwater Samples - May 2026	6/4/2026	MW-1	ND		0.0021	ND		0.010	ND		0.20	ND		0.0021	0.0014		0.0010
	6/3/2026	MW-2	ND		0.0021	ND		0.010	ND		0.20	ND		0.0021	ND		0.0010
	6/3/2026	MW-3	ND		0.0021	ND		0.010	ND		0.20	0.0020	J	0.0021	0.00057	J	0.0010
	6/4/2026	MW-4	0.0015	J	0.0021	ND		0.010	4.4		1.0	0.52		0.0021	0.012		0.0010
	6/2/2026	MW-5	0.00073	J	0.0021	ND		0.010	5.8		2.0	0.23		0.0021	0.019		0.0010
	6/4/2026	MW-6	0.00074	J	0.0021	ND		0.010	0.65		0.20	0.49		0.0021	0.0045		0.0010
	6/4/2026	MW-9	ND		0.0021	ND		0.010	2.1		0.20	0.34		0.0021	0.0059		0.0010
	6/3/2026	MW-11	ND		0.0021	ND		0.010	0.14	J	0.20	0.0069		0.0021	0.0032		0.0010
	6/5/2026	MW-13	ND		0.0021	ND		0.010	ND		0.20	ND		0.0021	0.0035		0.0010
	6/1/2026	MW-14	ND		0.0021	ND		0.010	ND		0.20	0.0015	J	0.0021	0.00043	J	0.0010
	6/1/2026	MW-15	ND		0.0021	ND		0.010	0.17	J	0.20	1.5		0.0021	0.0015		0.0010
	6/4/2026	MW-16	ND		0.0021	ND		0.010	ND		0.20	ND		0.0021	ND		0.0010
	6/3/2026	MW-18	ND		0.0021	ND		0.010	0.50		0.20	0.0013	J	0.0021	0.00053	J	0.0010
	6/4/2026	MW-20R	0.0058		0.0021	ND		0.010	0.18	J	0.20	ND		0.0021	ND		0.0010
	6/4/2026	MW-21	ND		0.0021	ND		0.010	23		2.0	0.11		0.0021	0.073		0.0010
	6/2/2026	MW-22	0.088		0.0021	0.26		0.010	13		2.0	0.24		0.0021	0.20		0.0010
	6/3/2026	MW-24	ND		0.0021	ND		0.010	ND		0.20	0.0017	J	0.0021	ND		0.0010
	6/3/2026	MW-25A	0.00078	J	0.0021	ND		0.010	0.25		0.20	0.025		0.0021	0.0029		0.0010
	6/3/2026	MW-25B	0.00078	J	0.0021	ND		0.010	0.26		0.20	0.080		0.0021	0.0042		0.0010
	6/3/2026	MW-25C	0.0011	J	0.0021	ND		0.010	0.18	J	0.20	0.0025		0.0021	0.0018		0.0010
	6/3/2026	MW-26A	0.0011	J	0.0021	ND		0.010	0.55		0.20	0.46		0.0021	0.0035		0.0010
	6/3/2026	MW-26B	ND		0.0021	ND		0.010	0.61		0.20	0.018		0.0021	0.0071		0.0010
	6/3/2026	Duplicate 5 (MW-26B)	ND		0.0021	ND		0.010	0.61		0.20	0.012		0.0021	0.0059		0.0010
	6/3/2026	MW-26C	ND		0.0021	ND		0.010	2.4		2.0	0.057		0.0021	0.0046		0.0010
	6/2/2026	MW-27C	0.0024		0.0021	ND		0.010	6.5		2.0	0.088		0.0021	0.0047		0.0010
	6/2/2026	MW-27B	ND		0.0021	ND		0.010	5.0		2.0	0.049		0.0021	0.014		0.0010
	6/2/2026	Duplicate 4 (MW-27B)	ND		0.0021	ND		0.010	4.3		2.0	0.11		0.0021	0.018		0.0010
	6/2/2026	MW-27A	0.0025		0.0021	ND		0.010	12		2.0	0.023		0.0021	0.029		0.0010
	6/1/2026	MW-28A	ND		0.0021	ND		0.010	0.32		0.20	0.097		0.0021	0.0013		0.0010
	6/1/2026	Duplicate 3 (MW-28A)	ND		0.0021	ND		0.010	0.31		0.20	0.10		0.0021	0.0016		0.0010
	6/1/2026	MW-28B	ND		0.0021	ND		0.010	ND		0.20	1.3		0.0021	0.0032		0.0010
	6/1/2026	MW-28C	0.0021		0.0021	ND		0.010	0.53		0.20	0.021		0.0021	0.0013		0.0010
	6/4/2026	MW-36	0.0056		0.0021	ND		0.010	0.13	J	0.20	0.10		0.0021	0.051		0.0010
	6/1/2026	MW-51A	ND		0.0021	ND		0.010	0.54		0.20	0.18		0.0021	0.0011		0.0010
	6/1/2026	MW-51B	ND		0.0021	ND		0.010	0.40		0.20	0.0041		0.0021	ND		0.0010
	6/1/2026	MW-52	0.013		0.0021	0.012		0.010	5.1		2.0	0.0031		0.0021	0.00057	J	0.0010
	5/28/2026	MW-57A	0.00093	J	0.0021	ND		0.010	ND		0.20	0.0093		0.0021	0.0011		0.0010
	5/28/2026	MW-57B	ND		0.0021	ND		0.010	0.51		0.20	0.0027		0.0021	0.00076	J	0.0010
	5/28/2026	MW-57C	ND		0.0021	ND		0.010	0.87		0.20	0.0057		0.0021	0.0012		0.0010
	5/28/2026	MW-64	ND		0.0021	ND		0.010	ND		0.20	4.5		0.0021	0.0013		0.0010
	6/2/2026	MW-65	0.10		0.0021	0.15		0.010	8.4		2.0	0.11		0.0021	0.015		0.0010
	5/29/2026	MW-67	ND		0.0021	ND		0.010	0.34		0.20	1.2		0.0021	0.053		0.0010
	5/29/2026	Duplicate # 2 (MW-67)	ND		0.0021	ND		0.010	0.35		0.20	7.9		0.021	0.014		0.0010
	6/4/2026	MW-68	ND		0.0021	ND		0.010	ND		0.20	2.4		0.0021	0.0055		0.0010
	6/4/2026	MW-69	ND		0.0021	ND		0.010	0.17	J	0.20	2.2		0.0021	0.021		0.0010
	6/4/2026	MW-70	ND		0.0021	ND		0.010	0.13	J	0.20	7.4		0.021	0.0099		0.0010
	6/4/2026	MW-71	0.0017	J	0.0021	ND		0.010	0.12	J	0.20	0.097		0.0021	0.0013		0.0010
	6/3/2026	MW-72	0.0012	J	0.0021	ND		0.010	0.21		0.20	3.7		0.0021	0.0052		0.0010
	6/3/2026	MW-73	ND		0.0021	ND		0.010	ND		0.20	1.8		0.0021	0.0020		0.0010
	5/29/2026	MW-74	ND		0.0021	ND		0.010	ND		0.20	4.9		0.0021	0.0029		0.0010
	6/2/2026	MW-75A	ND		0.0021	ND		0.010	0.39		0.20	0.042		0.0021	ND		0.0010
	6/2/2026	MW-75B	ND		0.0021	ND		0.010	0.38		0.20	0.0010	J	0.0021	0.0018		0.0010
	5/28/2026	MW-76	ND		0.0021	ND		0.010	0.10	J	0.20	1.6		0.0021	0.0022		0.0010
	5/28/2026	MW-77	ND		0.0021	ND		0.010	0.12	J	0.20	ND		0.0021	0.0016		0.0010
	5/28/2026	MW-78A	ND		0.0021	ND		0.010	0.12	J	0.20	0.87		0.0021	0.0010		0.0010
	5/28/2026	MW-78B	ND		0.0021	ND		0.010	0.19	J	0.20	0.15		0.0021	0.00075	J	0.0010
	5/28/2026	MW-78C	ND		0.0021	ND		0.010	ND		0.20	0.019		0.0021	0.00071	J	0.0010
	6/1/2026	MW-79A	ND		0.0021	ND		0.010	0.83		0.20	0.13		0.0021	0.00066	J	0.0010
	6/1/2026	MW-79B	ND		0.0021	ND		0.010	3.5		2.0	0.0058		0.0021	0.0022		0.0010
	6/5/2026	MW-85A	0.093		0.0021	0.097		0.010	4.4		2.0	ND		0.0021	0.00047	J	0.0010
	6/5/2026	Duplicate 6 (MW-85A)	0.093		0.0021	0.090		0.010	4.4		2.0	0.0020	J	0.0021	0.00072	J	0.0010
	6/5/2026	MW-85B	0.15		0.0021	0.15		0.010	3.2		2.0	ND		0.0021	0.0022		0.0010
	6/4/2026	SMP-1	0.0026		0.0021	ND		0.010	3.0		1.0	0.044		0.0021	0.0030		0.0010
	6/4/2026	SMP-2R	0.0022		0.0021	ND		0.010	7.5		1.0	0.20		0.0021	0.0088		0.0010
	6/4/2026	SMP-3	0.31		0.0021	0.34		0.10	16		2.0	0.025		0.0021	0.054		0.0010
	6/4/2026	SMP-4	0.68		0.0021	0.76		0.10	17		2.0	0.028		0.0021	0.84		0.0010
	6/4/2026	SMP-5	0.22		0.0021	0.23		0.010	3.4		1.0	ND		0.0021	0.078		0.0010

Notes:
DEP: Pennsylvania Department of Environmental Protection
SHS: Statewide Health Standard
mg/L: milligrams per liter
NS: No standard
RL: Reporting Limit
ND: Indicates analysis was performed for the test but it was not detected. The sample reproting limit is reported.
J: Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value
Indicates laboratory method detection limits exceed the applicable DEP Act 2 Standard.
Indicates concentrations exceed the applicable DEP Act 2 Standard.
Bolded results indicate a detection
DEP Act 2 Standards were converted to mg/L from µg/L due to laboratory reporting all data in mg/L
Table 2c and Appendix Table 2c report the same analytes, and have been included in both locations for consistency.

1. Site COC for Groundwater
2. Site COC for Soil
3. Site COC for Surface Water



Table 3A – Surface Water Analytical Data Summary: Volatile Organic Compounds

Table 3a: Surface Water Analytical Data Summary
Volatile Organic Compounds

Analyte		1,1-Dichloroethane (1,1-DCA)**			1,1,2-Trichloroethane (1,1,2-TCA)**			1,2-Dichloroethane (1,2-DCA)**			1,2,4-Trichlorobenzene			Benzene**			Bromomethane (methyl bromide)**			Carbon tetrachloride**			Chloromethane (Methyl Chloride)**		
CAS #		75-34-3			79-00-5			107-06-2			120-82-1			71-43-2			74-83-9			56-23-5			74-87-3		
Units		(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)		
DEP Chapter 93, Table 5: Surface Water Quality - Fish and Aquatic Life Criteria, Continuous Concentrations		NS			680			3,100			26			130			110			560			5,500		
DEP Chapter 93, Table 5: Surface Water Quality - Fish and Aquatic Life Criteria, Maximum Concentrations		NS			3,400			15,000			130			640			550			2,800			28,000		
DEP Chapter 93, Table 5: Surface Water Quality - Human Health Criteria		NS			0.55			9.9			0.07			0.58			100			0.4			NS		
DEP Groundwater SHS for a Used, Residential Aquifer		31			5			5			70			5			10			5			30		
EPA Region III Freshwater Screening Benchmarks		47			NA			NA			NA			NA			NA			NA			NA		
Sample Date	Sample ID	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL
6/8/2026	SW-1	ND		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0
6/8/2026	SW-3	ND		1.0	ND		1.0	ND		1.0	0.54	J	5.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0
6/8/2026	SW-4	ND		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0
6/8/2026	SW-5	ND		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0
6/8/2026	Duplicate SW (SW-5)	ND		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0
6/8/2026	SW-6	0.48	J	1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0
6/8/2026	SW-7	ND		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0
6/8/2026	SW-8	ND		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0
6/8/2026	SW-9	ND		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0
6/8/2026	SW-10	ND		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0
6/8/2026	Field Blank SW	ND		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0
6/4/2026	TB060826	ND		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0

Notes:
1. EPA Region III Freshwater Screening Benchmarks are only presented for select compounds where applicable DEP surface water criteria are not available for comparison.
DEP: Pennsylvania Department of Environmental Protection
SHS: Statewide Health Standard
µg/L: micrograms per liter
NA: Not applicable
NS: No standard
RL: Reporting Limit
ND: Indicates analysis was performed for the test but it was not detected. The sample reporting limit is reported.
J: Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value
*Site COC for Surface Water
**Site COC for Groundwater
Applicable DEP Surface Water Standard
Relevant EPA Surface Water Standard
Indicates laboratory reporting limits exceed the applicable DEP Standard.
Indicates concentrations exceed the applicable DEP Standard.
Bolded results indicates a concentration was detected

Table 3a: Surface Water Analytical Data Summary
Volatile Organic Compounds

Analyte		cis-1,2-Dichloroethene (cis-1,2-Dichloroethylene, cis-1,2-DCE)*			Methyl tertiary butyl ether (MTBE)**			Methylene Chloride (Dichloromethane)**			Tetrachloroethene (Tetrachloroethylene, PCE)**			trans-1,2-Dichloroethene (trans-1,2-Dichloroethylene, trans-1,2-DCE)**			Trichloroethene (Trichloroethylene, TCE)*			Vinyl chloride (VC)**		
CAS #		156-59-2			1634-04-4			75-09-2			127-18-4			156-60-5			79-01-6			75-01-4		
Units		(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)		
DEP Chapter 93, Table 5: Surface Water Quality - Fish and Aquatic Life Criteria, Continuous Concentrations		NS			NS			2,400			140			1,400			450			NS		
DEP Chapter 93, Table 5: Surface Water Quality - Fish and Aquatic Life Criteria, Maximum Concentrations		NS			NS			12,000			700			6,800			2,300			NS		
DEP Chapter 93, Table 5: Surface Water Quality - Human Health Criteria		12			NS			20			10			100			0.6			0.02		
DEP Groundwater SHS for a Used, Residential Aquifer		70			20			5			5			100			5			2		
EPA Region III Freshwater Screening Benchmarks		NA			11,070			NA			NA			NA			NA			NA		
Sample Date	Sample ID	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL
6/8/2026	SW-1	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0	ND		1.0
6/8/2026	SW-3	8.7		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	6.4		1.0	ND		1.0
6/8/2026	SW-4	6.4		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	4.1		1.0	ND		1.0
6/8/2026	SW-5	4.2		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	2.9		1.0	ND		1.0
6/8/2026	Duplicate SW (SW-5)	3.9		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	2.8		1.0	ND		1.0
6/8/2026	SW-6	5.2		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	2.7		1.0	ND		1.0
6/8/2026	SW-7	4.4		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	1.9		1.0	ND		1.0
6/8/2026	SW-8	2.6		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	1.1		1.0	ND		1.0
6/8/2026	SW-9	1.5		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	0.59	J	1.0	ND		1.0
6/8/2026	SW-10	0.45	J	1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0	ND		1.0
6/8/2026	Field Blank SW	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0	ND		1.0
6/4/2026	TB060826	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0	ND		1.0

Notes:
1. EPA Region III Freshwater Screening Benchmarks are only presented for select compounds where applicable DEP surface water criteria are not available for comparison.
DEP: Pennsylvania Department of Environmental Protection
SHS: Statewide Health Standard
µg/L: micrograms per liter
NA: Not applicable
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*Site COC for Surface Water
**Site COC for Groundwater
Applicable DEP Surface Water Standard
Relevant EPA Surface Water Standard
Indicates laboratory reporting limits exceed the applicable DEP Standard.
Indicates concentrations exceed the applicable DEP Standard.
Bolded results indicates a concentration was detected



Table 3B – Surface Water Analytical Data Summary: Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS)

Table 3b: Surface Water Analytical Data Summary
Per- and Polyfluoroalkyl Compounds With Relevant Surface Water Criteria

	Analyte	3-Perfluoroheptylpropanoic acid (7:3 FTCA)	Perfluorobutanesulfonic acid (PFBS)	Perfluorobutanoic acid (PFBA)	Perfluorodecanoic acid (PFDA)	Perfluorohexanesulfonic acid (PFHxS)	Perfluorohexanoic acid (PFHxA)	Perfluorononanoic acid (PFNA)	Perfluorooctanesulfonic acid (PFOS)	Perfluorooctanoic acid (PFOA)																			
	CAS #	812-70-4	375-73-5	375-22-4	335-76-2	355-46-4	307-24-4	375-95-1	1763-23-1	335-67-1																			
	Units	(ng/L)	(ng/L)	(ng/L)	(ng/L)	(ng/L)	(ng/L)	(ng/L)	(ng/L)	(ng/L)																			
	National Recommended Freshwater Aquatic Life Water Quality Criteria - Acute Water Column (Criterion Maximum Concentration)	NS	NS	NS	NS	NS	NS	NS	71,000	3,100,000																			
	National Recommended Freshwater Aquatic Life Water Quality Criteria - Chronic Water Column (Criterion Continuous Concentration)	NS	NS	NS	NS	NS	NS	NS	250	100,000																			
	Acute Freshwater Aquatic Life Benchmarks (Maximum Concentration)	12,000	5,000,000	5,300,000	500,000	210,000	4,800,000	650,000	NS	NS																			
	National Recommended Ambient Water Quality Criteria for the Protection of Human Health - Water + Organism HHC*	NS	400	NS	NS	NS	NS	NS	0.06	0.0009																			
	National Recommended Ambient Water Quality Criteria for the Protection of Human Health - Organism Only HHC*	NS	500	NS	NS	NS	NS	NS	0.07	0.00036																			
	DEP Groundwater SHS for a Used, Residential Aquifer	NS	2000	35000	NS	10	17000	10	4	4																			
	Sample Date	Sample ID	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL
	6/8/2026	SW-1	ND	B	7.3	4.7		1.5	4.0		2.9	0.45	J	1.5	2.7		1.5	5.4		1.5	2.0		1.5	7.2		1.5	9.3		1.5
	6/8/2026	SW-3	ND	B	8.4	3.4		1.7	12		3.4	ND		1.7	2.1		1.7	23		1.7	4.2		1.7	4.5		1.7	17		1.7
	6/8/2026	SW-4	ND	B	7.1	3.2		1.4	12		2.9	ND		1.4	2.1		1.4	21		1.4	4.4		1.4	4.7		1.4	17		1.4
	6/8/2026	SW-5	ND	B	7.2	3.2		1.4	13		2.9	ND		1.4	2.2		1.4	20		1.4	4.5		1.4	4.6		1.4	16		1.4
	6/8/2026	Duplicate SW (SW-5)	ND	B	7.2	3.1		1.4	13		2.9	ND		1.4	2.1		1.4	22		1.4	4.2		1.4	4.3		1.4	16		1.4
	6/8/2026	SW-6	ND	B	7.7	3.4		1.5	13		3.1	ND		1.5	2.3		1.5	20		1.5	3.7		1.5	4.7		1.5	16		1.5
	6/8/2026	SW-7	ND	B	8.4	3.3		1.7	13		3.4	ND		1.7	2.2		1.7	22		1.7	4.0		1.7	4.1		1.7	15		1.7
	6/8/2026	SW-8	ND	B	7.2	3.4		1.4	14		2.9	ND		1.4	2.3		1.4	22		1.4	4.0		1.4	4.1		1.4	15		1.4
	6/8/2026	SW-9	ND	B	7.1	3.3		1.4	13		2.9	ND		1.4	2.2		1.4	23		1.4	4.5		1.4	5.1		1.4	15		1.4
	6/8/2026	SW-10	ND	B	7.4	3.6		1.5	13		3.0	ND		1.5	2.1		1.5	20		1.5	3.9		1.5	5.2		1.5	14		1.5
	6/8/2026	Field Blank SW	ND	B	8.0	ND		1.6	ND		3.2	ND		1.6	ND		1.6	ND		1.6	ND		1.6	ND		1.6	ND		1.6

Notes:
*Criteria have not been adopted
DEP: Pennsylvania Department of Environmental Protection
SHS: Statewide Health Standard
ng/L: nanograms per liter
NS: No standard
RL: Reporting Limit
ND: Indicates analysis was performed for the test but it was not detected. The sample reporting limit is reported.
B: Analyte was found in blank.
J: Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value
Relevant Surface Water Criteria
Indicates laboratory reporting limits exceed the relevant surface water criteria.
Indicates concentrations exceed the relevant surface water criteria.
Bolded results indicates a concentration was detected



Table 3C – Surface Water Analytical Data Summary: Inorganics

Table 3c: Surface Water Analytical Data Summary
Inorganics

Analyte		Total Chromium (Dissolved) ¹			Chromium VI (Dissolved) ¹			Fluoride (Dissolved) ¹			Nickel (Dissolved) ¹		
CAS #		7440-47-3			18540-29-9			16984-48-8			7440-02-0		
Units		(mg/L)			(mg/L)			(mg/L)			(mg/L)		
DEP Chapter 93, Table 5: Surface Water Quality - Fish and Aquatic Life Criteria, Continuous Concentrations		NS			0.011			NS			0.047*		
DEP Chapter 93, Table 5: Surface Water Quality - Fish and Aquatic Life Criteria, Maximum Concentrations		NS			0.016			NS			0.420*		
DEP Chapter 93, Table 5: Surface Water Quality - Human Health Criteria		NS			NS			NS			0.61		
DEP Chapter 93, Table 3: Specific Surface Water Quality Criteria		NS			NS			2.0 ^a			NS		
DEP Groundwater SHS for a Used, Residential Aquifer		0.1			NS			4			0.1		
Sample Date	Sample ID	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL
6/8/2026	SW-1	ND		0.0021	ND		0.010	ND		0.20	0.00063	J	0.0010
6/8/2026	SW-3	0.036		0.0021	0.033		0.010	1.8		0.20	0.026		0.0010
6/8/2026	SW-4	0.034		0.0021	0.033		0.010	1.8		0.20	0.022		0.0010
6/8/2026	SW-5	0.033		0.0021	0.030		0.010	1.8		0.20	0.017		0.0010
6/8/2026	Duplicate SW (SW-5)	0.033		0.0021	0.031		0.010	1.8		0.20	0.017		0.0010
6/8/2026	SW-6	0.031		0.0021	0.028		0.010	1.8		0.20	0.012		0.0010
6/8/2026	SW-7	0.031		0.0021	0.028		0.010	1.8		0.20	0.012		0.0010
6/8/2026	SW-8	0.032		0.0021	0.029		0.010	1.8		0.20	0.011		0.0010
6/8/2026	SW-9	0.030		0.0021	0.028		0.010	1.8		0.20	0.0097		0.0010
6/8/2026	SW-10	0.026		0.0021	0.023		0.010	1.7		0.20	0.0069		0.0010
6/8/2026	Field Blank SW	ND		0.0021	ND		0.010	ND		0.20	ND		0.0010

Notes:

a: Daily average

DEP: Pennsylvania Department of Environmental Protection

SHS: Statewide Health Standard

mg/L: milligrams per liter

NS: No standard

RL: Reporting Limit

ND: Indicates analysis was performed for the test but it was not detected. The sample reporting limit is reported.

J: Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value

* Calculated DEP Standard based on the 95% UCL of hardness

¹ Site COC for Surface Water

Applicable DEP Surface Water Standard

Indicates laboratory reporting limits exceed the applicable DEP Standard.

Indicates concentrations exceed the applicable DEP Standard.

Bolded results indicates a concentration was detected



Appendix A – Monitoring Well Lithology and Construction Log



BORING LOG

BOREHOLE NO. **MW-85**

Page 1 of 6

Groundwater and Environmental Services, Inc.

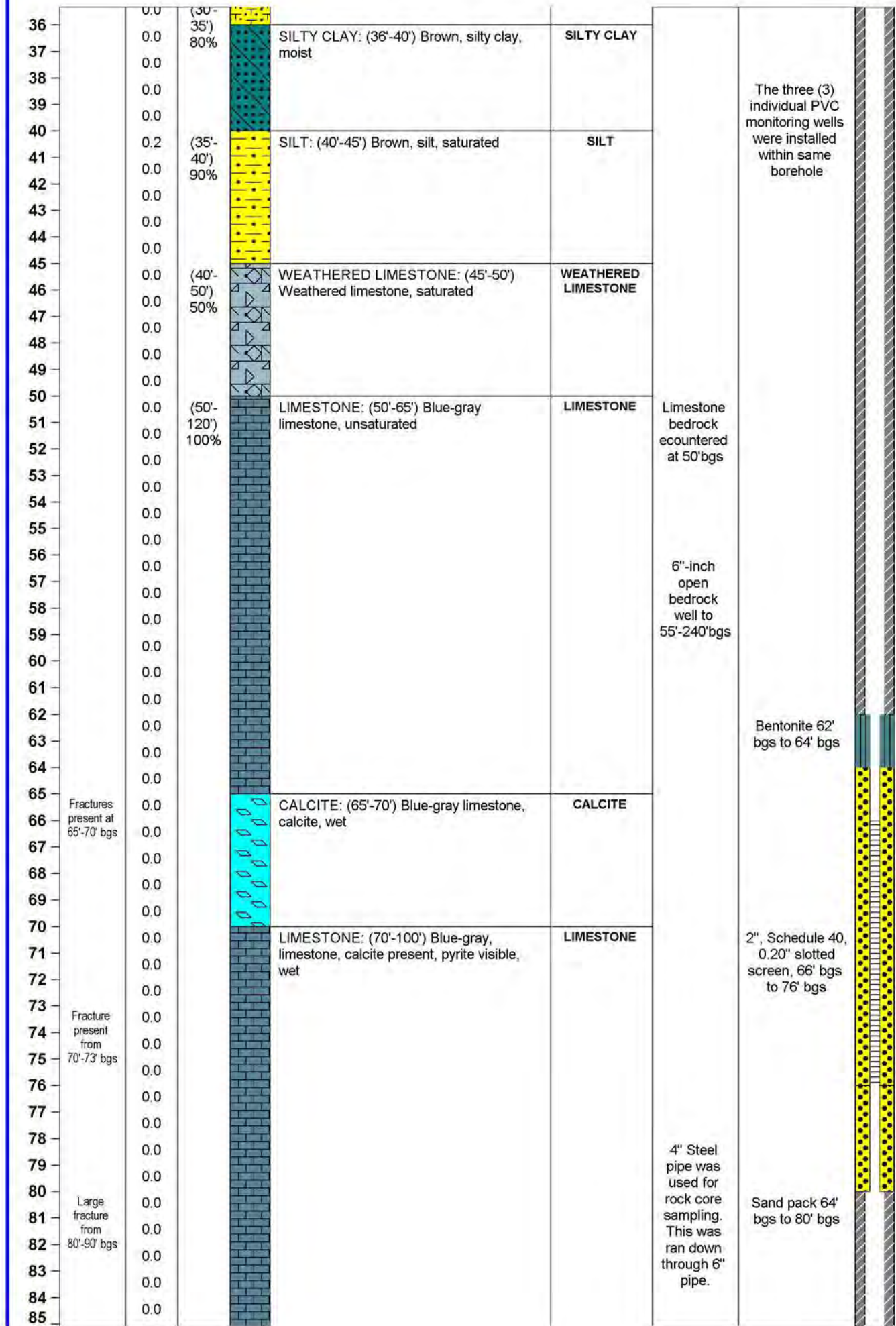
PROJECT: **GTAC Bishop Tube HSCA Site**
ADDRESS: **East Whiteland Township, Malvern PA**

TOTAL DEPTH: **240 feet**
BOREHOLE DIA.: **8-inch to 6-inch**

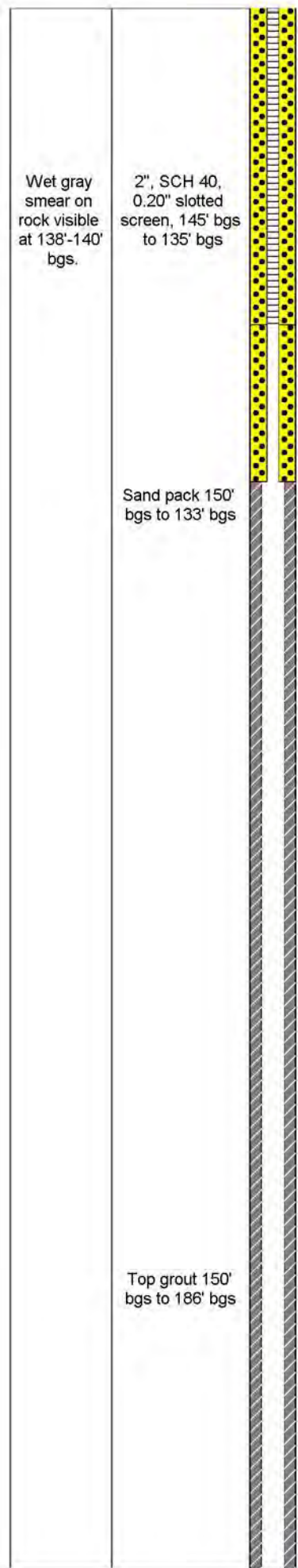
Logged By: **Derek Yoder, Ariana Miranda**
Dates Drilled: **3/11-13/26, 3/16-18/26, 4/20-22/26**
Drilling Company: **Cascade Drilling**
Drill Rig Type: **Boart Longyear LS 450 TM**

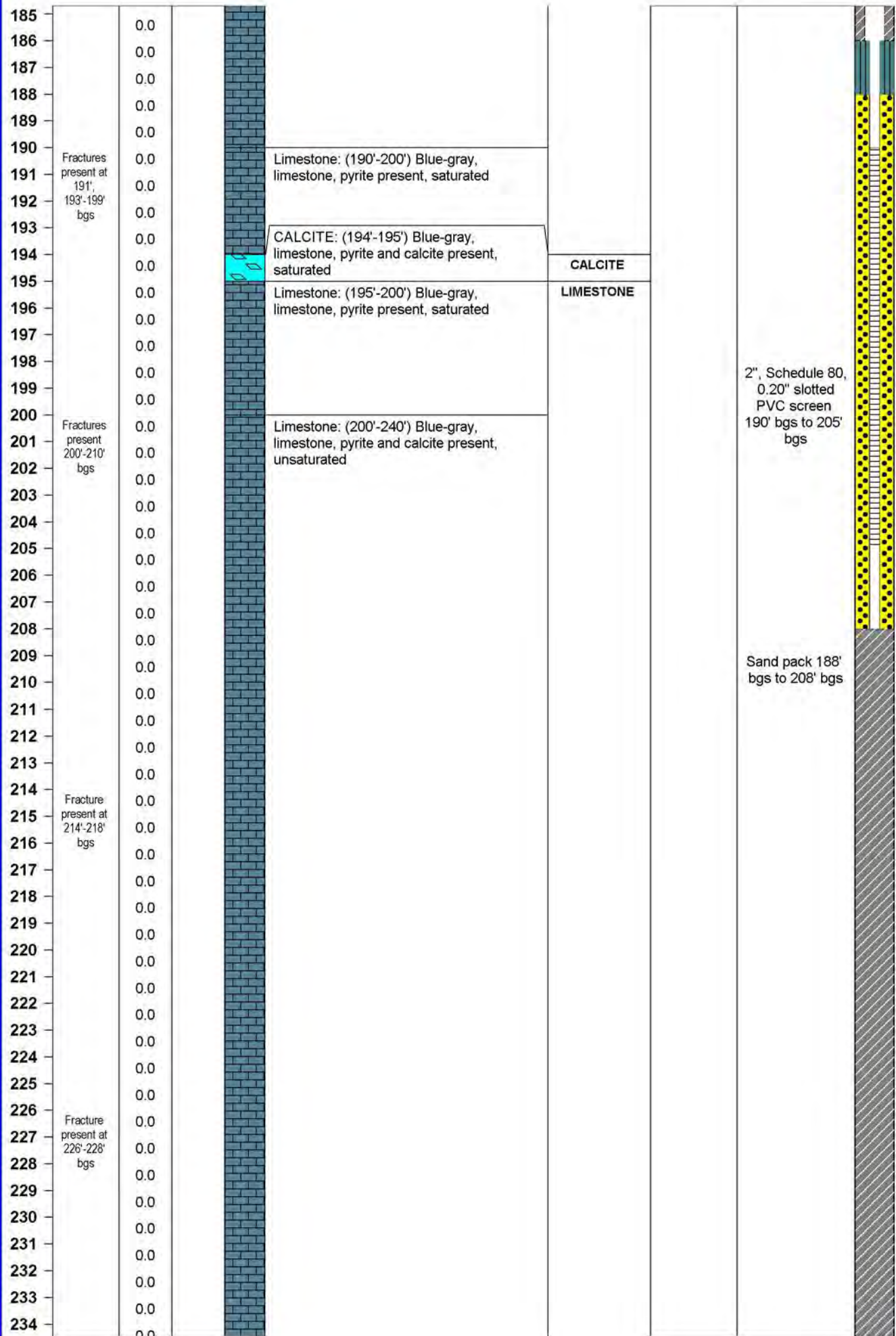
Drilling Method: **Sonic**
Sampling Method: **Soil/Rock Cuttings**
Soil Class. System: **Unified Soil Classification System (USCS)**
Field Screening: **Photoionization Detector (PID) 11.7 eV Lamp (ppm)**

Depth (feet)	Fracture Interval	Field Screen (ppm)	Recovery	SAMPLE LITHOLOGY (USCS)	Stratigraphy	Comments	COMPLETION DETAILS
0							
1				TOPSOIL: (0'-0.6") Top soil, wet	TOPSOIL		
2		0.0	100%	FILL: (0.6"-10') Brown, clayey silty, mixed with cobble stone, fill present, saturated	FILL	Hand cleared using hand auger too 5' bgs	(3) Three foot stick-up placed
3		0.0					
4		0.0					
5		0.0					
6		0.0					
7		0.0					
8		0.0					
9		0.0					
10		0.0				Comments column shows advancement of borehole before well completion.	
11		0.0		SILTY CLAY: (10'-16') Brown, silty clay, mixed with cobble stone, saturated	SILTY CLAY		2", schedule 80 PVC riser 0' bgs to 190' bgs
12		0.0	100%				
13		0.0					
14		0.0					
15		0.0					
16		0.0		SILTY CLAY: (16'-20') Brown, silty clay, weathered rock visible, moist			
17		0.0	70%				
18		0.0					
19		0.0					2", schedule 40 PVC riser, 0' bgs to 135' bgs
20		0.0					
21		0.0		NO RECOVERY: (20'-30') No recovery	NO RECOVERY	Water level at 12.11' bgs	
22		0.0	100%				
23		0.0					
24		0.0					
25		0.0					
26		0.0					2", schedule 40 PVC riser, 0' bgs to 66' bgs
27		0.0					
28		0.0					
29		0.0					
30		0.0					
31		0.0		SILTY SAND: (30'-36') Brown, silty sand, saturated	SILTY SAND	Temporary 8" Steel casing installed (5) five feet into bedrock at 55' bgs	Top Grout 0' bgs to 62' bgs
32		0.0	0%				
33		0.0					
34		0.0					
35		0.0					



135	present at 134' bgs	0.0	(130'-135') 100%	LIMESTONE: (135'-138') Blue-gray, limestone, unsaturated
136		0.0		
137		0.0		
138		0.0		LIMESTONE: (138'-140') Blue-gray, limestone, calcite present
139	Fracture present at 138.5' bgs	0.0		
140		0.0	(135'-140') 90%	LIMESTONE: (140'-145') Blue-gray limestone, pyrite and calcite present, saturated
141		0.0		
142	Fracture present at 140'-145' bgs	0.0		
143		0.0		
144		0.0		
145		0.0		LIMESTONE: (145'-150') Blue-gray, Limestone, pyrite visible, saturated
146	Fracture present at 146'-147' bgs	0.0		
147		0.0		
148		0.0		
149		0.0		
150	Fracture present at 150'-151' bgs	0.0	(140'-240') 100%	LIMESTONE: (150'-175') Blue-gray, limestone, pyrite present, unsaturated
151		0.0		
152		0.0		
153		0.0		
154		0.0		
155		0.0		
156		0.0		
157		0.0		
158	Fracture present at 157'-158' bgs	0.0		
159		0.0		
160		0.0		
161		0.0		
162		0.0		
163		0.0		
164		0.0		
165		0.0		
166		0.0		
167	Fracture present at 166' bgs	0.0		
168		0.0		
169		0.0		
170		0.0		
171		0.0		
172		0.0		
173		0.0		
174		0.0		
175		0.0		LIMESTONE: (175'-190') Blue-gray, limestone, pyrite present and calcite present, saturated
176		0.0		
177		0.0		
178		0.0		
179		0.0		
180	Fractures present at 175'-190' bgs	0.0		
181		0.0		
182		0.0		
183		0.0		
184		0.0		





235		0.0							
236		0.0							
237		0.0							
238		0.0							
239		0.0							
240		0.0							

General Comments:

bgs - below ground surface

ppm - parts per million

4-inch steel pipe used for rock core samples

Symbol Key:

Soil Sample Location





Appendix B – Downhole Geophysical Report

AGS Lead Number	12709
Company	GES
Report Created	03 / 27 / 2026
Geophysicist	Corey Miller, M.S., P.G.
Email	corey@advancedgeo.com
Date Completed	20 March 2026
Project Name	GES Bishop Tube HSCA Site – GTAC 8-1-472 East Whiteland Township, PA Borehole
Project Address	1 S Malin Rd, Malvern, PA 19355
Enclosed	Annotated & Interpreted Geophysical Logs (PDF)

Project Objectives

The primary objectives of this investigation were to characterize the depth and three-dimensional orientation of planar bedrock features (e.g., fractures and joints), to identify potential water-bearing zones, and to assess the lithologic and other physical properties of the formations intersected by the well. The borehole geophysical data will meet these objectives by delineating the depth and vertical extent of individual fractures and fracture zones, defining their dip and azimuth, and clarifying their relationships to the local geologic setting and physical properties of respective formations.

Borehole Geophysical Methods

To meet the objectives of this investigation, Advanced Geophysical Services (AGS) deployed five instruments: (1) a three-arm caliper, which provides a continuous log of borehole diameter; (2) a combined fluid resistivity (FRES), fluid temperature (Temp), and gamma ray (Gamma) tool, which characterizes potential groundwater flow and lithologic properties within the well; (3) an optical televiewer (OTV), which generates a detailed 360-degree visual image of the borehole wall, enabling analysis of fractures, joints, bedding planes, and formation color variations; (4) an acoustic televiewer (ATV), which produces a high-resolution 360-degree relative acoustic amplitude image of the borehole wall for structural interpretation of fractures, joints, and bedding planes; and (5) a heat-pulse flowmeter (HPFM), which measures potential vertical flow conditions within the well and is commonly used to identify water-producing and water-receiving zones.

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Instrument & Log Descriptions

Caliper Log

The caliper log records the relative changes in borehole diameter as the tool is raised through the well (typically beginning at its deepest point). Variations in borehole size can indicate the presence of fractures, changes in lithology, or the overall condition of the borehole walls. Fractured zones often consist of openings in weathered or semi-consolidated rock, which may become loosened or partially collapse during drilling. As a result, these zones typically manifest as increases in borehole diameter on the caliper log.

Fluid Resistivity Logs

The fluid resistivity log provides continuous measurements of the electrical resistivity of the borehole water column as the tool is run through the well. Because the measurement has minimal depth of penetration, formation influences are negligible. Variations in fluid resistivity are useful for identifying zones of vertical flow, as well as intervals where the well is gaining or losing water. When water enters the borehole through a fracture, its resistivity may differ from that of the existing borehole fluid, producing a distinct change in the fluid-resistivity profile.

Temperature Log

The temperature log records variations in water (and air) temperature with depth within the well, measuring the ambient temperature at intervals of 0.1 feet. Temperature anomalies can indicate the presence of formation fluids entering the well through fractures or porous media. In particular, changes in the slope of the temperature profile may signify zones where formation water is flowing into the borehole.

Gamma Ray Log

The natural gamma ray (NGR) probe is a passive instrument that measures the intensity of naturally occurring gamma radiation emitted from rock and sediment as the tool is lowered through the borehole typically recorded in counts per second (cps). The primary purpose of the gamma ray log is to provide lithologic characterization within the well. Potassium, present in feldspars and micas (approximately 0.012% potassium-40), is a key contributor to gamma radiation and commonly weathers to form clay minerals. Clays further concentrate naturally occurring radioactive elements through ion exchange and adsorption, resulting in elevated gamma ray counts. Shales, with their high clay content, similarly produce strong gamma responses. In contrast, rocks such as limestones and sandstones, which contain low levels of radioactive elements, exhibit correspondingly low gamma ray counts.

Optical Televiewer Log

AGS employed an Optical Televiewer (OTV) probe, which captures a continuous 360-degree optical image of the borehole wall. The resulting imagery is typically displayed in an unwrapped format, providing a complete view of the internal borehole surface. Planar fractures intersecting the borehole manifest as sinusoidal features on the unwrapped image; these sinusoids can be modeled to accurately determine the fracture's azimuth and dip. The OTV log offers high-resolution fracture characterization and a detailed depiction of formation features. Additionally, the optical imagery preserves formation color, aiding in the identification of rock type, lithologic characteristics, and overall borehole conditions. All OTV data are referenced to magnetic north.

Acoustic Televiewer Log

The acoustic televiewer (ATV) log produces an oriented, high-resolution image of the borehole wall using high-frequency acoustic pulses. The resulting dataset is presented in both amplitude and travel-time formats, enabling detailed characterization of features such as fractures, lithologic contacts, and voids. The ATV acquires 256 radial measurements at intervals of 0.02 feet along the borehole, generating a fully digitized and orientation-corrected image that accounts for borehole deviation and tool rotation. This processing allows for accurate determination of fracture dip and azimuth, as well as the orientation of other structural features.

Heat Pulse Flowmeter Log

The heat-pulse flowmeter measures vertical flow rates within a borehole, allowing identification of contributing fracture zones under both natural and pumping conditions. The tool operates by heating a wire grid situated between two thermistors; the heated water is displaced toward one of the thermistors in response to the vertical component of flow within the well. Positive and negative values on the log correspond to upward and downward flow, respectively. Flow rates are calibrated in gallons per minute (GPM), and the heat-pulse flowmeter used in this investigation is capable of detecting vertical flow rates ranging from 0.03 to 1.0 GPM.

In formations with strong interconnectivity between bedding planes or fractures, minimal or no head differences and little to no flow between fractures would be expected. Conversely, in confined rock aquifers, upward or downward flow may occur within the well between discrete confined fractures. Under pumping conditions, heat-pulse flowmeter (HPFM) logs can provide valuable information on the relative interconnectivity of bedding planes and fracture zones. All instrument responses were integrated and cross-correlated for the final interpretation. The collection of numerous physical measurements within the wells significantly enhanced the confidence in the interpretations and minimized potential ambiguities that could arise from relying on a limited dataset.

Logging Procedures

The downhole logging procedures at the site followed standard industry protocols. The instrument was first attached to the cable head of a 4-conductor wireline, and the “zero” depth was set at the designated reference point (ground surface or top of casing). Logging was initiated, and the probe was lowered through the well at a rate of approximately 3 to 12 feet per minute until reaching total depth, at which point recording was stopped. Up-log measurements were then collected to verify the accuracy and reproducibility of the geophysical responses, ensuring close agreement in depth with the down-log. Because of its mechanical design, the caliper instrument was only capable of collecting up-log data.

Well Construction

The well construction data for each well is presented in Table 1 below. AGS used ground level as the reference point for all logs. The well was constructed of 6” inner diameter (ID) steel casing.

Well Parameter	MW-18
Casing Size	6" ID
Cased Depth	55.3'
Water Level	5.25'
Total Depth	239.4'
Stickup	5.5"

Geologic Setting

MW-18 at the Bishop Tube site is located nearby a contact between the Conestoga Fm. and the Octoraro Fm. The Conestoga Fm. is comprised primarily of thinly bedded blue limestone, primarily gray to blue, interbedded with thin graphitic slate. The Octoraro Fm. is part of the larger Wissahickon Fm. In this case, the Octoraro is comprised of Wissahickon mica schist, younger in age than Wissahickon gneiss. Cores from MW-18 left at the Bishop Tube site were limestone, characterized to match descriptions of the Conestoga Fm., and were found to contain well-formed pyrite inclusions throughout.

Results Summary

The geophysical well logs collected in MW-18 are presented at the conclusion of this report, with all depths referenced to ground level. The data have been organized into six tracks on the figures: Track 1 displays caliper logs; Track 2 shows depth; Track 3 presents the temperature, fluid resistivity, and HPFM data; Track 4 contains the acoustic televiewer (ATV) image; Track 5 is a tadpole plot; Track 6 displays the optical televiewer (OTV) image, and Track 7 depicts the acoustic logs. Four plots are included with this report: (1) a 20-foot scale plot highlighting detailed features observed in the OTV and ATV images; (2) a 100-foot scale plot emphasizing larger-scale features evident in the gamma ray, temperature, and fluid resistivity logs; and (3) a Wulff polar projection plot illustrating the dip and azimuth of structural features such as major open fractures/joints, minor open fractures/joints, bedding/banding/foliation, and filled fractures/joints.

The results are presented in three formats: (a) a table listing depth, azimuth, dip, and feature type (e.g., fracture or bedding plane) for fractures dipping less than 80 degrees; (b) a table showing depth range, azimuth, and type for near-vertical fractures; and (c) a bulleted text summary highlighting the most significant features and notable aspects of the data.

The data from MW-18 indicated the numerous and notable borehole features and measured physical characteristics as described below:

- The most prominent feature observed in MW-18 was a large, sub-vertical fracture located at 59' to 64', along with a west-dipping horizontal fracture located at 65'. These features corresponded with a small change in fluid resistivity, fluid conductivity, and temperature.
- MW-18 exhibited positive but very low flow conditions throughout the profile. All HPFM measurements were below the lower threshold of the probe.
- Overall, MW-18 showed sparse fracturing. Where fractures were present, most were in-filled, and were not expressed in the acoustic televiewer data. MW-18 appears to be highly competent.

Monitoring Well MW-18

The following data table provides a list of important borehole features that were detected in well MW-18. The information listed in the tables reflects the log data presented on the geophysical logs (attached PDFs).



ADVANCED GEOPHYSICAL SERVICES

Depth (Feet)	Azimuth (Deg)	Dip (Deg)	Borehole Feature
64.96	248.03	74.14	Minor Open Joint/Fracture
74.06	353.62	80.28	Minor Open Joint/Fracture
75.72	178.58	63.89	Partially Open Joint/Fracture
75.98	338.74	79.11	Partially Open Joint/Fracture
79.57	345.12	79.66	Partially Open Joint/Fracture
80.85	341.57	81.73	Partially Open Joint/Fracture
92.02	164.41	76.73	Filled Fracture/Joint
93.74	175.04	81.59	Bedding/Banding/Foliation
97.65	166.54	81.38	Bedding/Banding/Foliation
100.42	164.41	82.73	Bedding/Banding/Foliation
102	171.5	82.54	Partially Open Joint/Fracture
104.58	312.52	76.97	Filled Fracture/Joint
105.16	170.08	82.62	Bedding/Banding/Foliation
107.38	165.12	83.46	Bedding/Banding/Foliation
110.61	166.54	81.73	Bedding/Banding/Foliation
114.69	170.08	82.58	Bedding/Banding/Foliation
120.17	183.54	79.03	Bedding/Banding/Foliation
121.61	180	80.6	Bedding/Banding/Foliation
124.6	170.08	81.38	Bedding/Banding/Foliation
126.28	177.17	81.63	Partially Open Joint/Fracture
129.28	172.91	81.01	Bedding/Banding/Foliation

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ADVANCED GEOPHYSICAL SERVICES

Depth (Feet)	Azimuth (Deg)	Dip (Deg)	Borehole Feature
131.78	280.63	77.63	Filled Fracture/Joint
131.84	175.04	81.59	Bedding/Banding/Foliation
133.89	175.75	82.05	Bedding/Banding/Foliation
134.85	272.13	70.85	Filled Fracture/Joint
135.85	170.08	84.03	Bedding/Banding/Foliation
137.76	160.87	84.1	Partially Open Joint/Fracture
142.6	168.66	85.11	Bedding/Banding/Foliation
145.3	167.95	84.31	Partially Open Joint/Fracture
147.56	171.5	83.98	Bedding/Banding/Foliation
148.6	304.02	84.86	Partially Open Joint/Fracture
150.47	167.95	84.31	Bedding/Banding/Foliation
153.16	167.95	84.73	Bedding/Banding/Foliation
155.47	166.54	84.22	Bedding/Banding/Foliation
157.84	282.76	75.26	Filled Fracture/Joint
159.09	166.54	84.03	Bedding/Banding/Foliation
161.1	293.39	78.42	Filled Fracture/Joint
162.14	168.66	83.4	Bedding/Banding/Foliation
162.96	300.47	76.97	Filled Fracture/Joint
163.75	302.6	74.31	Filled Fracture/Joint
164.69	165.12	83.82	Partially Open Joint/Fracture
164.99	296.93	66.32	Filled Fracture/Joint

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ADVANCED GEOPHYSICAL SERVICES

Depth (Feet)	Azimuth (Deg)	Dip (Deg)	Borehole Feature
166.19	296.93	77.94	Filled Fracture/Joint
167.28	161.57	83.6	Bedding/Banding/Foliation
167.38	154.49	43.83	Filled Fracture/Joint
169.51	98.5	64.32	Filled Fracture/Joint
170.11	166.54	82.77	Bedding/Banding/Foliation
172.62	166.54	83.6	Bedding/Banding/Foliation
173.93	296.93	80.02	Filled Fracture/Joint
176.02	164.41	83.66	Bedding/Banding/Foliation
179.75	167.95	82.98	Bedding/Banding/Foliation
183.18	165.12	82.58	Bedding/Banding/Foliation
185.07	164.41	82.58	Bedding/Banding/Foliation
187.83	167.95	81.82	Partially Open Joint/Fracture
191.31	164.41	81.73	Bedding/Banding/Foliation
193.84	165.12	82.26	Bedding/Banding/Foliation
197.31	165.12	81.82	Bedding/Banding/Foliation
199.78	167.95	82.09	Bedding/Banding/Foliation
201.46	169.37	82.05	Partially Open Joint/Fracture
205.58	163.7	83.46	Bedding/Banding/Foliation
207.47	274.96	75.69	Filled Fracture/Joint
207.87	170.08	82.18	Bedding/Banding/Foliation
210.81	163.7	82.77	Bedding/Banding/Foliation

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ADVANCED GEOPHYSICAL SERVICES

Depth (Feet)	Azimuth (Deg)	Dip (Deg)	Borehole Feature
211.36	269.29	78.69	Filled Fracture/Joint
213.81	168.66	82.14	Bedding/Banding/Foliation
216.42	168.66	82.5	Bedding/Banding/Foliation
219.12	168.66	81.73	Bedding/Banding/Foliation
221.85	162.99	82.54	Bedding/Banding/Foliation
224.28	161.57	83.52	Bedding/Banding/Foliation
227.96	171.5	83.85	Bedding/Banding/Foliation
231.75	166.54	81.87	Bedding/Banding/Foliation
234.46	171.5	82.26	Bedding/Banding/Foliation
236.77	170.08	83.66	Bedding/Banding/Foliation

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Data Quality

The quality of the geophysical logs was excellent, with consistent and repeatable responses observed during quality control test runs. The data collection and interpretation methods employed in this investigation are consistent with standard practices for similar geophysical studies. Correlations between geophysical responses and probable subsurface features are informed by results from comparable surveys; however, some site-specific variations may exist.

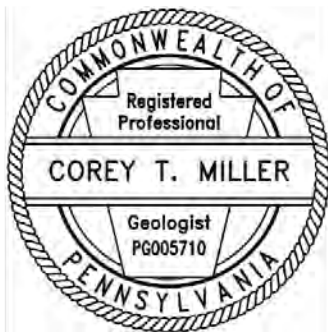
Closing

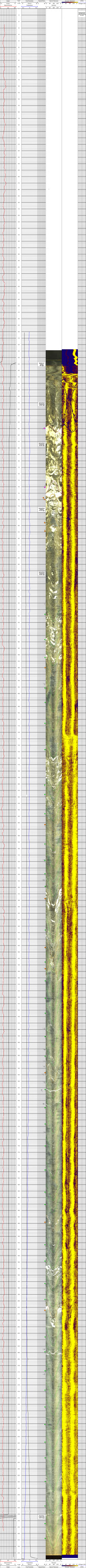
Thank you for the opportunity to assist with this project. We look forward to working with you on future geophysical investigations.

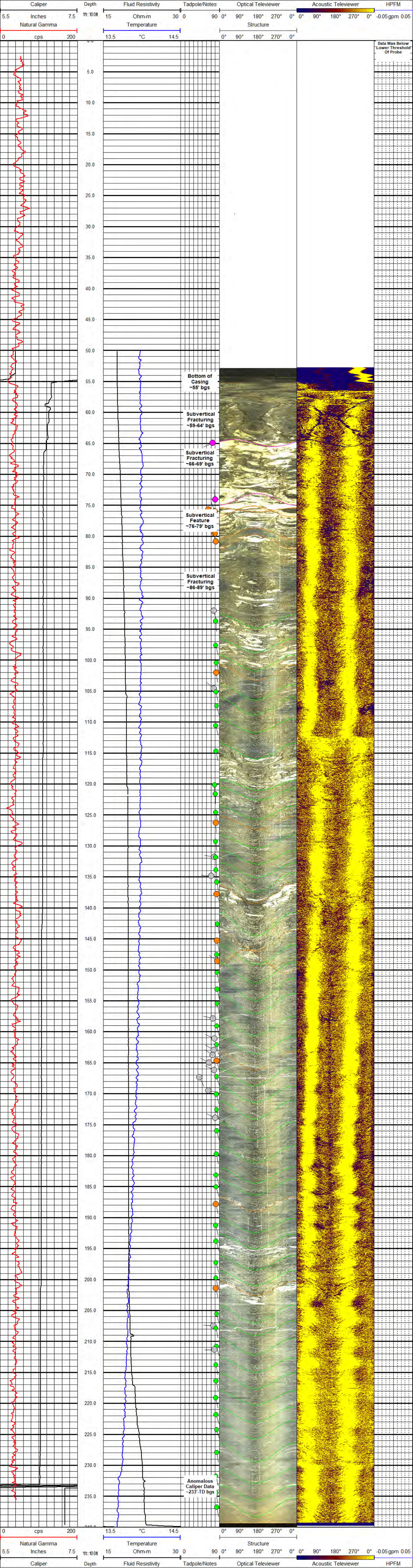
Sincerely,

Corey Miller, M.S., PG | Senior Geophysicist
corey@advancedgeo.com
215-206-3134

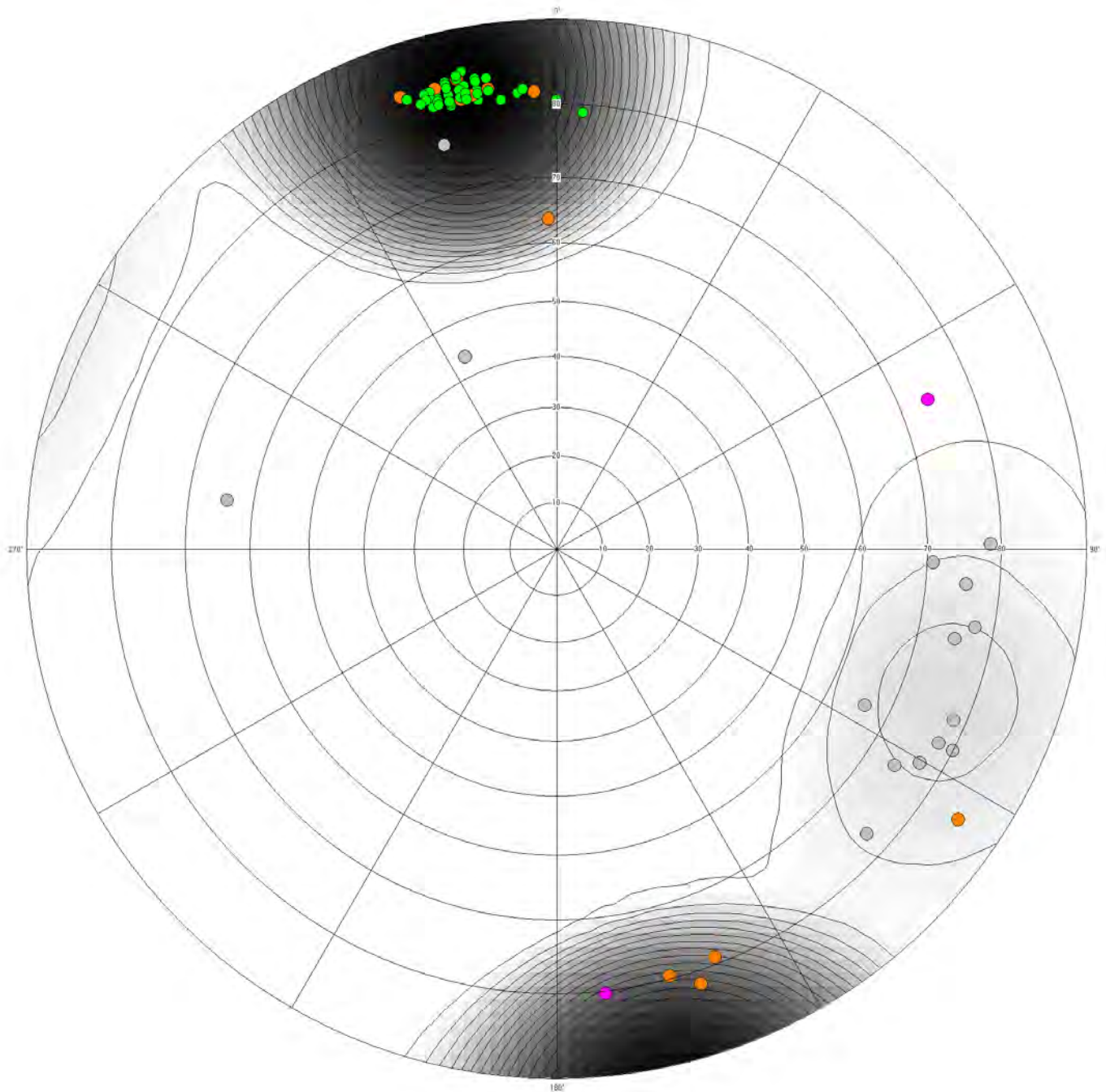
Dylan Chingery | Director of Operations
dylan@advancedgeo.com
908-616-7574

A handwritten signature in black ink, appearing to be "C. Miller", written below the professional seal.





MW-18 Polar Plot



Attribute : Type

Symbol	Code - Description
--------	--------------------

2 - Minor Open Joint / Fracture

● 3 - Partially Open Joint / Fracture

4 - Filled Fracture / Joint

- 4 - Filled Fracture / Joint
- 5 - Bedding / Banding / Foliation



Appendix C – Packer Testing Results

**STRADDLE PACKER TESTING FIELD INFORMATION**

WELL:	MW-85	INTERVAL:	65	80
PROJECT:	GES - Bishop Tube	CLIENT:	GES	
PERSONNEL:	RC, DD	DATE:	3/31/2026 W.O.#: FS1604	

SETTING DEPTHS		DATA COLLECTION CALIBRATION					Initial Pipe Tally:		20																									
Pump Location:	57.85	Configuration Filename: x					Pipes That Remain on Truck: 17																											
Upper Packer - Top:	61.7	Current V = static water level (ft)																																
Upper Packer - Bottom:	65	Open Air V = transducer depth (ft)																																
Water Intake:	77.9	CHANNEL 1 (Top)		CHANNEL 2 (Middle)		CHANNEL 3 (Lower)																												
Lower Packer - Top:	80	6.06591E-03	V=	2.1	7.74969E-03	V=	2.1	7.78461E-03	V=	2.1																								
Lower Packer - Bottom:	83.3	4.7742E-03	V=	55.85	5.2166E-03	V=	73	5.1684E-03	V=	85.1																								
Assembly Bottom:	85.1	Additional Calibration Notes																																
PACKER INFLATION (psi)		x																																
TOP	BOTTOM																																	
Minimum Required	Minimum Required																																	
161	169																																	
Actual PSI Used																																		
190	200	WATER LEVELS (ft)																																
TEST SEQUENCE		Open Hole Static Water Level:					2.1																											
Begin Logging	11:22	<table><thead><tr><th></th><th>PRE-INFLATION</th><th>POST-INFLATION</th><th>PRE-PUMPING</th><th>PUMPING LEVEL</th><th>RECOVERY</th></tr></thead><tbody><tr><td>1</td><td>2.41</td><td>0.72</td><td>2.63</td><td>3.93</td><td>3.33</td></tr><tr><td>2</td><td>2.93</td><td>2.25</td><td>3.49</td><td>55.08</td><td>4.60</td></tr><tr><td>3</td><td>2.57</td><td>1.58</td><td>2.86</td><td>58.72</td><td>4.69</td></tr></tbody></table>										PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY	1	2.41	0.72	2.63	3.93	3.33	2	2.93	2.25	3.49	55.08	4.60	3	2.57	1.58	2.86	58.72	4.69
	PRE-INFLATION										POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY																				
1	2.41										0.72	2.63	3.93	3.33																				
2	2.93										2.25	3.49	55.08	4.60																				
3	2.57										1.58	2.86	58.72	4.69																				
Start Inflation	11:26																																	
Begin Pumping	12:12																																	
End Pumping	13:08																																	
End Logging	14:04																																	
PUMPING RECORD		Miscellaneous Notes																																
Pumping Interval:	65	Interconnection with bottom zone during slug test and pump test. PRE-INFLATION and POST-INFLATION readings taken prior to slug test. PRE-PUMPING readings recorded after slug was removed and pump was lowered. Pumping zone was 31.34 prior to pulling the Redi-flo and swapping with Monsoon. Pumping zone was 24.67 when Monsoon was started again. No check valve used on the monsoon so initial recovery surge of ~2.5' due to water from the poly returning to the zone.																																
Pumping Rate:	0.5 gal/min																																	
Pumping Duration:	0:56																																	
Maximum Drawdown:	51.59																																	
Zone Volume	22	SLUG TEST SEQUENCE																																
Volume Purged	~25gal			TIME		WATER LEVEL (ft)																												
Nature of Discharge:	clear	Start		11:41		2.39																												
Recovery Time	0:56	Peak		11:41		-1.26																												
Percentage Recovery	97.85%	Recovery		11:46		2.40																												
RATE ADJUSTMENTS																																		
Pump started at 12:12 PM at 0.5gpm. Rate lowered to 0.45gpm at 12:27 PM. Due to drawdown, rate naturally slowed overtime and was set back to 0.5gpm at 12:35 PM. Redi-flo stopped at 12:39 PM and swapped with monsoon. Monsoon started at 12:46 PM at 0.5gpm. Rate increased to 1.0gpm at 1:04 PM. Dewatered and pump turned off at 1:08 PM. Pump turned on again at 1:59 PM to take samples.																																		
SUMMARY																																		
~25gal of water was purged from the zone during the 49 minute pumping interval (this accounts for the 7 minutes it took to swap pumps and resume pumping). There was a 97.76% recovery (accounting for the surge of water from the poly when the pump was turned off) of the zone during the 56 minutes it was observed.																																		

Packer Dimensions	
SPREAD	15 ft
A- Top of Packer to Top of Bladder	3.85 ft
B- Length of Bladder	3.3 ft
C- Bottom of Bladder to Bottom of Packer	3.1 ft
D- Pipe Spread	5.3 ft
Length of Slotted Piece and L-Zap	4.5 ft
E- Top of Packer to Top of Bladder	2.1 ft
F- Length of Bladder	3.3 ft
H- Bottom of Bladder to Bottom of Packer	1.8 ft
Total Length of Top Packer	10.25 ft
Total Length of Bottom Packer	7.2 ft
Total Assembly Length	27.25 ft

Transducer Locations	
Top	2 (Distance Above Upper Packer Top)
Middle	8 (Distance Below Upper Packer Bottom)
Bottom	0 (If Different from Bottom of Assembly)

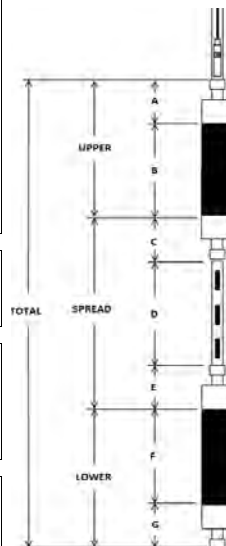
Important Dimensions	
Pipe Lengths	21 ft
Pipe diameter	2.00 in
Upper packer diameter	3.5 in
Lower packer diameter	3.5 in
Well diameter	6 in

Inflation Numbers	
Stretch PSI-Upper	125 PSI
Stretch PSI-Lower	125 PSI
Top Packer Inflation	161 PSI
Bottom Packer Inflation	169 PSI

Pipe Tally	
Stickup	5.2 ft
Point A	57.9 ft
Total Length of Pipe	63.0 ft
No. of Full-Length Pipes	3 pipes
Feet of Odds	0.0 ft

Pump Time	
Number of Volumes To Purge	3 Volumes
Zone Volume	22 gallons
GPM	0.5 gal/min
Run time	132 minutes

Transducer Serial Number	
Top	
Middle	
Bottom	



		PACKER DIAMETER						
		1.8	2.7	3.5	4.0	4.5	5.5	7.3
BOREHOLE DIAMETER	2.25	15						
	2.5	25						
	3	40	25					
	3.5	80	35					
	3.75		44					
	4		50	25				
	4.5		90	40	25			
	5		130	50	30			
	5.5			75	37.5	25		
	6			125	45	30	20	
	6.25			300	55	33	21	
	6.5				65	35	23	
	7				75	44	25	
	7.5				120	59	28	
	8					73	30	100
	8.5					116	45	140
	9						40	180
	9.5						60	275
	10						80	370
	10.5							100

Column1	Column2	Column3	Column4
DASYLab 2016 - 2016			
Worksheet name: MW-85 Zone 1 (65-80)			
Recording date : 3/31/2026		11:22:54 AM	
Block length : 1			
Delta : 2 sec.			
Number of channels : 3			
Measurement time[s]	Upper Zone [ft]	Pumping Zone [ft]	Lower Zone [ft]
1	-157.79	-81.93	-93.36
3	2.45	2.78	2.51
5	2.38	2.79	2.50
7	2.41	2.80	2.51
9	2.43	2.81	2.50
11	2.39	2.81	2.49
13	2.42	2.84	2.53
15	2.38	2.82	2.51
17	2.39	2.87	2.52
19	2.42	2.85	2.53
21	2.38	2.85	2.51
23	2.41	2.87	2.52
25	2.40	2.87	2.52
27	2.39	2.88	2.53
29	2.41	2.88	2.53
31	2.41	2.89	2.52
33	2.40	2.89	2.54
35	2.45	2.91	2.54
37	2.42	2.89	2.55
39	2.45	2.93	2.57
41	2.46	2.93	2.57
43	2.48	2.96	2.57
45	2.49	2.97	2.58
47	2.46	2.95	2.59
49	2.50	3.00	2.60
51	2.46	2.93	2.57
53	2.48	2.97	2.61
55	2.48	2.97	2.58
57	2.44	2.95	2.56
59	2.48	3.00	2.60
61	2.45	2.98	2.55
63	2.42	2.95	2.55
65	2.44	2.96	2.57
67	2.42	2.94	2.56
69	2.40	2.93	2.53
71	2.44	2.94	2.58
73	2.39	2.92	2.53
75	2.41	2.96	2.56
77	2.42	2.94	2.55

79	2.43	2.92	2.54
81	2.43	2.97	2.58
83	2.43	2.94	2.53
85	2.44	2.96	2.57
87	2.45	3.01	2.57
89	2.45	2.95	2.59
91	2.50	3.00	2.61
93	2.49	3.01	2.58
95	2.49	2.96	2.60
97	2.52	2.99	2.60
99	2.47	2.94	2.58
101	2.50	3.00	2.59
103	2.54	3.03	2.62
105	2.46	3.00	2.58
107	2.49	3.01	2.60
109	2.47	3.00	2.59
111	2.48	2.98	2.60
113	2.48	3.00	2.59
115	2.46	2.98	2.58
117	2.45	2.98	2.58
119	2.46	2.98	2.60
121	2.45	2.95	2.58
123	2.46	2.99	2.58
125	2.42	2.99	2.56
127	2.46	2.97	2.58
129	2.44	2.99	2.59
131	2.46	3.02	2.58
133	2.46	3.02	2.61
135	2.48	3.00	2.60
137	2.47	3.02	2.62
139	2.49	3.02	2.61
141	2.48	3.02	2.62
143	2.54	3.05	2.67
145	2.49	3.03	2.65
147	2.52	3.04	2.63
149	2.52	3.05	2.67
151	2.49	3.04	2.65
153	2.54	3.05	2.68
155	2.55	3.07	2.69
157	2.55	3.07	2.65
159	2.55	3.08	2.65
161	2.55	3.05	2.67
163	2.54	3.07	2.68
165	2.51	3.04	2.66
167	2.51	3.02	2.66
169	2.62	3.09	2.64
171	2.59	3.07	2.69

173	2.54	3.07	2.66
175	2.55	3.09	2.67
177	2.51	3.07	2.67
179	2.53	3.09	2.67
181	2.57	3.08	2.69
183	2.50	3.08	2.65
185	2.50	3.11	2.67
187	2.47	3.07	2.64
189	2.50	3.06	2.63
191	2.58	3.06	2.63
193	2.47	3.05	2.62
195	2.47	3.02	2.63
197	2.53	3.08	2.71
199	2.44	3.00	2.55
201	2.39	2.99	2.54
203	2.40	2.92	2.49
205	2.31	2.91	2.48
207	2.28	2.88	2.44
209	2.27	2.89	2.42
211	2.25	2.88	2.45
213	2.26	2.89	2.40
215	2.28	2.91	2.43
217	2.29	2.90	2.46
219	2.25	2.89	2.45
221	2.33	2.90	2.46
223	2.38	2.91	2.47
225	2.33	2.93	2.48
227	2.35	2.95	2.47
229	2.38	2.96	2.50
231	2.40	2.95	2.52
233	2.36	2.93	2.51
235	2.37	2.95	2.54
237	2.35	2.94	2.49
239	2.34	2.92	2.46
241	2.29	2.88	2.46
243	2.32	2.87	2.42
245	2.21	2.87	2.39
247	2.29	2.87	2.41
249	2.26	2.85	2.38
251	2.25	2.86	2.41
253	2.28	2.85	2.41
255	2.26	2.86	2.42
257	2.32	2.89	2.46
259	2.28	2.82	2.39
261	2.25	2.87	2.40
263	2.27	2.80	2.35
265	2.26	2.79	2.33

267	2.21	2.77	2.29
269	2.13	2.71	2.23
271	2.12	2.65	2.20
273	2.11	2.65	2.16
275	2.05	2.64	2.15
277	2.04	2.64	2.14
279	2.02	2.59	2.08
281	2.02	2.58	2.09
283	2.00	2.54	2.05
285	1.93	2.53	2.01
287	1.93	2.49	1.96
289	1.82	2.43	1.92
291	1.83	2.40	1.86
293	1.78	2.34	1.83
295	1.74	2.33	1.83
297	1.70	2.30	1.76
299	1.68	2.27	1.75
301	1.67	2.26	1.73
303	1.70	2.24	1.72
305	1.68	2.22	1.67
307	1.63	2.22	1.46
309	1.64	2.18	-1.16
311	1.59	2.20	-5.01
313	1.55	2.16	-10.70
315	1.57	2.18	-15.14
317	1.60	2.18	-17.68
319	1.55	2.16	-18.50
321	1.55	2.17	-18.16
323	1.55	2.16	-17.40
325	1.61	2.16	-17.22
327	1.59	2.16	-17.91
329	1.57	2.17	-18.83
331	1.59	2.18	-19.59
333	1.56	2.16	-19.71
335	1.58	2.16	-19.12
337	1.57	2.17	-18.13
339	1.59	2.17	-16.95
341	1.60	2.20	-15.69
343	1.58	2.19	-14.53
345	1.62	2.22	-13.42
347	1.64	2.23	-12.48
349	1.66	2.23	-11.55
351	1.68	2.26	-10.66
353	1.65	2.22	-9.92
355	1.68	2.27	-9.16
357	1.62	2.19	-8.50
359	1.63	2.21	-7.86

361	1.57	2.19	-7.30
363	1.53	2.12	-6.74
365	1.53	2.04	-6.26
367	1.43	1.99	-5.80
369	1.41	1.95	-5.39
371	1.34	1.90	-4.95
373	1.32	1.84	-4.62
375	1.30	1.83	-4.24
377	1.27	1.78	-3.97
379	1.24	1.75	-3.68
381	1.20	1.71	-3.41
383	1.12	1.66	-3.18
385	1.13	1.62	-2.88
387	1.05	1.55	-2.65
389	0.97	1.49	-2.43
391	0.94	1.45	-2.21
393	0.91	1.44	-2.02
395	0.89	1.38	-1.85
397	0.89	1.39	-1.65
399	0.89	1.38	-1.54
401	0.87	1.38	-1.34
403	0.87	1.39	-1.25
405	0.88	1.36	-1.19
407	0.90	1.34	-1.40
409	0.88	1.30	-1.71
411	0.83	1.31	-1.97
413	0.90	1.26	-2.16
415	0.87	1.24	-2.11
417	0.90	1.23	-1.88
419	0.91	1.25	-1.68
421	0.89	1.23	-1.42
423	0.85	1.21	-1.19
425	0.85	1.23	-1.04
427	0.86	1.20	-1.02
429	0.86	1.22	-1.00
431	0.85	1.20	-1.05
433	0.84	1.20	-1.00
435	0.84	1.19	-0.96
437	0.83	1.17	-0.87
439	0.87	1.19	-0.77
441	0.83	1.17	-0.65
443	0.84	1.20	-0.55
445	0.86	1.21	-0.46
447	0.82	1.20	-0.40
449	0.85	1.22	-0.33
451	0.88	1.21	-0.27
453	0.87	1.20	-0.23

455	0.88	1.21	-0.15
457	0.85	1.23	-0.10
459	0.87	1.20	-0.05
461	0.89	1.22	-0.03
463	0.88	1.22	0.00
465	0.91	1.22	0.04
467	0.92	1.24	0.10
469	0.87	1.25	0.10
471	0.91	1.29	0.14
473	0.92	1.27	0.17
475	0.94	1.30	0.20
477	0.96	1.31	0.25
479	0.98	1.32	0.11
481	0.99	1.33	-0.23
483	0.98	1.32	-0.17
485	0.97	1.33	-0.12
487	1.00	1.33	-0.09
489	1.01	1.33	-0.06
491	1.01	1.34	-0.01
493	1.01	1.35	0.04
495	1.01	1.34	0.04
497	1.03	1.36	0.07
499	0.99	1.36	0.08
501	0.98	1.32	0.09
503	1.03	1.33	0.12
505	0.98	1.32	0.14
507	0.98	1.33	0.15
509	0.96	1.33	0.18
511	0.96	1.31	0.18
513	0.99	1.35	0.22
515	0.98	1.35	0.23
517	0.97	1.36	0.26
519	1.00	1.36	0.27
521	0.99	1.34	0.29
523	1.01	1.39	0.32
525	1.03	1.39	0.34
527	1.05	1.38	0.35
529	1.06	1.41	0.41
531	1.07	1.41	0.39
533	1.11	1.44	0.42
535	1.10	1.43	0.43
537	1.06	1.43	0.43
539	1.13	1.44	0.46
541	1.10	1.45	0.48
543	1.13	1.47	0.46
545	1.09	1.47	0.50
547	1.08	1.45	0.49

549	1.07	1.45	0.49
551	1.08	1.46	0.48
553	1.08	1.46	0.48
555	1.09	1.44	0.52
557	1.05	1.44	0.50
559	1.08	1.44	0.53
561	1.06	1.45	0.51
563	1.06	1.42	0.53
565	1.08	1.47	0.53
567	1.09	1.44	0.55
569	1.09	1.48	0.56
571	1.10	1.45	0.57
573	1.11	1.46	0.56
575	1.15	1.50	0.60
577	1.13	1.52	0.62
579	1.14	1.50	0.60
581	1.15	1.53	0.64
583	1.18	1.51	0.66
585	1.16	1.51	0.67
587	1.23	1.55	0.70
589	1.19	1.52	0.69
591	1.22	1.55	0.70
593	1.22	1.59	0.72
595	1.20	1.55	0.70
597	1.20	1.56	0.73
599	1.20	1.57	0.73
601	1.19	1.55	0.72
603	1.24	1.56	0.72
605	1.17	1.54	0.70
607	1.17	1.53	0.72
609	1.19	1.57	0.71
611	1.15	1.54	0.68
613	1.16	1.56	0.72
615	1.18	1.55	0.73
617	1.13	1.54	0.70
619	1.17	1.58	0.73
621	1.21	1.59	0.76
623	1.21	1.57	0.76
625	1.21	1.58	0.79
627	1.22	1.59	0.77
629	1.23	1.62	0.80
631	1.30	1.62	0.83
633	1.26	1.64	0.82
635	1.26	1.66	0.87
637	1.28	1.67	0.84
639	1.27	1.65	0.86
641	1.30	1.68	0.87

643	1.31	1.65	0.84
645	1.26	1.67	0.88
647	1.27	1.68	0.85
649	1.28	1.66	0.84
651	1.24	1.64	0.86
653	1.27	1.65	0.87
655	1.22	1.64	0.85
657	1.22	1.64	0.85
659	1.26	1.65	0.86
661	1.24	1.67	0.86
663	1.27	1.66	0.85
665	1.29	1.70	0.91
667	1.25	1.67	0.89
669	1.29	1.70	0.90
671	1.29	1.69	0.91
673	1.29	1.71	0.90
675	1.34	1.72	0.93
677	1.29	1.74	0.96
679	1.35	1.75	0.99
681	1.36	1.75	0.97
683	1.34	1.73	1.00
685	1.35	1.76	1.01
687	1.34	1.75	0.98
689	1.31	1.76	0.97
691	1.29	1.73	0.95
693	1.28	1.72	0.94
695	1.31	1.73	0.96
697	1.30	1.74	0.94
699	1.25	1.72	0.96
701	1.33	1.75	0.96
703	1.31	1.72	0.99
705	1.32	1.74	1.01
707	1.34	1.75	1.00
709	1.35	1.79	1.04
711	1.38	1.82	1.06
713	1.39	1.81	1.05
715	1.40	1.82	1.06
717	1.41	1.85	1.11
719	1.41	1.84	1.07
721	1.41	1.84	1.06
723	1.37	1.81	1.05
725	1.38	1.84	1.09
727	1.39	1.84	1.08
729	1.37	1.82	1.05
731	1.35	1.82	1.06
733	1.35	1.84	1.05
735	1.34	1.82	1.09

737	1.32	1.82	1.06
739	1.32	1.81	1.05
741	1.38	1.84	1.09
743	1.35	1.83	1.08
745	1.39	1.84	1.09
747	1.36	1.84	1.09
749	1.40	1.85	1.07
751	1.41	1.90	1.14
753	1.42	1.89	1.12
755	1.44	1.90	1.16
757	1.46	1.94	1.18
759	1.44	1.93	1.18
761	1.45	1.94	1.21
763	1.47	1.91	1.18
765	1.42	1.90	1.16
767	1.45	1.92	1.18
769	1.41	1.93	1.17
771	1.42	1.94	1.18
773	1.42	1.92	1.19
775	1.40	1.90	1.16
777	1.41	1.92	1.16
779	1.39	1.93	1.17
781	1.41	1.93	1.16
783	1.41	1.92	1.19
785	1.38	1.88	1.17
787	1.40	1.92	1.18
789	1.40	1.93	1.18
791	1.39	1.90	1.15
793	1.42	1.93	1.17
795	1.40	1.93	1.20
797	1.41	1.94	1.22
799	1.45	1.94	1.24
801	1.41	1.93	1.21
803	1.46	1.97	1.23
805	1.47	1.98	1.23
807	1.46	1.98	1.24
809	1.46	2.00	1.25
811	1.49	2.00	1.27
813	1.49	2.01	1.27
815	1.50	2.02	1.28
817	1.51	2.01	1.28
819	1.55	2.08	1.33
821	1.52	2.02	1.29
823	1.53	2.03	1.30
825	1.53	2.05	1.34
827	1.51	2.06	1.31
829	1.53	2.06	1.32

831	1.57	2.05	1.35
833	1.52	2.07	1.33
835	1.54	2.06	1.37
837	1.57	2.09	1.33
839	1.54	2.06	1.33
841	1.54	2.04	1.36
843	1.58	2.06	1.36
845	1.51	2.02	1.32
847	1.54	2.07	1.35
849	1.51	2.04	1.34
851	1.51	2.06	1.35
853	1.54	2.07	1.32
855	1.50	2.04	1.34
857	1.52	2.04	1.35
859	1.49	2.05	1.30
861	1.50	2.05	1.35
863	1.52	2.07	1.34
865	1.49	2.03	1.35
867	1.52	2.07	1.35
869	1.51	2.07	1.35
871	1.50	2.06	1.36
873	1.50	2.07	1.34
875	1.52	2.10	1.36
877	1.53	2.06	1.37
879	1.55	2.09	1.39
881	1.56	2.09	1.37
883	1.54	2.11	1.42
885	1.55	2.13	1.41
887	1.57	2.12	1.40
889	1.58	2.15	1.41
891	1.60	2.16	1.43
893	1.60	2.14	1.44
895	1.64	2.18	1.47
897	1.63	2.21	1.45
899	1.64	2.20	1.49
901	1.66	2.17	1.51
903	1.64	2.20	1.46
905	1.63	2.18	1.50
907	1.63	2.17	1.47
909	1.59	2.17	1.48
911	1.62	2.17	1.49
913	1.64	2.16	1.49
915	1.58	2.13	1.43
917	1.60	2.13	1.47
919	1.60	2.14	1.46
921	1.57	2.15	1.45
923	1.60	2.15	1.44

925	1.63	2.18	1.47
927	1.57	2.18	1.46
929	1.60	2.13	1.47
931	1.59	2.16	1.47
933	1.60	2.15	1.45
935	1.58	2.19	1.47
937	1.60	2.17	1.47
939	1.59	2.17	1.46
941	1.64	2.20	1.50
943	1.64	2.21	1.49
945	1.61	2.19	1.53
947	1.65	2.24	1.54
949	1.63	2.23	1.53
951	1.69	2.25	1.54
953	1.69	2.26	1.58
955	1.67	2.29	1.55
957	1.70	2.29	1.59
959	1.76	2.30	1.61
961	1.71	2.29	1.58
963	1.69	2.28	1.59
965	1.71	2.27	1.57
967	1.69	2.26	1.55
969	1.69	2.26	1.57
971	1.70	2.27	1.59
973	1.65	2.26	1.54
975	1.65	2.25	1.56
977	1.69	2.26	1.60
979	1.70	2.23	1.54
981	1.64	2.23	1.56
983	1.69	2.26	1.57
985	1.65	2.23	1.57
987	1.67	2.21	1.56
989	1.68	2.24	1.60
991	1.68	2.25	1.58
993	1.67	2.25	1.60
995	1.69	2.26	1.63
997	1.70	2.26	1.62
999	1.72	2.25	1.58
1001	1.72	2.31	1.65
1003	1.78	2.32	1.67
1005	1.75	2.31	1.69
1007	1.79	2.33	1.66
1009	1.78	2.34	1.69
1011	1.80	2.34	1.67
1013	1.79	2.33	1.71
1015	1.77	2.36	1.70
1017	1.78	2.35	1.68

1019	1.82	2.36	1.69
1021	1.80	2.39	1.72
1023	1.80	2.36	1.71
1025	1.81	2.37	1.70
1027	1.79	2.39	1.71
1029	1.81	2.37	1.70
1031	1.80	2.38	1.74
1033	1.79	2.37	1.71
1035	1.78	2.39	1.73
1037	1.84	2.37	1.74
1039	1.81	2.37	1.71
1041	1.81	2.39	1.72
1043	1.82	2.38	1.73
1045	1.81	2.37	1.72
1047	1.84	2.41	1.73
1049	1.76	2.37	1.72
1051	1.77	2.35	1.72
1053	1.76	2.39	1.74
1055	1.77	2.35	1.72
1057	1.75	2.35	1.72
1059	1.76	2.37	1.73
1061	1.77	2.36	1.72
1063	1.77	2.36	1.73
1065	1.77	2.34	1.70
1067	1.76	2.37	1.70
1069	1.78	2.37	1.75
1071	1.75	2.40	1.71
1073	1.77	2.36	1.72
1075	1.79	2.39	1.72
1077	1.75	2.37	1.72
1079	1.80	2.40	1.74
1081	1.78	2.40	1.75
1083	1.74	2.42	1.73
1085	1.77	2.40	1.78
1087	1.79	2.39	1.73
1089	1.76	2.38	1.76
1091	1.78	2.42	1.78
1093	1.79	1.61	1.75
1095	1.79	-1.26	1.58
1097	1.79	-1.08	1.32
1099	1.80	-0.58	1.12
1101	1.78	-0.57	0.94
1103	1.81	-0.51	0.76
1105	1.83	-0.48	0.64
1107	1.81	-0.48	0.48
1109	1.82	-0.44	0.37
1111	1.84	-0.38	0.24

1113	1.88	-0.35	0.15
1115	1.89	-0.30	0.09
1117	1.88	-0.29	0.00
1119	1.88	-0.25	-0.06
1121	1.89	-0.24	-0.14
1123	1.84	-0.23	-0.22
1125	1.87	-0.19	-0.26
1127	1.85	-0.17	-0.34
1129	1.85	-0.18	-0.39
1131	1.84	-0.13	-0.43
1133	1.79	-0.14	-0.50
1135	1.82	-0.11	-0.52
1137	1.83	-0.07	-0.54
1139	1.81	-0.08	-0.58
1141	1.79	-0.05	-0.58
1143	1.79	-0.03	-0.64
1145	1.78	-0.01	-0.62
1147	1.85	0.03	-0.61
1149	1.82	0.05	-0.66
1151	1.84	0.09	-0.66
1153	1.85	0.10	-0.64
1155	1.83	0.11	-0.67
1157	1.85	0.14	-0.66
1159	1.84	0.18	-0.64
1161	1.87	0.21	-0.65
1163	1.87	0.26	-0.61
1165	1.87	0.26	-0.65
1167	1.88	0.26	-0.60
1169	1.89	0.33	-0.60
1171	1.93	0.36	-0.54
1173	1.87	0.37	-0.52
1175	1.89	0.37	-0.47
1177	1.85	0.39	-0.49
1179	1.88	0.40	-0.48
1181	1.90	0.45	-0.46
1183	1.89	0.45	-0.48
1185	1.86	0.46	-0.48
1187	1.82	0.47	-0.47
1189	1.84	0.47	-0.51
1191	1.84	0.51	-0.48
1193	1.82	0.54	-0.46
1195	1.82	0.54	-0.47
1197	1.84	0.52	-0.46
1199	1.82	0.55	-0.45
1201	1.81	0.59	-0.43
1203	1.86	0.60	-0.40
1205	1.83	0.59	-0.39

1207	1.88	0.67	-0.38
1209	1.82	0.68	-0.38
1211	1.84	0.67	-0.35
1213	1.84	0.72	-0.33
1215	1.85	0.74	-0.33
1217	1.86	0.74	-0.30
1219	1.82	0.76	-0.28
1221	1.87	0.79	-0.25
1223	1.88	0.81	-0.21
1225	1.86	0.81	-0.20
1227	1.87	0.85	-0.19
1229	1.86	0.86	-0.14
1231	1.84	0.87	-0.14
1233	1.88	0.90	-0.12
1235	1.86	0.91	-0.14
1237	1.86	0.94	-0.10
1239	1.87	0.98	-0.06
1241	1.85	0.98	-0.06
1243	1.86	0.97	-0.04
1245	1.87	1.01	-0.02
1247	1.88	1.00	-0.02
1249	1.88	1.02	0.01
1251	1.85	1.05	0.04
1253	1.88	1.04	0.02
1255	1.86	1.09	0.06
1257	1.86	1.10	0.06
1259	1.83	1.09	0.08
1261	1.89	1.10	0.08
1263	1.85	1.12	0.09
1265	1.84	1.16	0.14
1267	1.88	1.17	0.14
1269	1.83	1.16	0.15
1271	1.87	1.20	0.22
1273	1.81	1.20	0.20
1275	1.87	1.24	0.19
1277	1.87	1.24	0.26
1279	1.85	1.23	0.27
1281	1.85	1.27	0.28
1283	1.87	1.29	0.31
1285	1.82	1.28	0.32
1287	1.89	1.32	0.32
1289	1.88	1.32	0.33
1291	1.87	1.34	0.33
1293	1.85	1.35	0.37
1295	1.86	1.39	0.41
1297	1.86	1.36	0.42
1299	1.88	1.37	0.42

1301	1.89	1.39	0.45
1303	1.86	1.43	0.45
1305	1.87	1.43	0.47
1307	1.88	1.46	0.49
1309	1.86	1.46	0.46
1311	1.89	1.47	0.51
1313	1.87	1.50	0.55
1315	1.87	1.50	0.55
1317	1.88	1.50	0.55
1319	1.88	1.53	0.59
1321	1.92	1.53	0.58
1323	1.85	1.55	0.61
1325	1.86	1.55	0.64
1327	1.91	1.61	0.66
1329	1.87	1.59	0.66
1331	1.89	1.61	0.67
1333	1.92	1.62	0.70
1335	1.87	1.61	0.70
1337	1.91	1.65	0.72
1339	1.89	1.65	0.75
1341	1.94	1.68	0.75
1343	1.97	1.71	0.79
1345	1.90	1.70	0.81
1347	1.92	1.72	0.82
1349	1.94	1.75	0.84
1351	1.92	1.73	0.84
1353	1.94	1.75	0.86
1355	1.94	1.77	0.89
1357	1.95	1.78	0.89
1359	1.97	1.82	0.93
1361	1.98	1.84	0.93
1363	1.93	1.85	0.94
1365	1.99	1.89	0.96
1367	1.95	1.91	0.97
1369	1.93	1.93	1.02
1371	2.00	1.95	1.00
1373	1.95	1.98	1.03
1375	1.94	1.99	1.04
1377	1.97	2.02	1.08
1379	1.91	2.01	1.10
1381	1.92	2.03	1.08
1383	1.94	2.09	1.14
1385	1.94	2.09	1.14
1387	1.89	2.10	1.14
1389	1.95	2.12	1.17
1391	1.92	2.14	1.18
1393	1.94	2.17	1.22

1395	1.95	2.21	1.27
1397	1.95	2.21	1.27
1399	1.98	2.25	1.32
1401	1.99	2.25	1.35
1403	1.98	2.32	1.37
1405	2.00	2.34	1.41
1407	1.98	2.36	1.39
1409	1.99	2.39	1.42
1411	2.04	2.39	1.48
1413	2.01	2.41	1.46
1415	2.01	2.40	1.49
1417	2.02	2.44	1.56
1419	2.02	2.44	1.55
1421	2.04	2.47	1.59
1423	2.07	2.47	1.58
1425	1.98	2.49	1.57
1427	2.03	2.50	1.62
1429	2.04	2.53	1.63
1431	2.04	2.52	1.67
1433	2.06	2.54	1.67
1435	2.02	2.55	1.71
1437	2.01	2.56	1.68
1439	2.03	2.56	1.75
1441	2.04	2.55	1.70
1443	2.00	2.57	1.75
1445	2.03	2.59	1.77
1447	2.04	2.58	1.75
1449	2.06	2.59	1.79
1451	2.05	2.62	1.79
1453	2.02	2.59	1.81
1455	2.03	2.59	1.84
1457	1.99	2.61	1.85
1459	2.01	2.59	1.81
1461	1.99	2.60	1.84
1463	2.00	2.60	1.84
1465	1.98	2.63	1.87
1467	1.98	2.63	1.87
1469	2.02	2.65	1.85
1471	2.00	2.65	1.91
1473	1.99	2.64	1.93
1475	2.01	2.68	1.90
1477	2.00	2.65	1.94
1479	2.00	2.71	2.00
1481	2.04	2.69	1.98
1483	2.01	2.69	1.98
1485	2.08	2.74	2.03
1487	2.06	2.73	1.99

1489	2.07	2.73	2.03
1491	2.10	2.74	2.02
1493	2.11	2.74	2.03
1495	2.07	2.76	2.09
1497	2.07	2.76	2.06
1499	2.05	2.73	2.02
1501	2.06	2.75	2.07
1503	2.05	2.73	2.02
1505	2.03	2.74	2.04
1507	2.04	2.76	2.05
1509	2.02	2.71	2.01
1511	2.02	2.72	2.04
1513	2.00	2.75	2.08
1515	2.03	2.73	2.03
1517	2.04	2.75	2.12
1519	2.07	2.75	2.08
1521	2.08	2.77	2.10
1523	2.07	2.80	2.12
1525	2.09	2.79	2.12
1527	2.12	2.81	2.18
1529	2.12	2.81	2.17
1531	2.12	2.80	2.17
1533	2.14	2.84	2.19
1535	2.14	2.82	2.17
1537	2.14	2.84	2.23
1539	2.12	2.84	2.23
1541	2.17	2.84	2.20
1543	2.15	2.84	2.23
1545	2.19	2.86	2.23
1547	2.13	2.87	2.25
1549	2.12	2.85	2.23
1551	2.12	2.85	2.23
1553	2.14	2.87	2.23
1555	2.10	2.84	2.22
1557	2.12	2.89	2.25
1559	2.16	2.87	2.25
1561	2.12	2.84	2.24
1563	2.11	2.86	2.24
1565	2.07	2.87	2.21
1567	2.05	2.84	2.19
1569	2.10	2.85	2.25
1571	2.06	2.84	2.23
1573	2.10	2.83	2.23
1575	2.08	2.83	2.19
1577	2.09	2.84	2.23
1579	2.09	2.85	2.25
1581	2.11	2.84	2.23

1583	2.14	2.86	2.27
1585	2.11	2.84	2.23
1587	2.15	2.87	2.25
1589	2.15	2.90	2.31
1591	2.19	2.90	2.29
1593	2.17	2.92	2.31
1595	2.19	2.92	2.32
1597	2.21	2.90	2.29
1599	2.18	2.94	2.32
1601	2.18	2.91	2.34
1603	2.21	2.95	2.31
1605	2.15	2.92	2.34
1607	2.18	2.93	2.34
1609	2.20	2.93	2.31
1611	2.14	2.93	2.33
1613	2.20	2.96	2.32
1615	2.15	2.93	2.34
1617	2.17	2.94	2.32
1619	2.20	2.94	2.33
1621	2.16	2.92	2.34
1623	2.19	2.96	2.36
1625	2.20	2.94	2.32
1627	2.19	2.94	2.34
1629	2.18	2.95	2.35
1631	2.19	2.94	2.37
1633	2.22	2.94	2.37
1635	2.25	2.97	2.37
1637	2.20	2.98	2.38
1639	2.24	2.98	2.39
1641	2.20	2.96	2.39
1643	2.21	2.99	2.38
1645	2.22	2.97	2.41
1647	2.24	2.98	2.39
1649	2.21	2.97	2.37
1651	2.21	2.97	2.39
1653	2.24	2.97	2.40
1655	2.20	2.98	2.40
1657	2.20	3.00	2.39
1659	2.25	2.99	2.40
1661	2.22	2.94	2.40
1663	2.24	3.00	2.42
1665	2.24	2.98	2.42
1667	2.23	2.99	2.41
1669	2.27	2.98	2.41
1671	2.27	2.99	2.44
1673	2.23	3.00	2.42
1675	2.26	3.02	2.43

1677	2.24	3.00	2.40
1679	2.25	3.02	2.41
1681	2.29	3.01	2.46
1683	2.24	3.00	2.41
1685	2.26	3.01	2.41
1687	2.25	2.99	2.43
1689	2.24	2.99	2.40
1691	2.26	3.03	2.43
1693	2.26	2.99	2.41
1695	2.21	3.02	2.43
1697	2.25	3.02	2.43
1699	2.22	2.98	2.43
1701	2.24	2.98	2.41
1703	2.19	2.99	2.43
1705	2.19	2.99	2.42
1707	2.17	2.98	2.41
1709	2.21	2.99	2.40
1711	2.20	2.98	2.39
1713	2.18	2.98	2.39
1715	2.20	2.99	2.40
1717	2.19	2.98	2.41
1719	2.17	2.99	2.40
1721	2.22	3.00	2.43
1723	2.18	3.01	2.43
1725	2.24	3.00	2.43
1727	2.26	3.02	2.45
1729	2.24	3.01	2.45
1731	2.26	3.03	2.43
1733	2.29	3.03	2.43
1735	2.28	3.04	2.50
1737	2.28	3.05	2.48
1739	2.30	3.05	2.49
1741	2.28	3.08	2.50
1743	2.29	3.06	2.49
1745	2.28	3.05	2.51
1747	2.31	3.08	2.50
1749	2.31	3.08	2.49
1751	2.29	3.05	2.51
1753	2.28	3.07	2.49
1755	2.29	3.06	2.50
1757	2.32	3.10	2.52
1759	2.33	3.10	2.54
1761	2.31	3.10	2.49
1763	2.33	3.10	2.49
1765	2.30	3.08	2.52
1767	2.29	3.09	2.50
1769	2.30	3.07	2.49

1771	2.30	3.06	2.50
1773	2.29	3.08	2.50
1775	2.27	3.07	2.48
1777	2.30	3.08	2.49
1779	2.29	3.08	2.47
1781	2.27	3.07	2.51
1783	2.27	3.05	2.49
1785	2.26	3.03	2.47
1787	2.27	3.07	2.51
1789	2.26	3.06	2.47
1791	2.28	3.05	2.47
1793	2.25	3.06	2.47
1795	2.24	3.04	2.48
1797	2.28	3.09	2.49
1799	2.27	3.06	2.47
1801	2.24	3.09	2.51
1803	2.27	3.09	2.47
1805	2.25	3.08	2.49
1807	2.27	3.08	2.53
1809	2.24	3.07	2.49
1811	2.27	3.07	2.50
1813	2.27	3.08	2.50
1815	2.27	3.07	2.50
1817	2.29	3.11	2.50
1819	2.27	3.07	2.51
1821	2.25	3.08	2.51
1823	2.28	3.06	2.50
1825	2.27	3.10	2.49
1827	2.29	3.10	2.53
1829	2.27	3.09	2.49
1831	2.29	3.12	2.49
1833	2.25	3.10	2.50
1835	2.25	3.09	2.48
1837	2.31	3.08	2.52
1839	2.28	3.08	2.52
1841	2.28	3.10	2.54
1843	2.30	3.10	2.53
1845	2.28	3.08	2.49
1847	2.31	3.10	2.52
1849	2.28	3.12	2.53
1851	2.24	3.10	2.53
1853	2.31	3.11	2.54
1855	2.27	3.11	2.54
1857	2.27	3.11	2.54
1859	2.30	3.11	2.54
1861	2.31	3.13	2.52
1863	2.30	3.12	2.54

1865	2.32	3.12	2.54
1867	2.31	3.14	2.55
1869	2.34	3.15	2.57
1871	2.34	3.16	2.58
1873	2.38	3.16	2.58
1875	2.38	3.17	2.59
1877	2.36	3.17	2.57
1879	2.41	3.20	2.63
1881	2.38	3.19	2.61
1883	2.38	3.18	2.60
1885	2.41	3.21	2.62
1887	2.38	3.15	2.61
1889	2.35	3.19	2.60
1891	2.33	3.15	2.58
1893	2.35	3.14	2.59
1895	2.32	3.15	2.56
1897	2.33	3.14	2.53
1899	2.33	3.14	2.54
1901	2.32	3.13	2.55
1903	2.30	3.14	2.55
1905	2.32	3.15	2.59
1907	2.32	3.14	2.55
1909	2.36	3.14	2.60
1911	2.37	3.17	2.61
1913	2.37	3.18	2.63
1915	2.41	3.22	2.63
1917	2.37	3.18	2.62
1919	2.39	3.21	2.61
1921	2.40	3.22	2.64
1923	2.40	3.20	2.64
1925	2.41	3.22	2.66
1927	2.42	3.21	2.64
1929	2.43	3.22	2.66
1931	2.45	3.25	2.67
1933	2.43	3.21	2.66
1935	2.43	3.25	2.66
1937	2.44	3.22	2.64
1939	2.43	3.26	2.63
1941	2.45	3.25	2.66
1943	2.43	3.22	2.65
1945	2.44	3.24	2.66
1947	2.45	3.23	2.66
1949	2.43	3.24	2.67
1951	2.45	3.26	2.66
1953	2.47	3.25	2.67
1955	2.44	3.23	2.67
1957	2.44	3.25	2.67

1959	2.44	3.22	2.68
1961	2.45	3.23	2.70
1963	2.47	3.25	2.68
1965	2.40	3.25	2.66
1967	2.46	3.24	2.68
1969	2.43	3.23	2.67
1971	2.43	3.22	2.67
1973	2.45	3.23	2.67
1975	2.42	3.24	2.68
1977	2.42	3.26	2.65
1979	2.43	3.22	2.66
1981	2.41	3.20	2.62
1983	2.40	3.24	2.65
1985	2.38	3.21	2.63
1987	2.42	3.23	2.64
1989	2.39	3.23	2.66
1991	2.37	3.20	2.60
1993	2.39	3.21	2.62
1995	2.38	3.21	2.61
1997	2.39	3.21	2.62
1999	2.36	3.22	2.62
2001	2.37	3.20	2.62
2003	2.37	3.22	2.65
2005	2.37	3.22	2.64
2007	2.37	3.21	2.62
2009	2.39	3.22	2.66
2011	2.39	3.25	2.66
2013	2.41	3.25	2.65
2015	2.49	3.24	2.70
2017	2.44	3.25	2.67
2019	2.45	3.25	2.69
2021	2.47	3.28	2.71
2023	2.44	3.25	2.69
2025	2.44	3.26	2.68
2027	2.47	3.29	2.72
2029	2.48	3.28	2.71
2031	2.49	3.29	2.72
2033	2.50	3.31	2.74
2035	2.43	3.28	2.72
2037	2.51	3.30	2.71
2039	2.48	3.29	2.72
2041	2.46	3.28	2.71
2043	2.46	3.30	2.72
2045	2.46	3.26	2.71
2047	2.48	3.28	2.71
2049	2.47	3.29	2.71
2051	2.44	3.27	2.70

2053	2.44	3.26	2.69
2055	2.42	3.28	2.66
2057	2.40	3.24	2.70
2059	2.42	3.26	2.65
2061	2.42	3.23	2.69
2063	2.37	3.25	2.64
2065	2.40	3.24	2.66
2067	2.38	3.26	2.68
2069	2.42	3.27	2.66
2071	2.42	3.26	2.69
2073	2.44	3.26	2.72
2075	2.46	3.28	2.69
2077	2.49	3.28	2.71
2079	2.46	3.29	2.74
2081	2.50	3.33	2.76
2083	2.49	3.30	2.74
2085	2.48	3.32	2.76
2087	2.51	3.33	2.75
2089	2.51	3.30	2.74
2091	2.47	3.29	2.72
2093	2.46	2.58	2.72
2095	2.44	4.56	2.71
2097	2.43	5.55	2.90
2099	2.41	5.47	3.04
2101	2.43	5.46	3.21
2103	2.42	5.43	3.37
2105	2.47	5.42	3.47
2107	2.46	5.40	3.64
2109	2.51	5.39	3.73
2111	2.49	5.36	3.83
2113	2.54	5.38	3.91
2115	2.51	5.36	3.93
2117	2.55	5.32	3.91
2119	2.57	5.31	3.95
2121	2.52	5.29	3.98
2123	2.50	5.27	3.95
2125	2.49	5.22	3.97
2127	2.49	5.19	3.99
2129	2.50	5.19	3.99
2131	2.46	5.15	4.01
2133	2.47	5.11	3.99
2135	2.48	5.11	3.99
2137	2.49	5.12	4.00
2139	2.48	5.08	3.99
2141	2.51	5.07	3.99
2143	2.50	5.04	4.02
2145	2.53	5.04	4.03

2147	2.57	5.06	4.05
2149	2.52	5.02	4.03
2151	2.56	5.01	4.04
2153	2.55	5.02	4.06
2155	2.55	4.97	4.06
2157	2.56	4.97	4.06
2159	2.57	4.95	4.05
2161	2.55	4.92	4.04
2163	2.58	4.90	4.03
2165	2.51	4.88	4.03
2167	2.54	4.88	4.03
2169	2.51	4.85	4.01
2171	2.54	4.83	4.02
2173	2.52	4.81	4.01
2175	2.48	4.79	4.03
2177	2.53	4.77	4.05
2179	2.50	4.77	4.04
2181	2.52	4.77	4.04
2183	2.54	4.75	4.04
2185	2.52	4.73	4.06
2187	2.54	4.74	4.04
2189	2.54	4.74	4.04
2191	2.55	4.69	4.06
2193	2.54	4.69	4.07
2195	2.52	4.67	4.04
2197	2.53	4.68	4.04
2199	2.51	4.63	4.03
2201	2.55	4.62	4.06
2203	2.53	4.64	4.04
2205	2.53	4.60	4.06
2207	2.58	4.61	4.06
2209	2.55	4.59	4.04
2211	2.53	4.57	4.03
2213	2.57	4.58	4.05
2215	2.56	4.53	4.06
2217	2.55	4.55	4.04
2219	2.56	4.51	4.05
2221	2.58	4.52	4.07
2223	2.60	4.53	4.08
2225	2.61	4.52	4.09
2227	2.65	4.52	4.12
2229	2.65	4.50	4.09
2231	2.64	4.49	4.09
2233	2.66	4.51	4.13
2235	2.66	4.47	4.11
2237	2.68	4.46	4.10
2239	2.61	4.43	4.07

2241	2.61	4.41	4.05
2243	2.62	4.39	4.09
2245	2.57	4.40	4.03
2247	2.59	4.36	4.05
2249	2.60	4.36	4.06
2251	2.59	4.33	4.05
2253	2.65	4.40	4.10
2255	2.66	4.34	4.09
2257	2.68	4.35	4.10
2259	2.68	4.36	4.11
2261	2.69	4.33	4.12
2263	2.66	4.30	4.10
2265	2.64	4.30	4.10
2267	2.63	4.26	4.06
2269	2.65	4.27	4.07
2271	2.61	4.24	4.03
2273	2.61	4.24	4.06
2275	2.65	4.24	4.07
2277	2.65	4.22	4.08
2279	2.66	4.21	4.10
2281	2.66	4.23	4.11
2283	2.67	4.24	4.09
2285	2.70	4.26	4.12
2287	2.71	4.23	4.12
2289	2.68	4.25	4.08
2291	2.69	4.20	4.12
2293	2.68	4.17	4.09
2295	2.69	4.15	4.07
2297	2.66	4.15	4.07
2299	2.65	4.11	4.03
2301	2.64	4.13	4.05
2303	2.64	4.10	4.04
2305	2.61	4.08	4.01
2307	2.67	4.09	4.03
2309	2.62	4.06	4.01
2311	2.63	4.08	4.00
2313	2.63	4.07	4.02
2315	2.59	4.06	3.99
2317	2.66	4.04	4.04
2319	2.67	4.05	4.03
2321	2.63	4.03	3.97
2323	2.64	4.07	4.01
2325	2.65	4.02	4.01
2327	2.60	3.99	3.98
2329	2.66	4.01	4.00
2331	2.66	4.00	3.98
2333	2.64	3.98	4.00

2335	2.64	4.00	4.00
2337	2.64	3.99	3.96
2339	2.66	3.94	3.99
2341	2.67	3.98	4.01
2343	2.67	3.95	3.98
2345	2.65	3.95	3.99
2347	2.65	3.94	3.97
2349	2.64	3.93	3.95
2351	2.66	3.94	3.96
2353	2.66	3.92	3.96
2355	2.64	3.91	3.97
2357	2.64	3.91	3.95
2359	2.65	3.92	3.97
2361	2.65	3.90	3.93
2363	2.68	3.89	3.97
2365	2.65	3.88	3.94
2367	2.66	3.86	3.92
2369	2.66	3.89	3.94
2371	2.62	3.85	3.91
2373	2.69	3.88	3.92
2375	2.67	3.85	3.91
2377	2.66	3.86	3.92
2379	2.66	3.86	3.94
2381	2.66	3.83	3.90
2383	2.69	3.85	3.93
2385	2.70	3.87	3.92
2387	2.70	3.84	3.92
2389	2.72	3.85	3.93
2391	2.71	3.87	3.94
2393	2.72	3.88	3.94
2395	2.73	3.88	3.95
2397	2.75	3.85	3.93
2399	2.80	3.85	3.94
2401	2.77	3.87	3.93
2403	2.73	3.86	3.92
2405	2.77	3.84	3.94
2407	2.75	3.84	3.94
2409	2.75	3.81	3.90
2411	2.72	3.79	3.91
2413	2.73	3.78	3.86
2415	2.70	3.78	3.88
2417	2.72	3.78	3.86
2419	2.69	3.77	3.85
2421	2.71	3.78	3.85
2423	2.68	3.73	3.83
2425	2.65	3.74	3.85
2427	2.67	3.76	3.83

2429	2.69	3.74	3.80
2431	2.70	3.76	3.84
2433	2.67	3.77	3.82
2435	2.72	3.76	3.82
2437	2.74	3.75	3.85
2439	2.77	3.77	3.87
2441	2.76	3.77	3.83
2443	2.73	3.79	3.83
2445	2.76	3.77	3.85
2447	2.77	3.77	3.85
2449	2.80	3.80	3.85
2451	2.77	3.76	3.83
2453	2.77	3.74	3.83
2455	2.79	3.75	3.83
2457	2.77	3.74	3.80
2459	2.79	3.76	3.79
2461	2.79	3.74	3.79
2463	2.75	3.71	3.77
2465	2.74	3.72	3.77
2467	2.74	3.70	3.76
2469	2.71	3.68	3.74
2471	2.74	3.71	3.72
2473	2.71	3.69	3.74
2475	2.67	3.65	3.70
2477	2.72	3.68	3.76
2479	2.72	3.68	3.70
2481	2.69	3.69	3.72
2483	2.76	3.68	3.76
2485	2.75	3.70	3.73
2487	2.74	3.67	3.71
2489	2.74	3.68	3.72
2491	2.68	3.57	3.70
2493	2.76	2.38	3.67
2495	2.74	2.00	3.57
2497	2.75	1.24	3.40
2499	2.74	0.69	3.23
2501	2.80	0.65	3.07
2503	2.75	2.57	2.93
2505	2.75	0.29	2.81
2507	2.79	0.44	2.61
2509	2.77	0.76	2.47
2511	2.78	0.61	2.32
2513	2.77	1.19	2.18
2515	2.76	0.30	2.04
2517	2.78	-0.43	1.83
2519	2.81	0.79	1.72
2521	2.70	-0.00	1.54

2523	2.74	1.91	1.49
2525	2.73	2.70	1.44
2527	2.69	1.61	1.42
2529	2.69	1.71	1.42
2531	2.71	1.76	1.37
2533	2.70	1.73	1.38
2535	2.71	1.79	1.36
2537	2.69	1.80	1.33
2539	2.69	2.24	1.35
2541	2.73	2.00	1.36
2543	2.74	1.82	1.37
2545	2.72	1.95	1.37
2547	2.74	1.96	1.38
2549	2.73	2.06	1.36
2551	2.73	1.97	1.36
2553	2.75	2.07	1.37
2555	2.75	1.89	1.37
2557	2.77	2.17	1.39
2559	2.77	2.49	1.36
2561	2.68	1.98	1.38
2563	2.74	2.27	1.41
2565	2.70	1.95	1.37
2567	2.68	1.54	1.39
2569	2.69	2.23	1.41
2571	2.69	2.23	1.37
2573	2.72	2.23	1.40
2575	2.70	2.26	1.41
2577	2.62	2.24	1.39
2579	2.68	2.27	1.41
2581	2.66	2.29	1.43
2583	2.64	2.32	1.41
2585	2.66	2.33	1.43
2587	2.62	2.34	1.45
2589	2.61	2.35	1.44
2591	2.68	2.37	1.47
2593	2.63	2.38	1.50
2595	2.66	2.40	1.52
2597	2.68	2.42	1.53
2599	2.64	2.42	1.53
2601	2.65	2.45	1.57
2603	2.68	2.47	1.58
2605	2.68	2.51	1.60
2607	2.74	2.53	1.64
2609	2.71	2.55	1.66
2611	2.71	2.56	1.66
2613	2.72	2.59	1.71
2615	2.70	2.59	1.68

2617	2.72	2.60	1.70
2619	2.69	2.63	1.70
2621	2.64	2.60	1.69
2623	2.65	2.62	1.67
2625	2.64	2.61	1.70
2627	2.60	2.60	1.69
2629	2.63	2.65	1.74
2631	2.65	2.67	1.74
2633	2.62	2.65	1.77
2635	2.67	2.68	1.79
2637	2.66	2.72	1.82
2639	2.69	2.71	1.85
2641	2.70	2.76	1.87
2643	2.69	2.77	1.88
2645	2.74	2.80	1.89
2647	2.73	2.81	1.92
2649	2.71	2.80	1.94
2651	2.69	2.80	1.92
2653	2.70	2.81	1.94
2655	2.67	2.81	1.94
2657	2.64	2.81	1.92
2659	2.65	2.81	1.93
2661	2.64	2.78	1.94
2663	2.64	2.82	1.96
2665	2.60	2.83	1.96
2667	2.62	2.83	1.99
2669	2.66	2.87	2.01
2671	2.65	2.86	1.99
2673	2.63	2.89	2.06
2675	2.70	2.93	2.10
2677	2.69	2.94	2.11
2679	2.71	2.98	2.13
2681	2.70	2.99	2.14
2683	2.72	2.98	2.12
2685	2.72	2.98	2.15
2687	2.72	3.03	2.18
2689	2.69	3.01	2.20
2691	2.65	3.00	2.20
2693	2.71	3.05	2.21
2695	2.66	3.03	2.18
2697	2.65	3.04	2.20
2699	2.61	3.02	2.21
2701	2.62	3.01	2.21
2703	2.61	3.03	2.21
2705	2.62	3.04	2.23
2707	2.60	3.03	2.21
2709	2.62	3.05	2.25

2711	2.63	3.08	2.26
2713	2.62	3.08	2.25
2715	2.66	3.11	2.31
2717	2.69	3.10	2.31
2719	2.69	3.14	2.35
2721	2.70	3.17	2.36
2723	2.73	3.16	2.36
2725	2.71	3.15	2.41
2727	2.73	3.18	2.39
2729	2.70	3.18	2.39
2731	2.72	3.19	2.41
2733	2.70	3.21	2.44
2735	2.71	3.22	2.44
2737	2.68	3.21	2.45
2739	2.71	3.23	2.46
2741	2.70	3.22	2.44
2743	2.72	3.22	2.46
2745	2.73	3.25	2.48
2747	2.72	3.25	2.47
2749	2.69	3.26	2.50
2751	2.75	3.27	2.52
2753	2.69	3.26	2.51
2755	2.70	3.27	2.51
2757	2.69	3.28	2.52
2759	2.68	3.29	2.52
2761	2.68	3.30	2.52
2763	2.71	3.30	2.53
2765	2.66	3.29	2.52
2767	2.70	3.31	2.53
2769	2.66	3.33	2.56
2771	2.69	3.29	2.54
2773	2.66	3.30	2.54
2775	2.66	3.28	2.57
2777	2.64	3.29	2.52
2779	2.63	3.30	2.57
2781	2.66	3.30	2.60
2783	2.60	3.28	2.54
2785	2.64	3.32	2.61
2787	2.63	3.31	2.57
2789	2.62	3.31	2.59
2791	2.63	3.32	2.58
2793	2.65	3.34	2.61
2795	2.66	3.32	2.62
2797	2.65	3.33	2.63
2799	2.66	3.34	2.63
2801	2.65	3.34	2.63
2803	2.67	3.37	2.67

2805	2.71	3.41	2.69
2807	2.67	3.39	2.69
2809	2.71	3.40	2.73
2811	2.75	3.44	2.75
2813	2.70	3.42	2.71
2815	2.73	3.43	2.73
2817	2.72	3.42	2.74
2819	2.69	3.40	2.73
2821	2.70	3.42	2.72
2823	2.68	3.42	2.73
2825	2.68	3.42	2.69
2827	2.67	3.40	2.70
2829	2.63	3.42	2.72
2831	2.63	3.39	2.72
2833	2.63	3.41	2.72
2835	2.63	3.41	2.72
2837	2.61	3.40	2.73
2839	2.66	3.43	2.77
2841	2.67	3.42	2.77
2843	2.66	3.43	2.77
2845	2.71	3.48	2.81
2847	2.67	3.46	2.80
2849	2.71	3.49	2.81
2851	2.75	3.49	2.85
2853	2.71	3.50	2.85
2855	2.72	3.49	2.82
2857	2.71	3.52	2.85
2859	2.71	3.49	2.86
2861	2.67	3.49	2.80
2863	2.70	3.51	2.83
2865	2.67	3.48	2.79
2867	2.62	3.47	2.80
2869	2.65	3.47	2.81
2871	2.65	3.46	2.81
2873	2.60	3.46	2.80
2875	2.66	3.47	2.80
2877	2.62	3.47	2.83
2879	2.63	3.47	2.85
2881	2.65	3.47	2.84
2883	2.62	3.48	2.85
2885	2.64	3.47	2.84
2887	2.65	3.49	2.86
2889	2.67	3.48	2.83
2891	2.64	3.48	2.83
2893	2.67	3.47	2.84
2895	2.64	3.48	2.85
2897	2.63	3.47	2.84

2899	2.63	3.50	2.86
2901	2.65	3.53	2.86
2903	2.63	3.48	2.88
2905	2.62	3.47	2.86
2907	2.68	3.52	2.87
2909	2.63	3.50	2.88
2911	2.63	3.50	2.84
2913	2.67	3.52	2.91
2915	2.66	3.51	2.87
2917	2.64	3.52	2.90
2919	2.66	3.53	2.90
2921	2.67	3.51	2.91
2923	2.67	3.50	2.90
2925	2.68	3.54	2.91
2927	2.71	3.54	2.91
2929	2.68	3.53	2.91
2931	2.70	3.52	2.92
2933	2.71	3.56	2.95
2935	2.69	3.57	2.94
2937	2.69	3.58	2.98
2939	2.71	3.58	3.00
2941	2.73	3.63	2.97
2943	2.74	3.80	3.00
2945	2.74	3.91	3.01
2947	2.74	4.07	3.01
2949	2.75	4.25	3.07
2951	2.76	4.36	3.12
2953	2.73	4.46	3.17
2955	2.74	4.51	3.22
2957	2.73	4.56	3.23
2959	2.73	4.66	3.25
2961	2.73	4.73	3.35
2963	2.74	4.77	3.33
2965	2.69	4.82	3.39
2967	2.71	4.90	3.44
2969	2.65	4.93	3.51
2971	2.65	5.01	3.53
2973	2.65	5.07	3.58
2975	2.66	5.14	3.69
2977	2.65	5.18	3.72
2979	2.68	5.25	3.78
2981	2.67	5.33	3.85
2983	2.72	5.39	3.90
2985	2.74	5.48	4.00
2987	2.69	5.54	4.03
2989	2.70	5.60	4.09
2991	2.70	5.68	4.13

2993	2.70	5.75	4.18
2995	2.70	5.78	4.27
2997	2.73	5.86	4.33
2999	2.71	5.91	4.39
3001	2.72	5.98	4.46
3003	2.70	6.04	4.51
3005	2.69	6.08	4.56
3007	2.73	6.15	4.65
3009	2.71	6.19	4.72
3011	2.71	6.25	4.78
3013	2.73	6.32	4.85
3015	2.72	6.37	4.92
3017	2.75	6.42	4.98
3019	2.77	6.53	5.06
3021	2.73	6.58	5.10
3023	2.77	6.64	5.19
3025	2.76	6.71	5.24
3027	2.81	6.76	5.35
3029	2.82	6.81	5.41
3031	2.85	6.91	5.47
3033	2.81	6.96	5.50
3035	2.84	6.99	5.55
3037	2.83	7.04	5.57
3039	2.80	7.10	5.63
3041	2.84	7.16	5.67
3043	2.84	7.22	5.69
3045	2.84	7.25	5.76
3047	2.84	7.31	5.78
3049	2.79	7.36	5.82
3051	2.84	7.40	5.89
3053	2.82	7.46	5.95
3055	2.80	7.47	5.96
3057	2.82	7.53	6.03
3059	2.80	7.54	6.06
3061	2.78	7.58	6.09
3063	2.80	7.66	6.14
3065	2.79	7.68	6.21
3067	2.79	7.74	6.21
3069	2.79	7.75	6.30
3071	2.78	7.79	6.33
3073	2.76	7.84	6.36
3075	2.80	7.86	6.43
3077	2.77	7.93	6.42
3079	2.80	7.96	6.49
3081	2.84	8.00	6.54
3083	2.82	8.04	6.57
3085	2.84	8.09	6.63

3087	2.85	8.15	6.68
3089	2.85	8.17	6.69
3091	2.87	8.20	6.75
3093	2.90	8.24	6.77
3095	2.91	8.32	6.80
3097	2.92	8.38	6.84
3099	2.89	8.41	6.88
3101	2.90	8.44	6.90
3103	2.93	8.54	6.97
3105	2.88	8.54	6.96
3107	2.90	8.58	6.94
3109	2.91	8.66	6.98
3111	2.90	8.68	7.01
3113	2.90	8.71	7.00
3115	2.92	8.76	7.07
3117	2.90	8.82	7.04
3119	2.90	8.84	7.05
3121	2.89	8.92	7.10
3123	2.89	8.92	7.09
3125	2.87	8.98	7.10
3127	2.90	9.03	7.13
3129	2.88	9.09	7.16
3131	2.88	9.12	7.14
3133	2.89	9.19	7.18
3135	2.92	9.25	7.18
3137	2.88	9.29	7.20
3139	2.95	9.36	7.20
3141	2.87	9.43	7.23
3143	2.91	9.50	7.24
3145	2.92	9.56	7.31
3147	2.91	9.59	7.30
3149	2.88	9.64	7.31
3151	2.89	9.70	7.34
3153	2.94	9.74	7.37
3155	2.90	9.78	7.36
3157	2.91	9.82	7.42
3159	2.94	9.90	7.42
3161	2.92	9.95	7.45
3163	2.91	9.98	7.48
3165	2.94	10.02	7.52
3167	2.90	10.09	7.54
3169	2.93	10.12	7.55
3171	2.93	10.18	7.62
3173	2.96	10.23	7.64
3175	2.93	10.29	7.68
3177	2.99	10.32	7.71
3179	2.97	10.36	7.75

3181	2.92	10.41	7.77
3183	2.94	10.45	7.81
3185	2.95	10.53	7.87
3187	2.94	10.56	7.88
3189	2.99	10.62	7.93
3191	2.95	10.64	7.94
3193	3.00	10.70	7.99
3195	2.99	10.75	8.04
3197	3.00	10.84	8.09
3199	3.03	10.88	8.11
3201	3.02	10.96	8.18
3203	3.03	10.99	8.21
3205	3.00	11.05	8.27
3207	3.06	11.15	8.34
3209	3.05	11.22	8.39
3211	3.07	11.27	8.46
3213	3.08	11.31	8.49
3215	3.04	11.36	8.58
3217	3.06	11.40	8.62
3219	3.09	11.49	8.65
3221	3.06	11.54	8.73
3223	3.11	11.57	8.76
3225	3.08	11.65	8.84
3227	3.07	11.66	8.88
3229	3.04	11.70	8.92
3231	3.04	11.78	9.00
3233	3.05	11.83	9.03
3235	3.05	11.89	9.06
3237	3.04	11.91	9.12
3239	3.06	11.99	9.16
3241	3.03	12.02	9.22
3243	3.07	12.10	9.27
3245	3.06	12.17	9.35
3247	3.07	12.21	9.41
3249	3.12	12.27	9.46
3251	3.14	12.32	9.55
3253	3.10	12.37	9.59
3255	3.11	12.42	9.71
3257	3.13	12.50	9.79
3259	3.11	12.53	9.87
3261	3.11	12.58	9.96
3263	3.15	12.64	10.05
3265	3.14	12.68	10.12
3267	3.13	12.72	10.21
3269	3.14	12.81	10.30
3271	3.13	12.81	10.41
3273	3.15	12.85	10.47

3275	3.14	12.91	10.57
3277	3.13	12.94	10.63
3279	3.15	12.99	10.74
3281	3.16	13.03	10.94
3283	3.16	13.08	11.09
3285	3.11	13.11	11.25
3287	3.11	13.12	11.42
3289	3.06	13.13	11.56
3291	3.10	13.19	11.68
3293	3.07	13.27	11.75
3295	3.05	13.26	11.78
3297	3.10	13.35	11.79
3299	3.12	13.40	11.80
3301	3.10	13.44	11.81
3303	3.11	13.50	11.83
3305	3.18	13.54	11.89
3307	3.15	13.61	11.92
3309	3.19	13.65	11.92
3311	3.19	13.70	11.95
3313	3.15	13.73	11.96
3315	3.18	13.78	12.00
3317	3.20	13.86	12.05
3319	3.22	13.88	12.07
3321	3.20	13.92	12.10
3323	3.23	13.95	12.13
3325	3.23	13.99	12.16
3327	3.22	14.04	12.19
3329	3.23	14.08	12.25
3331	3.19	14.13	12.26
3333	3.21	14.16	12.28
3335	3.20	14.22	12.30
3337	3.20	14.24	12.31
3339	3.20	14.29	12.34
3341	3.20	14.30	12.36
3343	3.18	14.35	12.38
3345	3.17	14.41	12.44
3347	3.20	14.47	12.47
3349	3.18	14.51	12.50
3351	3.16	14.56	12.52
3353	3.19	14.62	12.59
3355	3.18	14.68	12.60
3357	3.16	14.71	12.62
3359	3.17	14.79	12.65
3361	3.14	14.83	12.69
3363	3.17	14.88	12.72
3365	3.20	14.94	12.79
3367	3.17	15.01	12.81

3369	3.18	15.05	12.84
3371	3.21	15.12	12.91
3373	3.23	15.16	12.93
3375	3.22	15.23	13.00
3377	3.26	15.28	13.07
3379	3.25	15.37	13.12
3381	3.26	15.41	13.14
3383	3.27	15.46	13.21
3385	3.27	15.54	13.30
3387	3.29	15.58	13.32
3389	3.30	15.64	13.37
3391	3.30	15.68	13.48
3393	3.26	15.71	13.50
3395	3.28	15.75	13.64
3397	3.29	15.81	13.70
3399	3.26	15.87	13.75
3401	3.30	15.93	13.87
3403	3.25	15.97	13.92
3405	3.27	16.02	14.01
3407	3.31	16.07	14.12
3409	3.28	16.10	14.20
3411	3.26	16.16	14.27
3413	3.31	16.23	14.35
3415	3.28	16.25	14.44
3417	3.31	16.28	14.52
3419	3.29	16.33	14.63
3421	3.27	16.38	14.80
3423	3.27	16.42	14.96
3425	3.28	16.47	15.11
3427	3.26	16.49	15.30
3429	3.28	16.57	15.41
3431	3.27	16.57	15.53
3433	3.20	16.61	15.55
3435	3.25	16.63	15.59
3437	3.26	16.70	15.59
3439	3.24	16.71	15.59
3441	3.29	16.80	15.61
3443	3.26	16.82	15.62
3445	3.27	16.88	15.65
3447	3.32	16.96	15.68
3449	3.30	17.00	15.68
3451	3.28	17.03	15.74
3453	3.33	17.09	15.74
3455	3.31	17.12	15.76
3457	3.33	17.17	15.80
3459	3.35	17.23	15.82
3461	3.34	17.25	15.83

3463	3.34	17.30	15.87
3465	3.35	17.34	15.90
3467	3.33	17.37	15.91
3469	3.35	17.46	15.94
3471	3.34	17.47	15.96
3473	3.33	17.50	16.01
3475	3.32	17.57	16.03
3477	3.28	17.58	16.02
3479	3.28	17.63	16.08
3481	3.30	17.66	16.12
3483	3.27	17.69	16.13
3485	3.30	17.75	16.19
3487	3.29	17.78	16.18
3489	3.29	17.81	16.20
3491	3.28	17.85	16.25
3493	3.32	17.88	16.27
3495	3.29	17.89	16.26
3497	3.32	17.93	16.33
3499	3.36	18.01	16.37
3501	3.32	18.03	16.38
3503	3.31	18.04	16.43
3505	3.33	18.12	16.49
3507	3.35	18.17	16.51
3509	3.32	18.18	16.57
3511	3.30	18.25	16.58
3513	3.32	18.28	16.63
3515	3.33	18.31	16.65
3517	3.31	18.35	16.68
3519	3.35	18.40	16.75
3521	3.34	18.43	16.78
3523	3.35	18.50	16.83
3525	3.32	18.51	16.84
3527	3.33	18.53	16.90
3529	3.37	18.63	16.95
3531	3.37	18.66	16.98
3533	3.37	18.72	17.05
3535	3.37	18.78	17.11
3537	3.37	18.80	17.14
3539	3.37	18.85	17.19
3541	3.37	18.93	17.23
3543	3.37	18.96	17.27
3545	3.42	19.03	17.34
3547	3.41	19.04	17.34
3549	3.43	19.12	17.44
3551	3.43	19.17	17.47
3553	3.41	19.19	17.47
3555	3.42	19.25	17.54

3557	3.41	19.27	17.55
3559	3.39	19.28	17.61
3561	3.39	19.35	17.68
3563	3.36	19.35	17.71
3565	3.40	19.42	17.74
3567	3.35	19.46	17.77
3569	3.37	19.48	17.80
3571	3.37	19.51	17.87
3573	3.38	19.57	17.91
3575	3.34	19.62	17.92
3577	3.36	19.63	17.98
3579	3.35	19.68	18.03
3581	3.35	19.72	18.07
3583	3.40	19.75	18.10
3585	3.39	19.80	18.16
3587	3.37	19.86	18.21
3589	3.40	19.88	18.26
3591	3.42	19.93	18.30
3593	3.38	19.95	18.34
3595	3.40	20.00	18.41
3597	3.40	20.04	18.47
3599	3.46	20.08	18.53
3601	3.47	20.11	18.61
3603	3.45	20.17	18.62
3605	3.47	20.24	18.72
3607	3.47	20.29	18.74
3609	3.47	20.29	18.76
3611	3.45	20.36	18.83
3613	3.50	20.40	18.85
3615	3.49	20.43	18.90
3617	3.48	20.47	18.95
3619	3.48	20.50	18.99
3621	3.46	20.53	19.03
3623	3.49	20.58	19.10
3625	3.46	20.59	19.11
3627	3.44	20.63	19.14
3629	3.42	20.62	19.18
3631	3.44	20.66	19.19
3633	3.42	20.70	19.27
3635	3.42	20.76	19.26
3637	3.41	20.73	19.29
3639	3.41	20.78	19.36
3641	3.42	20.81	19.43
3643	3.42	20.84	19.45
3645	3.42	20.85	19.46
3647	3.45	20.87	19.49
3649	3.42	20.92	19.55

3651	3.43	20.96	19.58
3653	3.46	21.00	19.65
3655	3.46	21.03	19.71
3657	3.46	21.05	19.74
3659	3.49	21.13	19.84
3661	3.48	21.16	19.89
3663	3.51	21.17	19.90
3665	3.51	21.20	19.97
3667	3.51	21.23	19.99
3669	3.52	21.27	20.05
3671	3.55	21.27	20.10
3673	3.49	21.28	20.10
3675	3.53	21.34	20.16
3677	3.51	21.37	20.18
3679	3.46	21.39	20.22
3681	3.51	21.42	20.22
3683	3.52	21.44	20.31
3685	3.44	21.46	20.27
3687	3.48	21.49	20.32
3689	3.46	21.50	20.37
3691	3.45	21.51	20.38
3693	3.47	21.56	20.44
3695	3.45	21.58	20.46
3697	3.47	21.59	20.52
3699	3.49	21.61	20.56
3701	3.49	21.63	20.56
3703	3.49	21.67	20.59
3705	3.51	21.71	20.63
3707	3.49	21.70	20.67
3709	3.47	21.73	20.69
3711	3.50	21.81	20.76
3713	3.51	21.80	20.79
3715	3.48	21.82	20.80
3717	3.52	21.87	20.85
3719	3.55	21.90	20.89
3721	3.56	21.90	20.95
3723	3.56	21.94	20.92
3725	3.58	22.00	20.99
3727	3.56	22.00	21.04
3729	3.60	22.01	21.06
3731	3.60	22.03	21.12
3733	3.62	22.06	21.13
3735	3.58	22.08	21.17
3737	3.60	22.12	21.17
3739	3.57	22.11	21.20
3741	3.56	22.14	21.25
3743	3.56	22.18	21.23

3745	3.53	22.18	21.28
3747	3.53	22.21	21.31
3749	3.54	22.18	21.34
3751	3.50	22.23	21.34
3753	3.53	22.26	21.37
3755	3.52	22.24	21.36
3757	3.48	22.27	21.43
3759	3.51	22.29	21.46
3761	3.49	22.30	21.42
3763	3.50	22.30	21.55
3765	3.53	22.33	21.55
3767	3.53	22.35	21.55
3769	3.55	22.39	21.60
3771	3.54	22.40	21.67
3773	3.58	22.41	21.72
3775	3.58	22.44	21.73
3777	3.61	22.46	21.72
3779	3.62	22.47	21.78
3781	3.61	22.45	21.80
3783	3.57	22.48	21.77
3785	3.57	22.45	21.82
3787	3.52	22.47	21.79
3789	3.54	22.46	21.83
3791	3.55	22.46	21.86
3793	3.54	22.48	21.87
3795	3.60	22.50	21.93
3797	3.56	22.47	21.96
3799	3.62	22.49	22.00
3801	3.64	22.52	22.03
3803	3.64	22.47	22.01
3805	3.65	22.44	22.01
3807	3.59	22.41	22.01
3809	3.59	22.38	22.02
3811	3.54	22.37	22.03
3813	3.52	22.31	22.00
3815	3.57	22.32	22.03
3817	3.55	22.31	22.03
3819	3.56	22.29	22.08
3821	3.57	22.32	22.07
3823	3.60	22.29	22.10
3825	3.64	22.32	22.14
3827	3.62	22.33	22.16
3829	3.65	22.34	22.14
3831	3.64	22.32	22.19
3833	3.62	22.37	22.17
3835	3.65	22.33	22.22
3837	3.66	22.35	22.26

3839	3.65	22.36	22.23
3841	3.70	22.38	22.25
3843	3.66	22.39	22.26
3845	3.64	22.38	22.25
3847	3.64	22.36	22.29
3849	3.68	22.34	22.25
3851	3.62	22.38	22.27
3853	3.63	22.40	22.26
3855	3.61	22.40	22.29
3857	3.63	22.42	22.25
3859	3.61	22.43	22.28
3861	3.57	22.44	22.27
3863	3.58	22.46	22.29
3865	3.58	22.48	22.26
3867	3.57	22.41	22.30
3869	3.59	22.50	22.29
3871	3.57	22.52	22.30
3873	3.59	22.48	22.34
3875	3.62	22.52	22.32
3877	3.59	22.52	22.29
3879	3.58	22.56	22.32
3881	3.61	22.58	22.36
3883	3.60	22.55	22.37
3885	3.62	22.61	22.37
3887	3.61	22.63	22.37
3889	3.59	22.67	22.38
3891	3.60	22.68	22.44
3893	3.59	22.67	22.43
3895	3.63	22.69	22.43
3897	3.62	22.71	22.40
3899	3.65	22.73	22.46
3901	3.65	22.75	22.46
3903	3.63	22.81	22.48
3905	3.65	22.79	22.51
3907	3.64	22.78	22.48
3909	3.65	22.82	22.51
3911	3.64	22.87	22.47
3913	3.61	22.82	22.56
3915	3.63	22.82	22.54
3917	3.60	22.90	22.54
3919	3.63	22.88	22.55
3921	3.61	22.91	22.58
3923	3.60	22.93	22.58
3925	3.62	22.94	22.58
3927	3.62	22.95	22.62
3929	3.61	22.95	22.63
3931	3.66	23.07	22.67

3933	3.64	23.05	22.63
3935	3.64	23.05	22.69
3937	3.66	23.11	22.71
3939	3.68	23.09	22.73
3941	3.68	23.16	22.72
3943	3.68	23.18	22.79
3945	3.69	23.17	22.80
3947	3.73	23.22	22.79
3949	3.72	23.29	22.85
3951	3.69	23.28	22.84
3953	3.73	23.34	22.89
3955	3.68	23.29	22.87
3957	3.73	23.33	22.90
3959	3.74	23.40	22.93
3961	3.71	23.36	22.94
3963	3.73	23.42	22.97
3965	3.74	23.50	22.99
3967	3.72	23.48	22.97
3969	3.72	23.55	23.02
3971	3.71	23.58	23.08
3973	3.71	23.65	23.11
3975	3.71	23.74	23.07
3977	3.74	23.68	23.13
3979	3.70	23.71	23.13
3981	3.74	23.83	23.19
3983	3.76	23.85	23.23
3985	3.70	23.90	23.25
3987	3.77	23.96	23.27
3989	3.73	23.94	23.29
3991	3.72	23.99	23.29
3993	3.71	24.05	23.35
3995	3.74	24.02	23.35
3997	3.70	24.07	23.36
3999	3.74	24.05	23.43
4001	3.72	24.13	23.47
4003	3.68	24.07	23.46
4005	3.72	24.16	23.47
4007	3.68	24.19	23.50
4009	3.70	24.19	23.56
4011	3.73	24.25	23.59
4013	3.70	24.26	23.63
4015	3.75	24.30	23.69
4017	3.71	24.38	23.74
4019	3.69	24.39	23.72
4021	3.75	24.40	23.76
4023	3.71	24.42	23.82
4025	3.71	24.45	23.87

4027	3.71	24.53	23.93
4029	3.72	24.55	23.94
4031	3.70	24.65	24.01
4033	3.73	24.70	24.05
4035	3.73	24.62	24.06
4037	3.74	24.70	24.12
4039	3.74	24.68	24.17
4041	3.73	24.74	24.19
4043	3.73	24.76	24.22
4045	3.72	24.80	24.30
4047	3.72	24.81	24.31
4049	3.74	24.84	24.36
4051	3.70	24.86	24.38
4053	3.67	24.87	24.38
4055	3.70	24.93	24.40
4057	3.67	24.94	24.48
4059	3.65	24.97	24.43
4061	3.69	24.96	24.53
4063	3.70	24.99	24.55
4065	3.63	25.06	24.59
4067	3.69	25.07	24.63
4069	3.65	25.06	24.64
4071	3.64	25.09	24.66
4073	3.70	25.12	24.72
4075	3.67	25.15	24.75
4077	3.65	25.18	24.76
4079	3.68	25.21	24.82
4081	3.70	25.23	24.83
4083	3.66	25.24	24.89
4085	3.67	25.25	24.91
4087	3.74	25.24	24.93
4089	3.71	25.27	24.94
4091	3.69	25.28	24.92
4093	3.73	25.30	25.02
4095	3.68	25.26	25.06
4097	3.70	25.29	25.06
4099	3.73	25.28	25.13
4101	3.68	25.28	25.14
4103	3.70	25.28	25.15
4105	3.70	25.34	25.18
4107	3.68	25.33	25.16
4109	3.68	25.34	25.21
4111	3.70	25.37	25.24
4113	3.66	25.32	25.28
4115	3.71	25.36	25.33
4117	3.73	25.33	25.35
4119	3.72	25.38	25.37

4121	3.74	25.38	25.35
4123	3.72	25.31	25.38
4125	3.69	25.36	25.39
4127	3.77	25.34	25.41
4129	3.72	25.36	25.43
4131	3.73	25.35	25.47
4133	3.76	25.35	25.50
4135	3.73	25.35	25.53
4137	3.71	25.34	25.47
4139	3.69	25.33	25.47
4141	3.70	25.28	25.49
4143	3.69	25.35	25.48
4145	3.67	25.36	25.51
4147	3.69	25.31	25.52
4149	3.67	25.34	25.52
4151	3.67	25.32	25.55
4153	3.65	25.31	25.54
4155	3.67	25.35	25.54
4157	3.67	25.32	25.57
4159	3.69	25.28	25.58
4161	3.68	25.30	25.57
4163	3.62	25.26	25.56
4165	3.69	25.28	25.60
4167	3.69	25.29	25.62
4169	3.64	25.26	25.61
4171	3.64	25.26	25.63
4173	3.66	25.24	25.62
4175	3.65	25.26	25.63
4177	3.65	25.24	25.63
4179	3.64	25.21	25.64
4181	3.67	25.22	25.66
4183	3.62	25.22	25.63
4185	3.64	25.20	25.68
4187	3.63	25.18	25.68
4189	3.62	25.16	25.67
4191	3.62	25.13	25.69
4193	3.61	25.15	25.67
4195	3.64	25.12	25.72
4197	3.66	25.12	25.70
4199	3.64	25.10	25.74
4201	3.67	25.10	25.75
4203	3.64	25.07	25.74
4205	3.64	25.06	25.73
4207	3.64	25.07	25.78
4209	3.62	25.03	25.76
4211	3.65	25.04	25.81
4213	3.62	25.03	25.75

4215	3.61	25.00	25.76
4217	3.65	24.97	25.82
4219	3.62	24.96	25.79
4221	3.64	24.93	25.74
4223	3.61	24.95	25.78
4225	3.60	24.90	25.78
4227	3.60	24.90	25.79
4229	3.61	24.91	25.83
4231	3.61	24.87	25.81
4233	3.64	24.86	25.83
4235	3.69	24.85	25.89
4237	3.66	24.84	25.86
4239	3.68	24.88	25.91
4241	3.70	24.89	25.91
4243	3.68	24.92	25.88
4245	3.72	24.92	25.92
4247	3.69	24.95	25.92
4249	3.68	25.00	25.93
4251	3.65	25.06	25.89
4253	3.59	25.13	25.84
4255	3.61	25.19	25.88
4257	3.58	25.24	25.87
4259	3.62	25.32	25.89
4261	3.62	25.41	25.92
4263	3.61	25.46	25.94
4265	3.66	25.51	25.92
4267	3.66	25.57	25.95
4269	3.66	25.61	25.98
4271	3.71	25.71	26.01
4273	3.70	25.77	26.03
4275	3.66	25.78	25.99
4277	3.69	25.85	26.08
4279	3.66	25.89	26.02
4281	3.63	25.93	26.02
4283	3.61	26.00	26.05
4285	3.61	26.06	26.06
4287	3.59	26.13	26.10
4289	3.58	26.17	26.07
4291	3.60	26.23	26.15
4293	3.60	26.28	26.13
4295	3.59	26.36	26.19
4297	3.61	26.42	26.22
4299	3.60	26.48	26.21
4301	3.62	26.54	26.29
4303	3.67	26.62	26.34
4305	3.63	26.66	26.35
4307	3.67	26.73	26.45

4309	3.66	26.80	26.44
4311	3.64	26.83	26.49
4313	3.69	26.89	26.57
4315	3.66	26.99	26.56
4317	3.66	26.99	26.65
4319	3.70	27.08	26.68
4321	3.68	27.12	26.72
4323	3.68	27.16	26.76
4325	3.70	27.22	26.79
4327	3.65	27.27	26.84
4329	3.68	27.35	26.91
4331	3.66	27.41	26.93
4333	3.66	27.45	26.97
4335	3.71	27.52	27.02
4337	3.65	27.56	27.06
4339	3.68	27.63	27.13
4341	3.63	27.67	27.18
4343	3.66	27.72	27.22
4345	3.65	27.74	27.29
4347	3.64	27.80	27.34
4349	3.64	27.85	27.42
4351	3.66	27.91	27.45
4353	3.66	27.95	27.51
4355	3.65	27.99	27.57
4357	3.61	28.02	27.61
4359	3.63	28.08	27.66
4361	3.64	28.14	27.75
4363	3.62	28.17	27.80
4365	3.57	28.24	27.84
4367	3.63	28.26	27.93
4369	3.59	28.32	27.97
4371	3.57	28.36	28.01
4373	3.59	28.42	28.10
4375	3.61	28.46	28.11
4377	3.58	28.51	28.20
4379	3.59	28.55	28.26
4381	3.60	28.58	28.31
4383	3.60	28.63	28.38
4385	3.58	28.69	28.38
4387	3.58	28.73	28.43
4389	3.60	28.77	28.50
4391	3.57	28.81	28.53
4393	3.60	28.86	28.59
4395	3.61	28.93	28.63
4397	3.59	28.94	28.69
4399	3.62	29.00	28.73
4401	3.59	29.04	28.78

4403	3.62	29.05	28.84
4405	3.62	29.11	28.91
4407	3.62	29.17	28.92
4409	3.67	29.22	29.04
4411	3.63	29.27	29.12
4413	3.63	29.32	29.13
4415	3.65	29.37	29.20
4417	3.67	29.41	29.21
4419	3.64	29.47	29.29
4421	3.66	29.50	29.38
4423	3.69	29.50	29.38
4425	3.70	29.57	29.46
4427	3.70	29.60	29.50
4429	3.63	29.65	29.50
4431	3.67	29.67	29.58
4433	3.66	29.69	29.64
4435	3.63	29.71	29.63
4437	3.62	29.74	29.74
4439	3.57	29.77	29.70
4441	3.62	29.79	29.80
4443	3.60	29.83	29.84
4445	3.55	29.87	29.89
4447	3.58	29.91	29.90
4449	3.57	29.94	29.93
4451	3.58	29.98	29.99
4453	3.60	30.03	30.07
4455	3.59	30.09	30.07
4457	3.58	30.11	30.12
4459	3.64	30.17	30.17
4461	3.61	30.21	30.21
4463	3.66	30.26	30.26
4465	3.71	30.31	30.33
4467	3.66	30.33	30.37
4469	3.66	30.37	30.45
4471	3.69	30.41	30.53
4473	3.65	30.44	30.56
4475	3.67	30.50	30.59
4477	3.69	30.54	30.66
4479	3.66	30.55	30.66
4481	3.67	30.60	30.73
4483	3.65	30.62	30.76
4485	3.64	30.63	30.76
4487	3.69	30.65	30.78
4489	3.62	30.69	30.83
4491	3.62	30.70	30.86
4493	3.61	30.74	30.98
4495	3.63	30.76	30.97

4497	3.59	30.76	30.98
4499	3.60	30.81	31.04
4501	3.54	30.82	31.07
4503	3.59	30.89	31.09
4505	3.59	30.92	31.12
4507	3.60	30.95	31.18
4509	3.64	30.99	31.21
4511	3.66	31.03	31.29
4513	3.62	31.05	31.35
4515	3.69	31.08	31.37
4517	3.67	31.11	31.44
4519	3.68	31.10	31.45
4521	3.69	31.16	31.53
4523	3.66	31.14	31.52
4525	3.70	31.17	31.58
4527	3.67	31.18	31.56
4529	3.66	31.18	31.62
4531	3.66	31.21	31.62
4533	3.64	31.23	31.64
4535	3.61	31.21	31.67
4537	3.65	31.23	31.72
4539	3.59	31.24	31.70
4541	3.60	31.26	31.77
4543	3.60	31.26	31.78
4545	3.58	31.27	31.79
4547	3.60	31.31	31.83
4549	3.58	31.30	31.85
4551	3.58	31.31	31.91
4553	3.61	31.30	31.92
4555	3.57	31.35	31.92
4557	3.62	31.34	31.98
4559	3.59	31.34	31.97
4561	3.59	31.33	32.01
4563	3.60	31.36	32.06
4565	3.60	31.36	32.05
4567	3.62	31.37	32.07
4569	3.59	31.38	32.07
4571	3.60	31.35	32.12
4573	3.63	31.37	32.20
4575	3.57	31.35	32.22
4577	3.63	31.36	32.21
4579	3.62	31.37	32.20
4581	3.60	31.35	32.25
4583	3.61	31.32	32.26
4585	3.64	31.31	32.23
4587	3.65	31.32	32.27
4589	3.62	31.31	32.24

4591	3.62	31.29	32.29
4593	3.64	31.29	32.35
4595	3.66	31.28	32.34
4597	3.68	31.27	32.37
4599	3.67	31.25	32.38
4601	3.68	31.25	32.39
4603	3.70	31.23	32.39
4605	3.69	31.22	32.37
4607	3.72	31.18	32.41
4609	3.66	31.15	32.45
4611	3.65	31.12	32.41
4613	3.66	31.14	32.42
4615	3.61	31.10	32.41
4617	3.61	31.05	32.40
4619	3.61	31.03	32.40
4621	3.59	31.02	32.42
4623	3.59	30.99	32.44
4625	3.56	30.98	32.42
4627	3.60	30.99	32.45
4629	3.58	30.96	32.44
4631	3.60	30.94	32.41
4633	3.57	30.93	32.47
4635	3.60	30.91	32.44
4637	3.60	30.91	32.45
4639	3.61	30.91	32.47
4641	3.60	30.88	32.49
4643	3.59	30.88	32.48
4645	3.60	30.85	32.47
4647	3.59	30.86	32.50
4649	3.57	30.79	32.51
4651	3.61	30.83	32.53
4653	3.59	30.80	32.47
4655	3.61	30.75	32.53
4657	3.57	30.76	32.51
4659	3.61	30.71	32.51
4661	3.62	30.67	32.54
4663	3.61	30.64	32.54
4665	3.65	30.66	32.56
4667	3.66	30.60	32.58
4669	3.66	30.56	32.57
4671	3.69	30.55	32.61
4673	3.67	30.51	32.59
4675	3.69	30.46	32.66
4677	3.70	30.43	32.64
4679	3.68	30.38	32.61
4681	3.73	30.36	32.66
4683	3.61	30.28	32.60

4685	3.65	30.23	32.59
4687	3.61	30.18	32.58
4689	3.58	30.15	32.54
4691	3.60	30.14	32.60
4693	3.59	30.10	32.61
4695	3.64	30.07	32.60
4697	3.66	30.03	32.59
4699	3.71	31.10	32.63
4701	3.72	30.46	32.67
4703	3.68	29.98	32.66
4705	3.69	29.93	32.71
4707	3.68	30.00	32.68
4709	3.63	29.92	32.63
4711	3.66	29.76	32.64
4713	3.62	29.77	32.62
4715	3.62	29.22	32.61
4717	3.61	29.85	32.63
4719	3.62	29.60	32.58
4721	3.61	29.57	32.63
4723	3.66	29.53	32.67
4725	3.67	29.51	32.60
4727	3.71	29.48	32.62
4729	3.65	29.43	32.60
4731	3.70	30.44	32.61
4733	3.73	29.19	32.64
4735	3.70	29.40	32.61
4737	3.76	29.36	32.60
4739	3.72	30.06	32.59
4741	3.74	29.24	32.61
4743	3.71	29.29	32.56
4745	3.69	29.21	32.56
4747	3.73	29.23	32.52
4749	3.68	29.16	32.49
4751	3.70	29.11	32.47
4753	3.72	29.08	32.42
4755	3.69	29.05	32.42
4757	3.65	29.73	32.37
4759	3.66	29.20	32.38
4761	3.62	28.97	32.33
4763	3.64	29.31	32.31
4765	3.64	30.01	32.38
4767	3.65	28.77	32.45
4769	3.61	33.88	32.66
4771	3.63	33.47	32.82
4773	3.58	31.22	33.02
4775	3.64	31.37	33.04
4777	3.65	31.16	33.15

4779	3.60	31.11	33.16
4781	3.66	31.09	33.29
4783	3.64	31.08	33.28
4785	3.65	31.01	33.33
4787	3.68	30.97	33.38
4789	3.68	30.94	33.40
4791	3.67	30.90	33.44
4793	3.72	30.84	33.46
4795	3.73	30.81	33.44
4797	3.70	30.76	33.47
4799	3.69	30.74	33.47
4801	3.68	30.68	33.47
4803	3.70	30.68	33.45
4805	3.72	30.63	33.48
4807	3.69	30.58	33.42
4809	3.67	30.54	33.46
4811	3.70	30.53	33.43
4813	3.67	30.48	33.41
4815	3.70	30.46	33.45
4817	3.68	30.40	33.45
4819	3.70	30.36	33.43
4821	3.70	30.35	33.43
4823	3.69	30.32	33.39
4825	3.68	30.27	33.39
4827	3.65	30.21	33.38
4829	3.67	30.19	33.32
4831	3.70	30.17	33.37
4833	3.68	30.11	33.37
4835	3.67	30.08	33.35
4837	3.69	30.03	33.32
4839	3.67	29.98	33.28
4841	3.70	29.96	33.33
4843	3.68	29.94	33.27
4845	3.65	29.89	33.21
4847	3.69	29.85	33.26
4849	3.65	29.82	33.18
4851	3.66	29.77	33.13
4853	3.67	29.72	33.17
4855	3.67	29.70	33.10
4857	3.66	29.66	33.09
4859	3.69	29.64	33.11
4861	3.68	29.58	33.03
4863	3.71	29.57	33.00
4865	3.70	29.54	32.99
4867	3.69	29.51	32.97
4869	3.67	29.46	32.95
4871	3.68	29.46	32.91

4873	3.68	29.40	32.90
4875	3.71	29.36	32.87
4877	3.67	29.33	32.84
4879	3.69	29.29	32.77
4881	3.69	29.26	32.78
4883	3.66	29.21	32.71
4885	3.64	29.15	32.65
4887	3.69	29.15	32.67
4889	3.62	29.09	32.57
4891	3.64	29.08	32.54
4893	3.65	29.01	32.52
4895	3.57	28.94	32.46
4897	3.59	28.91	32.44
4899	3.62	28.83	32.42
4901	3.61	28.76	32.36
4903	3.61	28.65	32.29
4905	3.64	28.49	32.26
4907	3.60	28.27	32.22
4909	3.62	28.01	32.14
4911	3.69	27.31	32.05
4913	3.68	24.93	31.91
4915	3.67	24.38	31.73
4917	3.69	26.45	31.52
4919	3.71	23.93	31.27
4921	3.69	23.72	31.02
4923	3.71	24.29	30.82
4925	3.71	24.75	30.59
4927	3.65	23.09	30.40
4929	3.71	23.55	30.17
4931	3.64	23.24	29.92
4933	3.66	23.22	29.69
4935	3.66	23.05	29.49
4937	3.61	23.24	29.26
4939	3.59	23.67	29.07
4941	3.64	23.70	28.96
4943	3.59	23.80	28.82
4945	3.62	24.11	28.68
4947	3.63	23.76	28.59
4949	3.64	23.89	28.48
4951	3.68	23.94	28.37
4953	3.66	23.76	28.25
4955	3.66	23.50	28.12
4957	3.71	23.73	28.04
4959	3.69	23.68	27.92
4961	3.69	23.53	27.85
4963	3.73	23.59	27.75
4965	3.64	23.77	27.65

4967	3.66	23.92	27.55
4969	3.66	23.24	27.44
4971	3.63	22.98	27.31
4973	3.63	23.44	27.19
4975	3.61	23.39	27.15
4977	3.61	23.35	27.03
4979	3.64	23.35	27.01
4981	3.62	23.32	26.93
4983	3.69	23.31	26.88
4985	3.69	23.27	26.79
4987	3.70	23.25	26.75
4989	3.70	23.20	26.69
4991	3.70	23.17	26.60
4993	3.67	23.12	26.50
4995	3.66	23.10	26.46
4997	3.61	23.10	26.35
4999	3.60	23.11	26.30
5001	3.62	23.17	26.24
5003	3.60	23.16	26.22
5005	3.62	23.15	26.16
5007	3.63	23.15	26.12
5009	3.67	23.15	26.10
5011	3.66	23.16	26.08
5013	3.69	23.16	26.05
5015	3.66	23.16	26.01
5017	3.69	23.18	25.98
5019	3.68	23.17	25.96
5021	3.74	23.19	25.93
5023	3.70	23.26	25.88
5025	3.73	23.24	25.87
5027	3.70	23.26	25.85
5029	3.69	23.25	25.82
5031	3.73	23.22	25.80
5033	3.70	23.22	25.78
5035	3.69	23.27	25.75
5037	3.70	23.34	25.75
5039	3.67	23.40	25.74
5041	3.69	23.44	25.72
5043	3.67	23.55	25.72
5045	3.70	23.63	25.70
5047	3.68	23.80	25.73
5049	3.68	23.88	25.74
5051	3.69	23.99	25.79
5053	3.69	24.17	25.82
5055	3.68	24.33	25.87
5057	3.71	24.50	25.93
5059	3.66	24.65	25.99

5061	3.67	24.88	26.04
5063	3.70	25.07	26.12
5065	3.65	25.24	26.17
5067	3.70	25.51	26.26
5069	3.67	25.71	26.34
5071	3.61	25.94	26.44
5073	3.66	26.15	26.61
5075	3.64	26.32	26.67
5077	3.62	26.44	26.78
5079	3.64	26.58	26.91
5081	3.61	26.65	27.05
5083	3.65	26.78	27.18
5085	3.61	26.87	27.28
5087	3.59	26.98	27.36
5089	3.61	27.07	27.48
5091	3.60	27.18	27.59
5093	3.57	27.29	27.74
5095	3.62	27.36	27.82
5097	3.59	27.48	27.93
5099	3.59	27.54	28.08
5101	3.62	27.59	28.19
5103	3.58	27.59	28.28
5105	3.62	27.60	28.35
5107	3.60	27.66	28.45
5109	3.58	27.69	28.52
5111	3.62	27.74	28.66
5113	3.64	27.81	28.77
5115	3.61	27.85	28.81
5117	3.61	27.92	28.91
5119	3.63	27.99	29.00
5121	3.59	28.03	29.08
5123	3.62	28.11	29.16
5125	3.63	28.13	29.23
5127	3.56	28.19	29.30
5129	3.61	28.31	29.41
5131	3.58	28.30	29.50
5133	3.57	28.37	29.52
5135	3.60	28.43	29.63
5137	3.60	28.46	29.71
5139	3.60	28.55	29.77
5141	3.61	28.57	29.90
5143	3.62	28.60	29.94
5145	3.65	28.70	29.99
5147	3.61	28.78	30.09
5149	3.61	28.82	30.10
5151	3.64	28.90	30.22
5153	3.65	28.96	30.28

5155	3.68	29.00	30.36
5157	3.64	29.04	30.45
5159	3.64	29.05	30.48
5161	3.66	29.13	30.58
5163	3.68	29.24	30.67
5165	3.67	29.26	30.71
5167	3.69	29.32	30.77
5169	3.69	29.36	30.85
5171	3.71	29.42	30.92
5173	3.75	29.53	31.01
5175	3.69	29.52	31.07
5177	3.68	29.55	31.09
5179	3.72	29.60	31.14
5181	3.71	29.65	31.18
5183	3.74	29.72	31.29
5185	3.71	29.75	31.34
5187	3.71	29.78	31.41
5189	3.71	29.86	31.45
5191	3.68	29.87	31.49
5193	3.70	29.92	31.58
5195	3.69	29.97	31.63
5197	3.66	30.03	31.68
5199	3.71	30.08	31.74
5201	3.70	30.06	31.77
5203	3.65	30.12	31.80
5205	3.68	30.15	31.88
5207	3.64	30.19	31.91
5209	3.67	30.26	31.97
5211	3.63	30.29	32.00
5213	3.60	30.35	32.06
5215	3.65	30.36	32.11
5217	3.64	30.42	32.17
5219	3.62	30.44	32.25
5221	3.60	30.50	32.30
5223	3.61	30.53	32.32
5225	3.60	30.61	32.40
5227	3.59	30.61	32.42
5229	3.62	30.69	32.48
5231	3.64	30.67	32.57
5233	3.60	30.75	32.57
5235	3.66	30.79	32.69
5237	3.69	30.85	32.75
5239	3.68	30.91	32.75
5241	3.72	30.93	32.90
5243	3.73	30.97	32.88
5245	3.70	31.03	32.92
5247	3.69	31.03	33.00

5249	3.69	31.03	32.99
5251	3.65	31.06	33.05
5253	3.65	31.14	33.07
5255	3.64	31.17	33.13
5257	3.58	31.19	33.14
5259	3.63	31.24	33.24
5261	3.61	31.28	33.26
5263	3.68	31.31	33.37
5265	3.66	31.39	33.38
5267	3.70	31.39	33.43
5269	3.73	31.48	33.48
5271	3.69	31.54	33.50
5273	3.73	31.53	33.50
5275	3.70	31.58	33.53
5277	3.69	31.58	33.53
5279	3.74	31.62	33.61
5281	3.67	31.66	33.59
5283	3.68	31.67	33.60
5285	3.67	31.75	33.64
5287	3.64	31.71	33.62
5289	3.65	31.79	33.68
5291	3.64	31.79	33.68
5293	3.62	31.80	33.70
5295	3.63	31.85	33.75
5297	3.60	31.91	33.75
5299	3.63	31.92	33.83
5301	3.61	31.94	33.89
5303	3.60	31.99	33.87
5305	3.66	32.00	33.96
5307	3.60	32.03	33.97
5309	3.63	32.05	33.99
5311	3.64	32.07	34.01
5313	3.59	32.10	34.01
5315	3.64	32.14	34.04
5317	3.61	32.20	34.07
5319	3.60	32.20	34.06
5321	3.62	32.27	34.13
5323	3.60	32.26	34.16
5325	3.63	32.26	34.19
5327	3.61	32.29	34.22
5329	3.62	32.33	34.24
5331	3.63	32.37	34.23
5333	3.64	32.41	34.24
5335	3.64	32.41	34.27
5337	3.64	32.48	34.27
5339	3.61	32.49	34.28
5341	3.65	32.52	34.29

5343	3.66	32.55	34.30
5345	3.69	32.59	34.31
5347	3.65	32.60	34.33
5349	3.70	32.63	34.33
5351	3.73	32.70	34.35
5353	3.70	32.70	34.38
5355	3.70	32.73	34.38
5357	3.72	32.78	34.38
5359	3.70	32.78	34.40
5361	3.72	32.84	34.36
5363	3.70	32.87	34.43
5365	3.73	32.90	34.40
5367	3.73	32.96	34.43
5369	3.75	33.01	34.41
5371	3.74	33.10	34.48
5373	3.73	33.13	34.44
5375	3.70	33.19	34.46
5377	3.75	33.26	34.51
5379	3.72	33.34	34.50
5381	3.74	33.39	34.52
5383	3.73	33.42	34.54
5385	3.71	33.51	34.55
5387	3.71	33.55	34.59
5389	3.70	33.59	34.57
5391	3.71	33.65	34.62
5393	3.71	33.68	34.65
5395	3.66	33.75	34.65
5397	3.66	33.79	34.68
5399	3.63	33.83	34.66
5401	3.63	33.91	34.72
5403	3.61	33.92	34.72
5405	3.64	33.95	34.72
5407	3.61	34.00	34.77
5409	3.62	34.06	34.83
5411	3.64	34.12	34.84
5413	3.67	34.21	34.93
5415	3.68	34.22	34.92
5417	3.68	34.30	34.99
5419	3.70	34.37	35.03
5421	3.73	34.40	35.09
5423	3.76	34.50	35.12
5425	3.70	34.53	35.19
5427	3.77	34.59	35.23
5429	3.71	34.64	35.27
5431	3.70	34.67	35.29
5433	3.73	34.75	35.35
5435	3.72	34.75	35.39

5437	3.69	34.78	35.46
5439	3.74	34.88	35.47
5441	3.68	34.91	35.50
5443	3.69	34.92	35.57
5445	3.68	35.01	35.59
5447	3.67	35.05	35.61
5449	3.68	35.07	35.67
5451	3.67	35.12	35.75
5453	3.65	35.13	35.75
5455	3.67	35.18	35.81
5457	3.69	35.23	35.87
5459	3.66	35.26	35.90
5461	3.68	35.31	35.97
5463	3.68	35.36	36.03
5465	3.65	35.39	36.01
5467	3.65	35.44	36.12
5469	3.66	35.49	36.18
5471	3.62	35.51	36.21
5473	3.65	35.57	36.28
5475	3.66	35.62	36.35
5477	3.64	35.65	36.36
5479	3.65	35.71	36.44
5481	3.68	35.78	36.47
5483	3.69	35.83	36.55
5485	3.70	35.86	36.62
5487	3.68	35.95	36.67
5489	3.74	35.97	36.72
5491	3.72	36.04	36.79
5493	3.72	36.08	36.82
5495	3.75	36.14	36.91
5497	3.74	36.18	36.91
5499	3.75	36.23	37.03
5501	3.75	36.28	37.09
5503	3.76	36.32	37.11
5505	3.78	36.34	37.20
5507	3.75	36.41	37.21
5509	3.74	36.43	37.25
5511	3.76	36.46	37.35
5513	3.75	36.52	37.39
5515	3.77	36.52	37.43
5517	3.75	36.59	37.47
5519	3.74	36.61	37.53
5521	3.74	36.63	37.56
5523	3.74	36.68	37.64
5525	3.73	36.70	37.66
5527	3.75	36.71	37.71
5529	3.72	36.75	37.71

5531	3.72	36.79	37.82
5533	3.72	36.84	37.84
5535	3.76	36.86	37.87
5537	3.76	36.92	37.96
5539	3.73	36.93	37.97
5541	3.72	36.99	38.01
5543	3.71	37.01	38.04
5545	3.77	37.03	38.12
5547	3.76	37.07	38.12
5549	3.76	37.12	38.20
5551	3.75	37.13	38.22
5553	3.74	37.18	38.24
5555	3.78	37.23	38.32
5557	3.72	37.23	38.34
5559	3.72	37.29	38.39
5561	3.76	37.33	38.45
5563	3.71	37.34	38.45
5565	3.73	37.38	38.51
5567	3.70	37.41	38.53
5569	3.71	37.46	38.60
5571	3.75	37.46	38.65
5573	3.69	37.48	38.65
5575	3.74	37.52	38.65
5577	3.70	37.54	38.74
5579	3.68	37.53	38.75
5581	3.68	37.60	38.80
5583	3.69	37.64	38.80
5585	3.67	37.63	38.85
5587	3.69	37.67	38.92
5589	3.70	37.70	38.96
5591	3.67	37.75	39.02
5593	3.73	37.78	39.03
5595	3.70	37.84	39.08
5597	3.74	37.84	39.13
5599	3.68	37.88	39.15
5601	3.70	37.92	39.18
5603	3.72	37.93	39.23
5605	3.72	37.94	39.27
5607	3.73	38.00	39.33
5609	3.70	38.03	39.31
5611	3.73	38.04	39.35
5613	3.74	38.09	39.42
5615	3.71	38.10	39.43
5617	3.72	38.12	39.47
5619	3.77	38.20	39.53
5621	3.74	38.21	39.56
5623	3.76	38.24	39.63

5625	3.81	38.28	39.67
5627	3.78	38.30	39.70
5629	3.77	38.31	39.75
5631	3.75	38.37	39.76
5633	3.78	38.36	39.80
5635	3.78	38.43	39.82
5637	3.82	38.43	39.85
5639	3.79	38.46	39.86
5641	3.80	38.49	39.93
5643	3.77	38.51	39.93
5645	3.79	38.54	39.95
5647	3.80	38.56	40.02
5649	3.78	38.57	40.01
5651	3.78	38.60	40.07
5653	3.77	38.60	40.07
5655	3.82	38.65	40.11
5657	3.78	38.65	40.11
5659	3.77	38.65	40.16
5661	3.77	38.68	40.14
5663	3.72	38.69	40.17
5665	3.70	38.69	40.22
5667	3.77	38.76	40.22
5669	3.70	38.73	40.22
5671	3.71	38.75	40.24
5673	3.72	38.78	40.29
5675	3.67	38.78	40.29
5677	3.71	38.82	40.33
5679	3.70	38.88	40.38
5681	3.71	38.88	40.38
5683	3.73	38.90	40.42
5685	3.71	38.91	40.45
5687	3.75	38.93	40.47
5689	3.71	38.96	40.49
5691	3.68	38.94	40.52
5693	3.71	38.99	40.55
5695	3.72	38.99	40.54
5697	3.71	39.01	40.60
5699	3.73	39.04	40.62
5701	3.72	39.05	40.60
5703	3.70	39.08	40.66
5705	3.70	39.09	40.68
5707	3.70	39.14	40.69
5709	3.71	39.16	40.75
5711	3.71	39.19	40.76
5713	3.72	39.23	40.79
5715	3.73	39.25	40.82
5717	3.69	39.27	40.81

5719	3.72	39.32	40.87
5721	3.74	39.35	40.91
5723	3.75	39.36	40.93
5725	3.77	39.41	40.97
5727	3.75	39.45	41.02
5729	3.77	39.47	41.05
5731	3.78	39.52	41.09
5733	3.81	39.55	41.09
5735	3.86	39.58	41.13
5737	3.78	39.65	41.20
5739	3.84	39.68	41.19
5741	3.83	39.73	41.25
5743	3.79	39.75	41.24
5745	3.80	39.81	41.32
5747	3.79	39.82	41.32
5749	3.81	39.85	41.34
5751	3.82	39.88	41.41
5753	3.82	39.91	41.41
5755	3.81	39.98	41.47
5757	3.80	40.00	41.49
5759	3.81	40.04	41.52
5761	3.84	40.06	41.59
5763	3.79	40.11	41.56
5765	3.83	40.16	41.64
5767	3.80	40.16	41.65
5769	3.79	40.19	41.67
5771	3.77	40.25	41.75
5773	3.78	40.24	41.74
5775	3.80	40.31	41.77
5777	3.80	40.31	41.83
5779	3.79	40.34	41.81
5781	3.81	40.38	41.88
5783	3.79	40.43	41.89
5785	3.77	40.42	41.92
5787	3.76	40.47	41.97
5789	3.74	40.47	41.96
5791	3.76	40.52	42.01
5793	3.79	40.52	42.06
5795	3.74	40.57	42.05
5797	3.72	40.58	42.07
5799	3.75	40.58	42.12
5801	3.74	40.62	42.14
5803	3.70	40.63	42.18
5805	3.74	40.67	42.21
5807	3.75	40.73	42.26
5809	3.76	40.75	42.31
5811	3.77	40.80	42.35

5813	3.76	40.79	42.37
5815	3.83	40.87	42.42
5817	3.82	40.92	42.47
5819	3.81	40.95	42.50
5821	3.82	40.99	42.53
5823	3.82	40.99	42.60
5825	3.84	41.05	42.62
5827	3.84	41.08	42.68
5829	3.82	41.09	42.71
5831	3.83	41.10	42.73
5833	3.84	41.14	42.76
5835	3.81	41.15	42.80
5837	3.80	41.16	42.83
5839	3.86	41.23	42.84
5841	3.80	41.23	42.91
5843	3.85	41.26	42.92
5845	3.84	41.28	42.95
5847	3.79	41.31	42.96
5849	3.85	41.31	43.02
5851	3.81	41.36	43.07
5853	3.80	41.35	43.01
5855	3.81	41.37	43.09
5857	3.77	41.38	43.07
5859	3.75	41.39	43.10
5861	3.79	41.44	43.13
5863	3.75	41.46	43.18
5865	3.73	41.45	43.19
5867	3.76	41.50	43.23
5869	3.73	41.54	43.25
5871	3.74	41.54	43.27
5873	3.78	41.60	43.35
5875	3.76	41.63	43.36
5877	3.75	41.65	43.42
5879	3.82	41.67	43.45
5881	3.81	41.69	43.46
5883	3.83	41.69	43.49
5885	3.84	41.74	43.56
5887	3.82	41.73	43.59
5889	3.85	41.79	43.63
5891	3.84	41.79	43.64
5893	3.84	41.79	43.66
5895	3.84	41.82	43.69
5897	3.87	41.85	43.70
5899	3.84	41.87	43.74
5901	3.85	41.87	43.78
5903	3.82	41.89	43.80
5905	3.80	41.88	43.77

5907	3.84	41.91	43.83
5909	3.82	41.90	43.86
5911	3.80	41.92	43.84
5913	3.81	41.96	43.90
5915	3.78	41.97	43.91
5917	3.79	41.95	43.92
5919	3.82	42.00	43.93
5921	3.79	42.02	43.96
5923	3.80	42.03	43.99
5925	3.80	42.05	44.00
5927	3.75	42.05	44.02
5929	3.75	42.02	44.06
5931	3.78	42.05	44.06
5933	3.76	42.06	44.10
5935	3.75	42.08	44.12
5937	3.77	42.10	44.15
5939	3.78	42.10	44.16
5941	3.78	42.11	44.16
5943	3.79	42.12	44.22
5945	3.77	42.14	44.22
5947	3.78	42.14	44.23
5949	3.80	42.15	44.30
5951	3.80	42.17	44.31
5953	3.82	42.15	44.32
5955	3.83	42.17	44.38
5957	3.84	42.15	44.38
5959	3.87	42.19	44.43
5961	3.87	42.18	44.44
5963	3.84	42.15	44.46
5965	3.87	42.17	44.49
5967	3.86	42.13	44.50
5969	3.84	42.13	44.50
5971	3.89	42.17	44.54
5973	3.82	42.12	44.48
5975	3.86	42.10	44.55
5977	3.84	42.11	44.57
5979	3.83	42.11	44.55
5981	3.85	42.08	44.56
5983	3.75	42.06	44.54
5985	3.79	42.07	44.56
5987	3.81	42.08	44.61
5989	3.79	42.02	44.54
5991	3.77	42.01	44.56
5993	3.80	42.01	44.57
5995	3.79	42.00	44.55
5997	3.78	42.00	44.58
5999	3.79	41.99	44.59

6001	3.76	41.98	44.58
6003	3.79	41.97	44.62
6005	3.76	41.97	44.60
6007	3.77	41.93	44.56
6009	3.83	41.95	44.62
6011	3.75	41.94	44.59
6013	3.77	41.90	44.63
6015	3.79	41.85	44.64
6017	3.77	41.83	44.61
6019	3.78	41.81	44.63
6021	3.78	41.80	44.63
6023	3.78	41.79	44.63
6025	3.81	41.77	44.60
6027	3.79	41.72	44.60
6029	3.80	41.68	44.63
6031	3.80	41.69	44.62
6033	3.79	41.66	44.64
6035	3.83	41.63	44.64
6037	3.82	41.62	44.65
6039	3.82	41.58	44.67
6041	3.86	41.57	44.68
6043	3.89	41.51	44.68
6045	3.84	41.47	44.71
6047	3.91	41.49	44.70
6049	3.85	41.51	44.69
6051	3.87	41.53	44.71
6053	3.92	41.57	44.70
6055	3.92	41.58	44.68
6057	3.90	41.61	44.72
6059	3.90	41.62	44.69
6061	3.86	41.66	44.71
6063	3.88	41.71	44.72
6065	3.87	41.73	44.71
6067	3.89	41.74	44.71
6069	3.88	41.82	44.72
6071	3.85	41.82	44.68
6073	3.89	41.85	44.70
6075	3.89	41.91	44.74
6077	3.89	41.95	44.72
6079	3.87	41.98	44.69
6081	3.90	42.04	44.73
6083	3.89	42.06	44.72
6085	3.89	42.08	44.72
6087	3.89	42.11	44.76
6089	3.89	42.14	44.73
6091	3.89	42.19	44.74
6093	3.85	42.19	44.74

6095	3.87	42.23	44.74
6097	3.90	42.31	44.80
6099	3.87	42.32	44.78
6101	3.89	42.38	44.77
6103	3.90	42.39	44.82
6105	3.89	42.45	44.80
6107	3.88	42.51	44.85
6109	3.92	42.55	44.87
6111	3.90	42.63	44.86
6113	3.90	42.67	44.91
6115	3.93	42.72	44.93
6117	3.86	42.79	44.93
6119	3.91	42.86	44.98
6121	3.88	42.93	44.99
6123	3.86	43.02	45.00
6125	3.89	43.14	45.04
6127	3.86	43.24	45.06
6129	3.84	43.36	45.10
6131	3.91	43.52	45.15
6133	3.83	43.65	45.22
6135	3.83	43.82	45.25
6137	3.85	43.98	45.35
6139	3.84	44.14	45.40
6141	3.84	44.31	45.52
6143	3.82	44.47	45.60
6145	3.82	44.61	45.71
6147	3.83	44.79	45.81
6149	3.84	44.92	45.89
6151	3.82	45.05	45.98
6153	3.83	45.23	46.14
6155	3.85	45.38	46.23
6157	3.81	45.54	46.35
6159	3.87	45.72	46.54
6161	3.81	45.84	47.04
6163	3.87	46.00	47.69
6165	3.89	46.18	47.92
6167	3.83	46.30	47.97
6169	3.90	46.49	48.05
6171	3.86	46.63	48.11
6173	3.87	46.77	48.20
6175	3.89	46.93	48.30
6177	3.90	47.06	48.44
6179	3.91	47.21	48.50
6181	3.89	47.37	48.62
6183	3.89	47.52	48.71
6185	3.92	47.68	48.90
6187	3.94	47.81	49.46

6189	3.93	47.93	49.95
6191	3.95	48.12	50.22
6193	3.89	48.24	50.22
6195	3.91	48.37	50.29
6197	3.88	48.48	50.33
6199	3.86	48.62	50.38
6201	3.87	48.76	50.50
6203	3.84	48.87	50.56
6205	3.85	49.00	50.64
6207	3.84	49.13	50.76
6209	3.86	49.31	50.86
6211	3.84	49.43	50.99
6213	3.90	49.59	51.15
6215	3.91	49.74	51.25
6217	3.88	49.84	51.42
6219	3.96	50.02	51.98
6221	3.97	50.13	52.46
6223	3.92	50.26	52.69
6225	3.89	50.40	52.75
6227	3.88	50.51	52.77
6229	3.87	50.62	52.84
6231	3.92	50.75	52.90
6233	3.84	50.86	52.96
6235	3.87	50.99	53.03
6237	3.85	51.10	53.10
6239	3.86	51.21	53.19
6241	3.84	51.37	53.32
6243	3.85	51.49	53.37
6245	3.82	51.59	53.48
6247	3.87	51.75	53.65
6249	3.84	51.86	54.11
6251	3.88	51.99	54.59
6253	3.85	52.12	54.85
6255	3.87	52.25	54.91
6257	3.85	52.42	54.97
6259	3.89	52.53	55.02
6261	3.91	52.63	55.12
6263	3.93	52.78	55.26
6265	3.91	52.90	55.29
6267	3.91	53.00	55.41
6269	3.94	53.15	55.49
6271	3.93	53.26	55.56
6273	3.93	53.39	55.63
6275	3.93	53.52	55.75
6277	3.92	53.63	55.83
6279	3.96	53.75	55.92
6281	3.94	53.90	56.16

6283	3.92	53.99	56.63
6285	3.94	54.09	57.07
6287	3.93	54.19	57.21
6289	3.89	54.30	57.24
6291	3.89	54.43	57.25
6293	3.90	54.51	57.31
6295	3.89	54.65	57.40
6297	3.83	54.74	57.46
6299	3.87	54.87	57.53
6301	3.88	54.99	57.60
6303	3.85	55.11	57.69
6305	3.87	55.22	57.80
6307	3.90	55.32	57.91
6309	3.94	55.59	58.03
6311	3.95	55.86	58.18
6313	3.92	55.79	58.30
6315	3.98	55.66	58.43
6317	3.93	55.56	58.51
6319	3.96	55.44	58.57
6321	3.95	55.39	58.65
6323	3.92	55.14	58.68
6325	3.91	54.79	58.76
6327	3.89	54.40	58.74
6329	3.88	54.02	58.80
6331	3.89	53.58	58.78
6333	3.86	53.13	58.76
6335	3.89	52.75	58.72
6337	3.88	52.43	58.76
6339	3.88	52.16	58.77
6341	3.96	51.99	58.81
6343	3.93	51.85	58.79
6345	3.98	51.75	58.79
6347	4.02	51.70	58.78
6349	3.96	51.59	58.76
6351	3.98	51.53	58.73
6353	3.95	51.48	58.74
6355	3.93	51.37	58.64
6357	3.93	51.33	58.65
6359	3.91	51.26	58.57
6361	3.94	51.20	58.53
6363	3.89	51.15	58.54
6365	3.85	51.08	58.47
6367	3.86	51.01	58.47
6369	3.88	50.96	58.43
6371	3.88	50.93	58.37
6373	3.88	50.85	58.37
6375	3.86	50.81	58.27

6377	3.89	50.75	58.30
6379	3.89	50.73	58.26
6381	3.89	50.64	58.16
6383	3.89	50.61	58.14
6385	3.88	50.54	58.08
6387	3.90	50.50	58.06
6389	3.89	50.43	58.00
6391	3.88	50.39	57.95
6393	3.91	50.34	57.89
6395	3.89	50.27	57.85
6397	3.90	50.23	57.82
6399	3.88	50.19	57.76
6401	3.94	50.15	57.72
6403	3.92	50.10	57.70
6405	3.91	50.06	57.62
6407	3.96	50.03	57.62
6409	3.95	49.95	57.55
6411	4.01	49.92	57.54
6413	3.93	49.84	57.45
6415	4.01	49.81	57.43
6417	4.04	49.79	57.41
6419	3.98	49.71	57.36
6421	3.98	49.64	57.30
6423	3.96	49.59	57.21
6425	3.99	49.53	57.16
6427	3.89	49.46	57.08
6429	3.93	49.41	57.02
6431	3.92	49.35	56.96
6433	3.90	49.28	56.89
6435	3.91	49.25	56.85
6437	3.92	49.21	56.78
6439	3.94	49.16	56.74
6441	3.95	49.14	56.72
6443	3.97	49.07	56.66
6445	3.98	49.05	56.66
6447	4.00	48.98	56.60
6449	3.99	48.94	56.55
6451	4.00	48.87	56.50
6453	3.96	48.83	56.40
6455	3.95	48.73	56.28
6457	3.94	48.70	56.26
6459	3.94	48.65	56.19
6461	3.93	48.59	56.15
6463	3.94	48.57	56.08
6465	3.89	48.50	56.02
6467	3.91	48.43	55.95
6469	3.90	48.39	55.93

6471	3.91	48.34	55.83
6473	3.88	48.28	55.76
6475	3.93	48.26	55.72
6477	3.90	48.17	55.63
6479	3.93	48.13	55.61
6481	3.90	48.09	55.56
6483	3.94	48.07	55.50
6485	3.92	48.03	55.47
6487	3.90	47.96	55.39
6489	3.97	47.92	55.36
6491	3.98	47.88	55.31
6493	3.99	47.82	55.26
6495	3.97	47.76	55.18
6497	4.00	47.72	55.15
6499	4.00	47.68	55.09
6501	4.02	47.63	55.04
6503	4.00	47.59	55.00
6505	3.98	47.53	54.91
6507	4.00	47.48	54.85
6509	3.99	47.41	54.76
6511	3.96	47.33	54.70
6513	3.96	47.30	54.67
6515	3.92	47.25	54.59
6517	3.92	47.19	54.52
6519	3.92	47.14	54.49
6521	3.91	47.06	54.40
6523	3.92	47.02	54.31
6525	3.90	46.99	54.26
6527	3.95	46.95	54.23
6529	3.92	46.90	54.13
6531	3.92	46.85	54.10
6533	3.95	46.80	54.05
6535	3.96	46.74	54.03
6537	3.99	46.71	53.96
6539	3.95	46.66	53.90
6541	3.98	46.61	53.86
6543	4.02	46.53	53.80
6545	3.98	46.50	53.74
6547	3.98	46.47	53.65
6549	4.02	46.42	53.64
6551	3.99	46.35	53.56
6553	4.00	46.32	53.48
6555	4.01	46.26	53.45
6557	4.01	46.20	53.37
6559	4.00	46.14	53.35
6561	4.00	46.11	53.24
6563	3.97	46.04	53.20

6565	4.03	46.00	53.16
6567	3.95	45.93	53.09
6569	3.95	45.88	52.97
6571	3.97	45.85	52.98
6573	3.96	45.80	52.92
6575	3.97	45.72	52.83
6577	3.97	45.67	52.78
6579	3.93	45.64	52.71
6581	3.97	45.59	52.66
6583	3.98	45.54	52.62
6585	3.98	45.50	52.53
6587	3.99	45.43	52.49
6589	3.98	45.39	52.42
6591	3.97	45.35	52.36
6593	3.98	45.27	52.30
6595	3.96	45.25	52.30
6597	4.02	45.21	52.26
6599	4.01	45.16	52.16
6601	4.06	45.12	52.14
6603	4.02	45.06	52.06
6605	4.00	44.99	51.97
6607	4.02	44.93	51.93
6609	4.03	44.89	51.91
6611	4.02	44.84	51.83
6613	4.03	44.78	51.77
6615	4.00	44.74	51.68
6617	3.98	44.65	51.63
6619	4.02	44.62	51.59
6621	3.97	44.58	51.49
6623	3.96	44.51	51.38
6625	3.96	44.48	51.39
6627	3.93	44.40	51.31
6629	3.96	44.33	51.24
6631	3.93	44.32	51.21
6633	3.91	44.27	51.14
6635	3.94	44.18	51.10
6637	3.96	44.15	51.01
6639	3.92	44.08	50.92
6641	3.92	44.04	50.91
6643	3.96	44.01	50.87
6645	3.94	43.94	50.83
6647	3.96	43.92	50.76
6649	3.94	43.87	50.67
6651	3.93	43.81	50.62
6653	3.95	43.76	50.58
6655	3.97	43.71	50.52
6657	3.94	43.66	50.46

6659	3.95	43.63	50.44
6661	3.94	43.58	50.37
6663	3.94	43.50	50.30
6665	3.97	43.45	50.24
6667	3.88	43.41	50.21
6669	3.95	43.34	50.12
6671	3.93	43.31	50.09
6673	3.92	43.25	50.01
6675	3.92	43.20	49.94
6677	3.93	43.16	49.90
6679	3.98	43.12	49.88
6681	3.91	43.07	49.82
6683	3.94	42.99	49.72
6685	3.96	42.97	49.67
6687	3.92	42.92	49.64
6689	3.93	42.85	49.56
6691	3.92	42.83	49.50
6693	3.97	42.79	49.49
6695	3.93	42.73	49.44
6697	3.93	42.68	49.36
6699	3.94	42.62	49.32
6701	3.97	42.60	49.27
6703	3.96	42.55	49.21
6705	3.96	42.50	49.16
6707	3.99	42.44	49.09
6709	4.05	42.43	49.09
6711	4.01	42.38	49.02
6713	4.07	42.34	48.97
6715	4.02	42.27	48.91
6717	4.03	42.23	48.86
6719	4.04	42.20	48.82
6721	4.02	42.13	48.76
6723	3.99	42.10	48.67
6725	4.02	42.03	48.62
6727	3.95	41.97	48.54
6729	3.94	41.91	48.47
6731	3.96	41.87	48.44
6733	3.93	41.82	48.37
6735	3.94	41.75	48.28
6737	3.96	41.72	48.26
6739	3.94	41.67	48.22
6741	3.93	41.63	48.14
6743	3.95	41.60	48.11
6745	4.01	41.53	48.08
6747	3.98	41.48	48.02
6749	4.01	41.46	47.98
6751	4.07	41.42	47.93

6753	4.04	41.39	47.87
6755	4.00	41.30	47.82
6757	4.04	41.27	47.78
6759	4.03	41.24	47.72
6761	4.01	41.18	47.64
6763	4.02	41.12	47.58
6765	4.04	41.08	47.53
6767	3.95	41.03	47.45
6769	3.98	40.96	47.37
6771	3.97	40.93	47.33
6773	3.96	40.85	47.26
6775	3.94	40.82	47.20
6777	3.95	40.77	47.17
6779	3.92	40.69	47.09
6781	3.94	40.68	47.04
6783	3.95	40.63	47.02
6785	3.94	40.58	46.96
6787	3.97	40.55	46.93
6789	3.97	40.50	46.89
6791	3.94	40.42	46.81
6793	3.96	40.38	46.78
6795	3.99	40.34	46.72
6797	3.98	40.28	46.66
6799	4.01	40.25	46.63
6801	3.99	40.20	46.59
6803	3.99	40.14	46.53
6805	3.99	40.11	46.52
6807	3.99	40.06	46.41
6809	4.02	40.00	46.36
6811	4.02	39.97	46.32
6813	4.01	39.92	46.27
6815	4.02	39.86	46.21
6817	4.05	39.87	46.19
6819	4.01	39.79	46.14
6821	4.01	39.76	46.08
6823	4.09	39.71	46.06
6825	4.01	39.67	45.99
6827	4.04	39.61	45.92
6829	4.07	39.59	45.89
6831	4.01	39.52	45.84
6833	4.03	39.47	45.80
6835	4.06	39.45	45.72
6837	4.07	39.39	45.69
6839	4.01	39.33	45.62
6841	4.05	39.31	45.60
6843	4.10	39.26	45.55
6845	4.02	39.20	45.50

6847	4.04	39.16	45.46
6849	4.09	39.12	45.42
6851	4.02	39.06	45.37
6853	4.02	39.00	45.31
6855	4.05	38.96	45.30
6857	4.02	38.92	45.21
6859	4.04	38.86	45.16
6861	4.04	38.84	45.12
6863	3.98	38.78	45.06
6865	4.01	38.71	45.00
6867	4.04	38.70	44.99
6869	4.05	38.61	44.95
6871	4.00	38.57	44.91
6873	4.05	38.56	44.87
6875	4.02	38.47	44.81
6877	4.01	38.44	44.74
6879	4.03	38.40	44.72
6881	4.02	38.36	44.65
6883	4.03	38.31	44.59
6885	4.03	38.27	44.57
6887	4.04	38.20	44.51
6889	4.03	38.16	44.45
6891	4.05	38.15	44.42
6893	4.02	38.10	44.36
6895	4.05	38.05	44.35
6897	4.04	38.01	44.27
6899	4.06	37.94	44.21
6901	4.08	37.89	44.22
6903	4.04	37.84	44.15
6905	4.03	37.79	44.07
6907	4.06	37.74	44.07
6909	4.00	37.67	44.00
6911	3.98	37.59	43.90
6913	4.00	37.61	43.89
6915	3.94	37.54	43.83
6917	3.97	37.49	43.78
6919	4.02	37.43	43.70
6921	3.94	37.37	43.64
6923	3.94	37.33	43.58
6925	3.98	37.30	43.56
6927	3.96	37.25	43.48
6929	3.95	37.20	43.44
6931	3.99	37.16	43.43
6933	3.94	37.11	43.36
6935	3.97	37.06	43.31
6937	3.98	37.04	43.29
6939	4.00	37.01	43.27

6941	4.00	36.94	43.19
6943	4.01	36.91	43.18
6945	4.01	36.86	43.13
6947	4.00	36.80	43.07
6949	4.07	36.76	43.05
6951	4.03	36.71	42.97
6953	4.00	36.67	42.93
6955	4.06	36.63	42.89
6957	4.04	36.59	42.83
6959	3.99	36.54	42.75
6961	4.01	36.45	42.71
6963	4.05	36.42	42.69
6965	4.01	36.38	42.60
6967	4.00	36.30	42.52
6969	3.98	36.26	42.45
6971	3.92	36.20	42.41
6973	3.96	36.16	42.34
6975	3.97	36.11	42.33
6977	3.96	36.07	42.23
6979	3.97	36.00	42.20
6981	3.97	35.95	42.17
6983	3.97	35.92	42.10
6985	4.01	35.86	42.06
6987	4.03	35.83	42.01
6989	3.98	35.79	41.94
6991	4.06	35.76	41.94
6993	4.07	35.73	41.85
6995	4.03	35.66	41.79
6997	4.08	35.65	41.77
6999	4.09	35.60	41.71
7001	4.03	35.53	41.62
7003	4.06	35.47	41.62
7005	4.12	35.43	41.56
7007	4.06	35.36	41.48
7009	4.07	35.31	41.43
7011	4.04	35.28	41.37
7013	4.04	35.23	41.32
7015	4.00	35.15	41.24
7017	4.04	35.11	41.19
7019	3.97	35.04	41.11
7021	4.02	35.00	41.05
7023	4.00	34.97	41.02
7025	3.96	34.89	40.94
7027	3.94	34.85	40.85
7029	3.99	34.80	40.81
7031	3.96	34.75	40.73
7033	3.98	34.72	40.72

7035	3.98	34.67	40.65
7037	3.95	34.59	40.57
7039	3.99	34.57	40.52
7041	3.96	34.51	40.46
7043	3.94	34.45	40.37
7045	3.96	34.42	40.36
7047	3.93	34.36	40.31
7049	3.95	34.31	40.22
7051	3.96	34.29	40.19
7053	3.95	34.22	40.10
7055	3.99	34.18	40.05
7057	4.00	34.12	40.01
7059	3.97	34.07	39.91
7061	3.99	34.04	39.89
7063	3.97	33.96	39.82
7065	3.95	33.90	39.79
7067	3.99	33.88	39.75
7069	4.00	33.86	39.69
7071	4.01	33.81	39.64
7073	3.99	33.79	39.59
7075	4.00	33.70	39.52
7077	3.99	33.68	39.47
7079	4.01	33.64	39.38
7081	3.95	33.59	39.34
7083	4.02	33.53	39.28
7085	4.00	33.51	39.24
7087	4.00	33.42	39.18
7089	4.02	33.40	39.15
7091	3.98	33.33	39.04
7093	4.01	33.30	38.99
7095	4.03	33.26	38.94
7097	3.95	33.20	38.88
7099	3.95	33.15	38.79
7101	3.97	33.10	38.75
7103	3.98	33.04	38.69
7105	3.99	33.01	38.63
7107	4.00	32.97	38.60
7109	4.00	32.91	38.52
7111	4.03	32.91	38.48
7113	4.02	32.85	38.45
7115	4.05	32.83	38.39
7117	4.05	32.77	38.37
7119	4.03	32.72	38.28
7121	4.06	32.68	38.25
7123	4.12	32.64	38.22
7125	4.08	32.57	38.12
7127	4.05	32.54	38.10

7129	4.06	32.49	38.04
7131	4.05	32.40	37.95
7133	4.05	32.38	37.90
7135	3.98	32.31	37.80
7137	4.00	32.24	37.74
7139	4.03	32.23	37.70
7141	3.93	32.15	37.63
7143	3.95	32.11	37.56
7145	4.00	32.08	37.51
7147	4.01	32.02	37.46
7149	4.00	31.97	37.40
7151	4.03	31.94	37.36
7153	4.01	31.91	37.32
7155	4.03	31.89	37.27
7157	4.06	31.83	37.23
7159	4.04	31.78	37.17
7161	4.10	31.75	37.15
7163	4.06	31.70	37.07
7165	4.08	31.66	37.03
7167	4.07	31.59	36.95
7169	4.02	31.55	36.88
7171	4.00	31.48	36.79
7173	4.04	31.44	36.76
7175	3.98	31.39	36.72
7177	3.94	31.34	36.63
7179	3.99	31.30	36.60
7181	3.99	31.25	36.51
7183	3.98	31.21	36.45
7185	4.01	31.18	36.45
7187	3.98	31.11	36.31
7189	3.98	31.06	36.31
7191	4.00	31.05	36.29
7193	3.99	31.01	36.20
7195	4.04	30.97	36.20
7197	4.02	30.93	36.14
7199	4.04	30.87	36.08
7201	4.09	30.85	36.06
7203	4.03	30.78	35.96
7205	4.03	30.75	35.94
7207	4.06	30.71	35.92
7209	4.04	30.66	35.81
7211	4.08	30.65	35.79
7213	4.06	30.62	35.80
7215	4.07	30.52	35.68
7217	4.12	30.49	35.67
7219	4.08	30.44	35.60
7221	4.06	30.40	35.54

7223	4.09	30.37	35.48
7225	4.06	30.32	35.41
7227	4.08	30.30	35.38
7229	4.05	30.25	35.32
7231	4.04	30.17	35.25
7233	4.07	30.15	35.22
7235	4.04	30.09	35.19
7237	4.01	30.04	35.09
7239	4.07	30.02	35.04
7241	3.99	29.94	34.98
7243	3.99	29.89	34.88
7245	3.98	29.85	34.88
7247	4.01	29.80	34.82
7249	3.98	29.75	34.74
7251	4.02	29.70	34.67
7253	3.98	29.65	34.62
7255	3.94	29.60	34.58
7257	4.00	29.58	34.58
7259	4.00	29.53	34.47
7261	4.04	29.48	34.49
7263	3.98	29.46	34.36
7265	4.01	29.39	34.37
7267	4.04	29.37	34.31
7269	4.05	29.32	34.29
7271	4.08	29.29	34.24
7273	4.07	29.24	34.17
7275	4.04	29.18	34.11
7277	4.07	29.16	34.09
7279	4.04	29.13	34.03
7281	4.07	29.09	33.99
7283	4.08	29.06	33.95
7285	4.07	28.98	33.85
7287	4.09	28.96	33.88
7289	4.11	28.92	33.77
7291	4.07	28.87	33.72
7293	4.09	28.83	33.70
7295	4.03	28.77	33.61
7297	4.09	28.73	33.59
7299	4.05	28.68	33.51
7301	4.05	28.64	33.45
7303	4.04	28.60	33.41
7305	4.03	28.55	33.34
7307	4.02	28.49	33.29
7309	4.04	28.47	33.26
7311	4.01	28.43	33.19
7313	4.04	28.39	33.14
7315	4.01	28.31	33.08

7317	4.01	28.28	33.04
7319	4.04	28.25	33.00
7321	4.00	28.19	32.90
7323	4.00	28.16	32.92
7325	3.98	28.11	32.82
7327	3.97	28.02	32.73
7329	4.00	28.02	32.72
7331	3.99	27.98	32.66
7333	3.95	27.90	32.59
7335	3.99	27.89	32.55
7337	3.95	27.83	32.49
7339	3.96	27.79	32.46
7341	4.00	27.73	32.40
7343	3.96	27.71	32.35
7345	3.97	27.64	32.32
7347	4.01	27.64	32.26
7349	3.97	27.58	32.19
7351	3.99	27.51	32.14
7353	3.97	27.50	32.14
7355	4.00	27.42	32.05
7357	3.97	27.38	31.95
7359	4.00	27.35	31.97
7361	3.96	27.31	31.89
7363	3.97	27.28	31.85
7365	3.98	27.23	31.85
7367	4.00	27.18	31.79
7369	4.01	27.16	31.72
7371	3.99	27.11	31.67
7373	3.98	27.06	31.61
7375	4.01	27.03	31.60
7377	4.00	26.98	31.52
7379	3.94	26.92	31.51
7381	3.99	26.91	31.47
7383	4.00	26.85	31.37
7385	3.98	26.79	31.30
7387	3.94	26.74	31.30
7389	3.97	26.71	31.23
7391	3.97	26.66	31.17
7393	3.96	26.61	31.13
7395	4.00	26.60	31.06
7397	3.95	26.53	31.04
7399	3.95	26.52	31.00
7401	3.98	26.47	30.96
7403	3.95	26.44	30.88
7405	3.96	26.38	30.88
7407	4.01	26.38	30.80
7409	4.00	26.30	30.75

7411	4.02	26.29	30.77
7413	4.05	26.26	30.71
7415	4.02	26.21	30.66
7417	4.05	26.18	30.63
7419	4.08	26.16	30.58
7421	4.05	26.09	30.54
7423	4.05	26.05	30.47
7425	4.07	25.99	30.47
7427	4.07	25.96	30.36
7429	4.06	25.91	30.34
7431	4.04	25.88	30.24
7433	3.97	25.78	30.19
7435	3.97	25.76	30.14
7437	3.99	25.70	30.10
7439	3.94	25.65	30.04
7441	3.98	25.62	29.99
7443	3.97	25.58	29.95
7445	3.96	25.55	29.89
7447	3.99	25.51	29.92
7449	4.04	25.50	29.88
7451	4.02	25.42	29.81
7453	4.03	25.42	29.79
7455	4.02	25.38	29.74
7457	4.00	25.33	29.70
7459	4.07	25.29	29.64
7461	4.09	25.25	29.61
7463	4.03	25.21	29.57
7465	4.08	25.17	29.51
7467	4.02	25.13	29.48
7469	4.06	25.07	29.42
7471	4.08	25.05	29.41
7473	4.05	25.00	29.33
7475	4.01	24.95	29.26
7477	4.00	24.92	29.23
7479	3.99	24.85	29.15
7481	3.95	24.79	29.07
7483	4.01	24.75	29.08
7485	4.00	24.72	29.00
7487	3.94	24.66	28.89
7489	3.97	24.63	28.90
7491	3.94	24.58	28.85
7493	3.93	24.54	28.79
7495	3.95	24.51	28.74
7497	4.00	24.46	28.72
7499	3.97	24.42	28.69
7501	3.97	24.39	28.60
7503	3.98	24.34	28.58

7505	4.00	24.30	28.56
7507	4.02	24.29	28.52
7509	4.02	24.22	28.47
7511	4.03	24.21	28.44
7513	4.02	24.18	28.40
7515	4.01	24.12	28.33
7517	4.06	24.09	28.31
7519	4.06	24.06	28.27
7521	4.08	24.01	28.21
7523	4.07	23.97	28.20
7525	4.05	23.92	28.10
7527	4.05	23.89	28.10
7529	4.05	23.82	28.01
7531	4.05	23.79	28.00
7533	4.02	23.75	27.95
7535	4.05	23.70	27.91
7537	4.05	23.66	27.86
7539	4.02	23.65	27.78
7541	4.06	23.60	27.77
7543	4.05	23.55	27.72
7545	4.02	23.50	27.66
7547	4.03	23.49	27.65
7549	4.07	23.45	27.59
7551	4.01	23.37	27.53
7553	4.09	23.37	27.47
7555	4.08	23.34	27.48
7557	4.02	23.27	27.39
7559	4.06	23.25	27.34
7561	4.04	23.20	27.31
7563	4.04	23.14	27.25
7565	4.05	23.10	27.19
7567	4.01	23.09	27.16
7569	4.05	23.03	27.15
7571	4.05	22.98	27.11
7573	4.05	22.95	27.03
7575	4.02	22.89	26.97
7577	4.07	22.86	26.92
7579	4.06	22.82	26.92
7581	4.02	22.78	26.86
7583	4.07	22.74	26.82
7585	4.05	22.72	26.75
7587	4.02	22.66	26.69
7589	4.04	22.61	26.71
7591	4.06	22.57	26.65
7593	4.00	22.53	26.56
7595	4.04	22.48	26.51
7597	4.00	22.45	26.46

7599	3.99	22.39	26.41
7601	3.97	22.35	26.37
7603	4.04	22.30	26.35
7605	4.03	22.26	26.28
7607	4.03	22.24	26.25
7609	4.00	22.18	26.21
7611	4.02	22.13	26.11
7613	4.06	22.11	26.10
7615	4.02	22.10	26.08
7617	4.02	22.04	26.02
7619	4.04	22.03	25.94
7621	4.02	21.95	25.90
7623	4.04	21.92	25.88
7625	4.04	21.91	25.84
7627	4.01	21.86	25.80
7629	4.01	21.80	25.73
7631	4.02	21.79	25.71
7633	4.00	21.73	25.63
7635	4.00	21.66	25.60
7637	4.03	21.63	25.55
7639	3.98	21.60	25.52
7641	3.95	21.56	25.44
7643	4.00	21.52	25.41
7645	3.98	21.49	25.35
7647	3.97	21.43	25.30
7649	3.98	21.38	25.25
7651	3.97	21.39	25.23
7653	3.96	21.34	25.19
7655	3.94	21.30	25.09
7657	3.98	21.24	25.07
7659	3.96	21.22	25.05
7661	3.93	21.15	24.96
7663	3.98	21.13	24.96
7665	3.96	21.12	24.89
7667	3.93	21.04	24.83
7669	3.97	21.01	24.80
7671	3.95	20.99	24.77
7673	3.93	20.94	24.68
7675	3.94	20.90	24.66
7677	3.97	20.86	24.62
7679	3.92	20.80	24.55
7681	3.95	20.79	24.52
7683	3.94	20.74	24.45
7685	3.93	20.70	24.42
7687	3.92	20.66	24.38
7689	3.95	20.65	24.40
7691	3.93	20.63	24.34

7693	4.00	20.59	24.28
7695	4.03	20.57	24.25
7697	4.06	20.52	24.25
7699	3.99	20.48	24.20
7701	4.04	20.43	24.16
7703	3.99	20.38	24.10
7705	3.95	20.34	23.99
7707	3.96	20.28	23.94
7709	3.96	20.23	23.86
7711	3.92	20.18	23.80
7713	3.95	20.18	23.80
7715	3.97	20.16	23.76
7717	3.99	20.12	23.68
7719	4.00	20.08	23.67
7721	4.05	20.06	23.67
7723	4.01	20.02	23.64
7725	4.02	19.97	23.55
7727	3.99	19.90	23.47
7729	3.92	19.88	23.43
7731	3.94	19.82	23.39
7733	3.91	19.79	23.32
7735	3.89	19.76	23.23
7737	3.92	19.72	23.20
7739	3.97	19.72	23.25
7741	3.97	19.69	23.19
7743	4.00	19.67	23.14
7745	4.03	19.62	23.12
7747	4.04	19.59	23.05
7749	3.99	19.54	23.01
7751	3.97	19.49	22.93
7753	3.93	19.45	22.90
7755	3.95	19.39	22.83
7757	3.92	19.37	22.78
7759	3.92	19.31	22.71
7761	3.96	19.28	22.70
7763	3.95	19.28	22.68
7765	3.96	19.23	22.63
7767	3.98	19.23	22.67
7769	4.02	19.18	22.59
7771	4.01	19.15	22.55
7773	4.05	19.10	22.51
7775	3.92	19.05	22.47
7777	3.91	18.96	22.37
7779	3.90	18.96	22.37
7781	3.87	18.89	22.28
7783	3.95	18.88	22.23
7785	3.94	18.85	22.24

7787	3.97	18.83	22.21
7789	3.98	18.82	22.18
7791	4.01	18.78	22.16
7793	3.98	18.72	22.07
7795	3.97	18.68	22.04
7797	3.96	18.63	21.99
7799	3.93	18.58	21.92
7801	3.92	18.55	21.88
7803	3.92	18.52	21.79
7805	3.93	18.48	21.77
7807	4.00	18.47	21.78
7809	4.00	18.46	21.74
7811	3.96	18.40	21.74
7813	4.01	18.36	21.71
7815	3.94	18.32	21.67
7817	3.92	18.25	21.54
7819	3.90	18.23	21.48
7821	3.90	18.23	21.45
7823	3.91	18.15	21.41
7825	3.96	18.17	21.40
7827	3.97	18.12	21.39
7829	3.99	18.11	21.36
7831	4.01	18.06	21.35
7833	3.95	18.01	21.27
7835	3.93	17.97	21.17
7837	3.91	17.92	21.15
7839	3.85	17.87	21.05
7841	3.89	17.85	21.05
7843	3.96	17.85	21.06
7845	3.96	17.79	20.98
7847	3.99	17.78	20.99
7849	3.99	17.74	20.99
7851	3.96	17.70	20.92
7853	4.01	17.65	20.88
7855	3.94	17.62	20.77
7857	3.90	17.57	20.69
7859	3.90	17.52	20.69
7861	3.91	17.47	20.62
7863	3.93	17.45	20.61
7865	3.95	17.43	20.62
7867	3.96	17.40	20.53
7869	4.00	17.37	20.55
7871	4.00	17.36	20.51
7873	3.97	17.30	20.49
7875	4.01	17.29	20.39
7877	3.90	17.20	20.36
7879	3.92	17.21	20.30

7881	3.91	17.15	20.24
7883	3.84	17.09	20.18
7885	3.87	17.05	20.14
7887	3.93	17.05	20.14
7889	3.92	17.02	20.11
7891	3.98	17.00	20.09
7893	4.01	16.98	20.06
7895	3.99	16.92	20.01
7897	3.98	16.89	19.96
7899	3.98	16.86	19.95
7901	3.92	16.77	19.85
7903	3.92	16.73	19.76
7905	3.90	16.73	19.78
7907	3.86	16.68	19.69
7909	3.88	16.63	19.68
7911	3.95	16.63	19.68
7913	3.97	16.62	19.63
7915	3.96	16.56	19.60
7917	4.00	16.56	19.58
7919	3.96	16.51	19.51
7921	3.97	16.48	19.50
7923	3.95	16.43	19.44
7925	3.94	16.37	19.37
7927	3.90	16.34	19.35
7929	3.91	16.31	19.30
7931	3.89	16.26	19.22
7933	3.91	16.22	19.20
7935	3.91	16.19	19.16
7937	3.90	16.16	19.16
7939	3.86	16.10	19.09
7941	3.88	16.08	19.07
7943	3.86	16.06	19.02
7945	3.84	16.01	18.95
7947	3.87	16.01	18.94
7949	3.88	15.98	18.91
7951	3.88	15.91	18.86
7953	3.90	15.90	18.84
7955	3.92	15.89	18.85
7957	3.90	15.82	18.77
7959	3.96	15.82	18.73
7961	3.94	15.79	18.75
7963	3.96	15.76	18.67
7965	3.98	15.77	18.64
7967	3.95	15.71	18.60
7969	3.91	15.67	18.53
7971	3.98	15.63	18.56
7973	3.96	15.65	18.51

7975	3.94	15.60	18.43
7977	3.97	15.57	18.44
7979	3.98	15.53	18.40
7981	3.95	15.49	18.33
7983	3.97	15.47	18.33
7985	3.98	15.46	18.26
7987	3.93	15.39	18.26
7989	3.97	15.38	18.18
7991	3.95	15.33	18.15
7993	3.94	15.29	18.10
7995	3.94	15.26	18.07
7997	3.92	15.24	18.05
7999	3.90	15.19	17.98
8001	3.93	15.15	17.96
8003	3.88	15.12	17.89
8005	3.85	15.06	17.80
8007	3.84	15.02	17.77
8009	3.89	14.99	17.79
8011	3.85	14.98	17.70
8013	3.88	14.93	17.68
8015	3.88	14.88	17.61
8017	3.87	14.85	17.58
8019	3.88	14.84	17.56
8021	3.92	14.82	17.54
8023	3.91	14.77	17.51
8025	3.91	14.73	17.46
8027	3.91	14.73	17.44
8029	3.90	14.69	17.41
8031	3.93	14.64	17.38
8033	3.95	14.63	17.38
8035	3.92	14.61	17.30
8037	3.93	14.57	17.29
8039	3.95	14.55	17.28
8041	3.93	14.51	17.22
8043	3.94	14.49	17.18
8045	3.95	14.45	17.16
8047	3.96	14.42	17.11
8049	3.94	14.40	17.07
8051	3.97	14.36	17.05
8053	3.95	14.34	17.02
8055	3.93	14.27	16.96
8057	3.95	14.28	16.93
8059	3.95	14.23	16.88
8061	3.91	14.19	16.83
8063	3.92	14.18	16.80
8065	3.93	14.15	16.76
8067	3.91	14.08	16.72

8069	3.91	14.06	16.67
8071	3.91	14.03	16.66
8073	3.89	14.00	16.61
8075	3.90	13.95	16.58
8077	3.89	13.94	16.57
8079	3.87	13.90	16.50
8081	3.89	13.85	16.43
8083	3.86	13.84	16.42
8085	3.91	13.83	16.40
8087	3.88	13.78	16.32
8089	3.91	13.77	16.33
8091	3.92	13.75	16.29
8093	3.88	13.70	16.23
8095	3.91	13.68	16.23
8097	3.93	13.66	16.19
8099	3.90	13.62	16.15
8101	3.93	13.59	16.12
8103	3.93	13.58	16.11
8105	3.92	13.54	16.03
8107	3.91	13.51	15.99
8109	3.90	13.45	15.95
8111	3.90	13.41	15.93
8113	3.85	13.38	15.90
8115	3.85	13.35	15.81
8117	3.87	13.33	15.77
8119	3.85	13.29	15.72
8121	3.87	13.26	15.68
8123	3.84	13.24	15.67
8125	3.85	13.22	15.63
8127	3.88	13.20	15.63
8129	3.91	13.17	15.63
8131	3.89	13.16	15.59
8133	3.89	13.14	15.56
8135	3.92	13.11	15.54
8137	3.91	13.08	15.49
8139	3.90	13.06	15.46
8141	3.89	13.01	15.41
8143	3.87	12.96	15.35
8145	3.86	12.91	15.31
8147	3.86	12.89	15.30
8149	3.84	12.84	15.21
8151	3.80	12.82	15.19
8153	3.84	12.82	15.20
8155	3.79	12.79	15.11
8157	3.84	12.75	15.08
8159	3.83	12.73	15.09
8161	3.87	12.71	15.05

8163	3.86	12.68	15.00
8165	3.89	12.68	15.00
8167	3.87	12.63	14.96
8169	3.90	12.61	14.93
8171	3.90	12.62	14.92
8173	3.91	12.57	14.88
8175	3.92	12.54	14.84
8177	3.90	12.51	14.83
8179	3.90	12.46	14.76
8181	3.90	12.45	14.76
8183	3.89	12.44	14.70
8185	3.92	12.40	14.70
8187	3.89	12.38	14.66
8189	3.87	12.34	14.59
8191	3.89	12.31	14.56
8193	3.87	12.31	14.55
8195	3.88	12.25	14.53
8197	3.90	12.25	14.47
8199	3.86	12.18	14.40
8201	3.90	12.16	14.42
8203	3.92	12.11	14.38
8205	3.88	12.08	14.33
8207	3.89	12.07	14.29
8209	3.86	12.03	14.26
8211	3.89	11.99	14.23
8213	3.91	12.02	14.22
8215	3.86	11.96	14.16
8217	3.88	11.94	14.14
8219	3.85	11.89	14.08
8221	3.86	11.86	14.07
8223	3.89	11.86	14.06
8225	3.89	11.83	14.03
8227	3.88	11.81	14.00
8229	3.90	11.79	13.98
8231	3.88	11.76	13.93
8233	3.86	11.71	13.88
8235	3.88	11.71	13.88
8237	3.86	11.66	13.85
8239	3.91	11.66	13.78
8241	3.86	11.64	13.74
8243	3.83	11.58	13.71
8245	3.85	11.57	13.65
8247	3.88	11.55	13.66
8249	3.82	11.51	13.60
8251	3.82	11.48	13.56
8253	3.79	11.45	13.52
8255	3.76	11.40	13.43

8257	3.80	11.40	13.44
8259	3.78	11.34	13.39
8261	3.76	11.31	13.33
8263	3.83	11.31	13.37
8265	3.79	11.28	13.31
8267	3.76	11.24	13.25
8269	3.81	11.22	13.24
8271	3.77	11.23	13.27
8273	3.79	11.18	13.17
8275	3.77	11.17	13.14
8277	3.82	11.14	13.13
8279	3.77	11.09	13.11
8281	3.78	11.09	13.08
8283	3.83	11.05	13.05
8285	3.80	11.04	13.03
8287	3.83	11.01	13.03
8289	3.79	10.97	12.95
8291	3.81	10.94	12.94
8293	3.83	10.93	12.91
8295	3.82	10.92	12.91
8297	3.79	10.88	12.84
8299	3.89	10.90	12.88
8301	3.85	10.84	12.82
8303	3.85	10.83	12.77
8305	3.89	10.81	12.75
8307	3.85	10.81	12.74
8309	3.85	10.76	12.71
8311	3.87	10.76	12.68
8313	3.85	10.71	12.63
8315	3.81	10.66	12.58
8317	3.80	10.65	12.55
8319	3.84	10.62	12.55
8321	3.76	10.58	12.47
8323	3.79	10.58	12.42
8325	3.76	10.55	12.42
8327	3.74	10.50	12.34
8329	3.76	10.47	12.35
8331	3.76	10.46	12.30
8333	3.79	10.41	12.25
8335	3.83	10.43	12.27
8337	3.77	10.39	12.24
8339	3.80	10.37	12.24
8341	3.83	10.37	12.21
8343	3.84	10.35	12.22
8345	3.84	10.34	12.16
8347	3.85	10.34	12.14
8349	3.83	10.29	12.12

8351	3.83	10.26	12.07
8353	3.87	10.23	12.07
8355	3.85	10.23	12.03
8357	3.81	10.18	12.00
8359	3.83	10.15	11.97
8361	3.82	10.16	11.96
8363	3.78	10.11	11.90
8365	3.81	10.07	11.87
8367	3.81	10.08	11.88
8369	3.80	10.02	11.80
8371	3.80	9.99	11.82
8373	3.80	9.99	11.75
8375	3.79	9.96	11.72
8377	3.77	9.92	11.68
8379	3.80	9.91	11.66
8381	3.72	9.87	11.59
8383	3.76	9.85	11.56
8385	3.73	9.83	11.52
8387	3.71	9.79	11.50
8389	3.73	9.76	11.49
8391	3.70	9.74	11.45
8393	3.73	9.71	11.40
8395	3.76	9.72	11.40
8397	3.74	9.66	11.38
8399	3.73	9.64	11.34
8401	3.76	9.64	11.33
8403	3.74	9.62	11.34
8405	3.74	9.58	11.28
8407	3.74	9.61	11.25
8409	3.77	9.57	11.25
8411	3.77	9.52	11.19
8413	3.82	9.53	11.20
8415	3.81	9.52	11.18
8417	3.80	9.49	11.15
8419	3.82	9.48	11.13
8421	3.79	9.44	11.09
8423	3.82	9.45	11.08
8425	3.82	9.44	11.06
8427	3.77	9.39	11.00
8429	3.81	9.39	11.01
8431	3.79	9.35	10.96
8433	3.81	9.34	10.95
8435	3.84	9.32	10.93
8437	3.78	9.27	10.87
8439	3.80	9.25	10.86
8441	3.80	9.25	10.84
8443	3.78	9.19	10.79

8445	3.79	9.20	10.79
8447	3.80	9.20	10.78
8449	3.79	9.15	10.75
8451	3.80	9.15	10.74
8453	3.79	9.11	10.70
8455	3.77	9.09	10.65
8457	3.79	9.08	10.62
8459	3.80	9.06	10.63
8461	3.79	9.04	10.55
8463	3.81	9.04	10.57
8465	3.78	9.01	10.53
8467	3.76	8.96	10.48
8469	3.82	8.95	10.49
8471	3.83	8.95	10.44
8473	3.82	8.90	10.47
8475	3.77	8.94	10.41
8477	3.75	8.85	10.35
8479	3.77	8.84	10.34
8481	3.77	8.85	10.30
8483	3.76	8.79	10.26
8485	3.76	8.78	10.27
8487	3.73	8.78	10.20
8489	3.71	8.72	10.18
8491	3.71	8.71	10.16
8493	3.69	8.67	10.13
8495	3.71	8.64	10.07
8497	3.71	8.64	10.09
8499	3.69	8.60	10.01
8501	3.66	8.56	9.97
8503	3.71	8.57	10.00
8505	3.69	8.54	9.95
8507	3.68	8.53	9.93
8509	3.73	8.52	9.96
8511	3.69	8.51	9.90
8513	3.71	8.47	9.86
8515	3.71	8.47	9.86
8517	3.70	8.43	9.85
8519	3.74	8.40	9.83
8521	3.76	8.43	9.83
8523	3.71	8.40	9.80
8525	3.77	8.40	9.79
8527	3.76	8.37	9.76
8529	3.73	8.37	9.74
8531	3.78	8.34	9.75
8533	3.73	8.33	9.71
8535	3.76	8.30	9.66
8537	3.76	8.30	9.66

8539	3.75	8.27	9.63
8541	3.77	8.25	9.60
8543	3.77	8.24	9.58
8545	3.74	8.20	9.54
8547	3.75	8.18	9.55
8549	3.74	8.18	9.51
8551	3.76	8.16	9.49
8553	3.76	8.17	9.46
8555	3.73	8.10	9.40
8557	3.74	8.10	9.40
8559	3.72	8.07	9.38
8561	3.70	8.05	9.35
8563	3.71	8.04	9.33
8565	3.68	7.99	9.30
8567	3.68	7.96	9.24
8569	3.67	7.96	9.23
8571	3.66	7.94	9.20
8573	3.70	7.90	9.17
8575	3.62	7.90	9.15
8577	3.63	7.88	9.12
8579	3.70	7.87	9.10
8581	3.64	7.84	9.08
8583	3.65	7.84	9.06
8585	3.67	7.80	9.03
8587	3.62	7.78	9.00
8589	3.65	7.76	8.98
8591	3.66	7.76	8.98
8593	3.63	7.72	8.93
8595	3.65	7.72	8.92
8597	3.66	7.71	8.88
8599	3.61	7.66	8.86
8601	3.63	7.65	8.84
8603	3.69	7.64	8.86
8605	3.62	7.63	8.81
8607	3.64	7.62	8.77
8609	3.63	7.61	8.78
8611	3.64	7.57	8.72
8613	3.64	7.56	8.74
8615	3.65	7.57	8.75
8617	3.63	7.53	8.69
8619	3.64	7.54	8.68
8621	3.65	7.50	8.68
8623	3.64	7.50	8.63
8625	3.66	7.48	8.62
8627	3.66	7.47	8.60
8629	3.63	7.45	8.57
8631	3.66	7.43	8.54

8633	3.64	7.43	8.55
8635	3.63	7.37	8.50
8637	3.61	7.37	8.48
8639	3.67	7.36	8.50
8641	3.61	7.34	8.46
8643	3.65	7.34	8.46
8645	3.67	7.33	8.45
8647	3.65	7.30	8.43
8649	3.64	7.31	8.39
8651	3.70	7.31	8.42
8653	3.66	7.27	8.38
8655	3.68	7.26	8.36
8657	3.69	7.26	8.32
8659	3.66	7.24	8.31
8661	3.70	7.25	8.32
8663	3.69	7.23	8.32
8665	3.69	7.19	8.27
8667	3.71	7.20	8.29
8669	3.69	7.16	8.24
8671	3.71	7.17	8.24
8673	3.69	7.15	8.21
8675	3.70	7.10	8.18
8677	3.73	7.09	8.17
8679	3.69	7.09	8.13
8681	3.64	7.04	8.11
8683	3.67	7.05	8.10
8685	3.65	7.05	8.10
8687	3.64	7.01	8.04
8689	3.65	6.97	8.04
8691	3.62	6.96	7.98
8693	3.63	6.94	7.95
8695	3.62	6.92	7.92
8697	3.61	6.89	7.91
8699	3.60	6.88	7.91
8701	3.58	6.88	7.90
8703	3.59	6.85	7.87
8705	3.62	6.83	7.86
8707	3.62	6.85	7.85
8709	3.59	6.85	7.81
8711	3.63	6.82	7.81
8713	3.63	6.82	7.81
8715	3.66	6.81	7.80
8717	3.69	6.82	7.82
8719	3.66	6.80	7.77
8721	3.66	6.78	7.75
8723	3.67	6.80	7.74
8725	3.64	6.77	7.68

8727	3.63	6.72	7.66
8729	3.64	6.71	7.69
8731	3.63	6.70	7.63
8733	3.61	6.67	7.59
8735	3.57	6.66	7.60
8737	3.58	6.60	7.52
8739	3.55	6.60	7.54
8741	3.62	6.60	7.54
8743	3.56	6.59	7.49
8745	3.60	6.58	7.53
8747	3.58	6.56	7.49
8749	3.59	6.56	7.49
8751	3.63	6.57	7.52
8753	3.66	6.60	7.46
8755	3.66	6.58	7.48
8757	3.65	6.55	7.49
8759	3.63	6.54	7.40
8761	3.62	6.51	7.41
8763	3.65	6.51	7.41
8765	3.60	6.47	7.37
8767	3.58	6.48	7.35
8769	3.58	6.46	7.29
8771	3.58	6.38	7.24
8773	3.55	6.40	7.24
8775	3.55	6.38	7.21
8777	3.54	6.36	7.19
8779	3.58	6.35	7.20
8781	3.54	6.33	7.15
8783	3.54	6.33	7.17
8785	3.56	6.34	7.20
8787	3.56	6.31	7.16
8789	3.58	6.32	7.14
8791	3.59	6.29	7.11
8793	3.59	6.29	7.13
8795	3.63	6.30	7.15
8797	3.61	6.27	7.12
8799	3.62	6.27	7.11
8801	3.61	6.27	7.07
8803	3.62	6.23	7.06
8805	3.65	6.27	7.08
8807	3.62	6.25	7.02
8809	3.66	6.23	7.03
8811	3.61	6.25	7.01
8813	3.62	6.21	6.98
8815	3.62	6.20	7.01
8817	3.61	6.22	6.95
8819	3.58	6.16	6.90

8821	3.56	6.16	6.90
8823	3.58	6.15	6.89
8825	3.56	6.12	6.87
8827	3.56	6.14	6.86
8829	3.57	6.10	6.81
8831	3.51	6.08	6.79
8833	3.55	6.06	6.81
8835	3.48	6.05	6.77
8837	3.53	6.05	6.77
8839	3.50	6.03	6.74
8841	3.52	6.00	6.71
8843	3.50	6.02	6.69
8845	3.50	5.98	6.69
8847	3.52	5.99	6.68
8849	3.53	5.99	6.69
8851	3.51	5.95	6.66
8853	3.52	5.95	6.64
8855	3.52	5.97	6.64
8857	3.52	5.91	6.63
8859	3.53	5.91	6.65
8861	3.57	5.94	6.59
8863	3.56	5.94	6.60
8865	3.58	5.95	6.62
8867	3.59	5.93	6.60
8869	3.56	5.89	6.56
8871	3.57	5.91	6.58
8873	3.61	5.90	6.58
8875	3.55	5.90	6.56
8877	3.59	5.90	6.55
8879	3.61	5.87	6.49
8881	3.60	5.87	6.50
8883	3.59	5.87	6.49
8885	3.57	5.86	6.48
8887	3.59	5.85	6.49
8889	3.58	5.84	6.47
8891	3.57	5.83	6.43
8893	3.57	5.83	6.43
8895	3.57	5.82	6.43
8897	3.56	5.82	6.37
8899	3.60	5.81	6.41
8901	3.59	5.78	6.40
8903	3.58	5.76	6.36
8905	3.56	5.75	6.38
8907	3.58	5.74	6.32
8909	3.60	5.75	6.36
8911	3.55	5.74	6.32
8913	3.55	5.70	6.28

8915	3.54	5.71	6.32
8917	3.55	5.69	6.26
8919	3.53	5.65	6.26
8921	3.53	5.67	6.25
8923	3.49	5.63	6.18
8925	3.55	5.64	6.21
8927	3.50	5.62	6.18
8929	3.47	5.62	6.15
8931	3.51	5.61	6.14
8933	3.44	5.60	6.15
8935	3.46	5.56	6.12
8937	3.49	5.57	6.09
8939	3.46	5.54	6.06
8941	3.46	5.54	6.09
8943	3.44	5.54	6.06
8945	3.43	5.54	6.04
8947	3.45	5.55	6.06
8949	3.47	5.54	6.05
8951	3.47	5.51	6.04
8953	3.47	5.52	6.03
8955	3.44	5.49	5.98
8957	3.47	5.47	5.98
8959	3.50	5.51	6.00
8961	3.47	5.48	5.98
8963	3.48	5.47	5.97
8965	3.46	5.45	5.96
8967	3.45	5.46	5.93
8969	3.47	5.47	5.95
8971	3.44	5.46	5.94
8973	3.46	5.42	5.89
8975	3.47	5.43	5.91
8977	3.45	5.39	5.85
8979	3.45	5.40	5.86
8981	3.45	5.40	5.88
8983	3.43	5.39	5.83
8985	3.45	5.39	5.85
8987	3.42	5.37	5.85
8989	3.42	5.35	5.80
8991	3.48	5.37	5.84
8993	3.48	5.36	5.83
8995	3.44	5.35	5.79
8997	3.49	5.37	5.82
8999	3.46	5.35	5.81
9001	3.50	5.35	5.82
9003	3.50	5.35	5.81
9005	3.50	5.32	5.80
9007	3.49	5.36	5.80

9009	3.50	5.33	5.80
9011	3.47	5.33	5.74
9013	3.51	5.33	5.77
9015	3.47	5.30	5.76
9017	3.45	5.28	5.69
9019	3.47	5.26	5.69
9021	3.45	5.26	5.65
9023	3.41	5.24	5.63
9025	3.43	5.25	5.63
9027	3.42	5.23	5.59
9029	3.42	5.23	5.63
9031	3.44	5.22	5.64
9033	3.42	5.19	5.61
9035	3.46	5.24	5.63
9037	3.44	5.20	5.60
9039	3.46	5.21	5.59
9041	3.47	5.24	5.63
9043	3.47	5.22	5.61
9045	3.49	5.22	5.62
9047	3.47	5.23	5.57
9049	3.49	5.22	5.60
9051	3.48	5.18	5.59
9053	3.48	5.19	5.54
9055	3.48	5.19	5.57
9057	3.47	5.18	5.56
9059	3.43	5.15	5.52
9061	3.46	5.18	5.55
9063	3.43	5.16	5.51
9065	3.45	5.16	5.51
9067	3.44	5.14	5.48
9069	3.42	5.13	5.50
9071	3.47	5.14	5.49
9073	3.44	5.13	5.44
9075	3.41	5.12	5.45
9077	3.45	5.15	5.48
9079	3.41	5.09	5.43
9081	3.43	5.11	5.45
9083	3.42	5.07	5.39
9085	3.42	5.09	5.39
9087	3.44	5.10	5.46
9089	3.43	5.09	5.39
9091	3.43	5.07	5.40
9093	3.43	5.07	5.37
9095	3.39	5.04	5.33
9097	3.38	5.07	5.32
9099	3.36	5.04	5.32
9101	3.36	5.01	5.32

9103	3.39	5.00	5.31
9105	3.36	5.00	5.31
9107	3.39	5.02	5.30
9109	3.39	5.01	5.31
9111	3.41	4.99	5.32
9113	3.45	5.03	5.36
9115	3.44	5.04	5.33
9117	3.45	5.02	5.30
9119	3.46	5.02	5.35
9121	3.46	5.01	5.30
9123	3.44	5.01	5.28
9125	3.40	4.98	5.26
9127	3.43	4.99	5.29
9129	3.42	4.99	5.28
9131	3.35	4.94	5.24
9133	3.41	4.95	5.23
9135	3.36	4.95	5.21
9137	3.33	4.90	5.15
9139	3.37	4.93	5.21
9141	3.36	4.91	5.17
9143	3.37	4.91	5.18
9145	3.39	4.93	5.19
9147	3.37	4.91	5.16
9149	3.36	4.91	5.17
9151	3.38	4.92	5.18
9153	3.41	4.92	5.15
9155	3.38	4.91	5.15
9157	3.38	4.92	5.17
9159	3.37	4.89	5.11
9161	3.38	4.90	5.14
9163	3.35	4.89	5.12
9165	3.36	4.87	5.12
9167	3.39	4.90	5.15
9169	3.36	4.88	5.13
9171	3.38	4.87	5.12
9173	3.34	4.88	5.10
9175	3.39	4.88	5.10
9177	3.42	4.88	5.11
9179	3.35	4.86	5.07
9181	3.40	4.88	5.10
9183	3.37	4.87	5.10
9185	3.34	4.84	5.07
9187	3.37	4.84	5.05
9189	3.37	4.83	5.06
9191	3.34	4.82	5.06
9193	3.37	4.83	5.02
9195	3.34	4.81	5.01

9197	3.33	4.82	5.05
9199	3.40	4.81	5.01
9201	3.31	4.80	5.00
9203	3.32	4.80	5.01
9205	3.33	4.83	4.99
9207	3.33	4.80	5.00
9209	3.32	4.77	5.01
9211	3.32	4.80	4.96
9213	3.32	4.76	4.95
9215	3.32	4.77	4.95
9217	3.32	4.79	4.97
9219	3.32	4.74	4.92
9221	3.33	4.76	4.93
9223	3.29	4.77	4.92
9225	3.30	4.74	4.90
9227	3.34	4.74	4.95
9229	3.32	4.74	4.92
9231	3.32	4.75	4.91
9233	3.37	4.74	4.94
9235	3.33	4.76	4.93
9237	3.34	4.75	4.94
9239	3.39	4.79	4.94
9241	3.37	4.77	4.93
9243	3.41	4.75	4.96
9245	3.38	4.75	4.93
9247	3.34	4.73	4.91
9249	3.32	4.72	4.87
9251	3.33	4.73	4.88
9253	3.28	4.71	4.85
9255	3.33	4.71	4.85
9257	3.31	4.70	4.84
9259	3.31	4.68	4.83
9261	3.29	4.70	4.87
9263	3.33	4.70	4.86
9265	3.35	4.71	4.87
9267	3.38	4.72	4.87
9269	3.35	4.73	4.87
9271	3.38	4.68	4.87
9273	3.39	4.72	4.87
9275	3.38	4.68	4.84
9277	3.37	4.68	4.84
9279	3.33	4.66	4.77
9281	3.29	4.65	4.79
9283	3.31	4.66	4.80
9285	3.26	4.61	4.76
9287	3.27	4.64	4.77
9289	3.31	4.65	4.76

9291	3.31	4.64	4.79
9293	3.32	4.66	4.79
9295	3.38	4.70	4.82
9297	3.37	4.67	4.81
9299	3.37	4.69	4.81
9301	3.36	4.67	4.81
9303	3.33	4.66	4.76
9305	3.27	4.61	4.74
9307	3.28	4.60	4.72
9309	3.28	4.61	4.68
9311	3.29	4.60	4.69
9313	3.28	4.60	4.73
9315	3.26	4.60	4.70
9317	3.31	4.63	4.73
9319	3.36	4.62	4.75
9321	3.33	4.65	4.71
9323	3.34	4.65	4.73
9325	3.36	4.64	4.76
9327	3.33	4.62	4.73
9329	3.36	4.62	4.75
9331	3.33	4.60	4.68
9333	3.30	4.58	4.66
9335	3.29	4.59	4.66
9337	3.30	4.56	4.67
9339	3.22	4.55	4.64
9341	3.23	4.56	4.65
9343	3.27	4.55	4.62
9345	3.25	4.57	4.60
9347	3.26	4.55	4.63
9349	3.27	4.55	4.66
9351	3.23	4.55	4.61
9353	3.29	4.55	4.63
9355	3.28	4.57	4.64
9357	3.26	4.55	4.59
9359	3.26	4.55	4.64
9361	3.26	4.52	4.63
9363	3.24	4.53	4.58
9365	3.28	4.54	4.63
9367	3.26	4.55	4.59
9369	3.22	4.53	4.59
9371	3.27	4.52	4.59
9373	3.27	4.50	4.59
9375	3.25	4.48	4.54
9377	3.25	4.53	4.58
9379	3.26	4.52	4.58
9381	3.23	4.50	4.54
9383	3.22	4.51	4.55

9385	3.28	4.51	4.56
9387	3.25	4.50	4.55
9389	3.28	4.51	4.58
9391	3.29	4.52	4.57
9393	3.29	4.53	4.57
9395	3.31	4.54	4.60
9397	3.27	4.53	4.56
9399	3.34	4.53	4.60
9401	3.30	4.55	4.60
9403	3.30	4.51	4.56
9405	3.31	4.63	4.61
9407	3.32	4.77	4.59
9409	3.31	4.95	4.59
9411	3.30	5.16	4.63
9413	3.26	5.36	4.62
9415	3.31	5.55	4.67
9417	3.29	5.76	4.74
9419	3.27	5.90	4.80
9421	3.32	6.15	4.92
9423	3.27	6.28	5.01
9425	3.27	6.47	5.09
9427	3.30	6.60	5.22
9429	3.24	6.77	5.29
9431	3.23	6.91	5.42
9433	3.27	7.08	5.58
9435	3.22	7.30	5.69
9437	3.25	7.39	5.84
9439	3.26	7.55	6.00
9441	3.22	7.76	6.11
9443	3.22	7.92	6.28
9445	3.25	8.13	6.44
9447	3.25	8.26	6.57
9449	3.22	8.42	6.77
9451	3.25	8.58	6.93
9453	3.22	8.75	7.07
9455	3.31	8.92	7.29
9457	3.31	9.07	7.48
9459	3.31	9.22	7.62
9461	3.35	9.39	7.80
9463	3.31	9.55	7.99
9465	3.32	9.69	8.11
9467	3.33	9.88	8.30
9469	3.35	10.02	8.47
9471	3.32	10.17	8.60
9473	3.31	10.29	8.77
9475	3.29	10.45	8.93
9477	3.28	10.57	9.06

9479	3.25	10.74	9.19
9481	3.27	10.86	9.42
9483	3.24	11.01	9.53
9485	3.28	11.16	9.69
9487	3.26	11.28	9.86
9489	3.25	11.41	10.00
9491	3.29	11.57	10.20
9493	3.27	11.73	10.34
9495	3.24	11.87	10.48
9497	3.29	11.98	10.68
9499	3.26	12.16	10.84
9501	3.23	12.27	10.98
9503	3.26	12.41	11.14
9505	3.30	12.56	11.33
9507	3.27	12.67	11.46
9509	3.30	12.81	11.62
9511	3.31	12.96	11.77
9513	3.29	13.07	11.91
9515	3.28	13.19	12.10
9517	3.32	13.34	12.26
9519	3.32	13.44	12.37
9521	3.28	13.60	12.53
9523	3.31	13.73	12.71
9525	3.31	13.85	12.83
9527	3.30	13.98	12.99
9529	3.37	14.11	13.18
9531	3.36	14.28	13.34
9533	3.33	14.38	13.45
9535	3.37	14.52	13.61
9537	3.37	14.63	13.77
9539	3.35	14.78	13.90
9541	3.38	14.87	14.05
9543	3.37	15.02	14.21
9545	3.39	15.15	14.32
9547	3.41	15.29	14.49
9549	3.37	15.41	14.59
9551	3.38	15.50	14.74
9553	3.43	15.63	14.89
9555	3.40	15.77	15.04
9557	3.38	15.85	15.16
9559	3.41	15.99	15.29
9561	3.37	16.05	15.45
9563	3.39	16.18	15.57
9565	3.37	16.33	15.73
9567	3.39	16.42	15.83
9569	3.41	16.51	15.98
9571	3.34	16.61	16.10

9573	3.35	16.73	16.23
9575	3.37	16.87	16.37
9577	3.32	16.95	16.50
9579	3.39	17.07	16.62
9581	3.31	17.17	16.71
9583	3.35	17.27	16.87
9585	3.37	17.39	17.02
9587	3.38	17.51	17.14
9589	3.37	17.61	17.27
9591	3.36	17.74	17.41
9593	3.34	17.78	17.49
9595	3.39	17.91	17.64
9597	3.40	18.02	17.77
9599	3.41	18.16	17.89
9601	3.41	18.21	18.04
9603	3.44	18.33	18.13
9605	3.40	18.41	18.24
9607	3.45	18.55	18.39
9609	3.44	18.65	18.50
9611	3.42	18.75	18.65
9613	3.46	18.86	18.76
9615	3.44	18.94	18.86
9617	3.47	19.03	18.99
9619	3.47	19.15	19.10
9621	3.45	19.02	19.21
9623	3.47	18.84	19.30
9625	3.46	18.63	19.37
9627	3.44	18.37	19.39
9629	3.47	18.19	19.40
9631	3.47	17.94	19.40
9633	3.47	17.70	19.39
9635	3.47	17.46	19.39
9637	3.47	17.19	19.35
9639	3.49	17.01	19.30
9641	3.46	16.86	19.22
9643	3.50	16.72	19.16
9645	3.52	16.67	19.09
9647	3.51	16.61	19.00
9649	3.51	16.55	18.95
9651	3.53	16.49	18.89
9653	3.50	16.45	18.77
9655	3.53	16.40	18.72
9657	3.56	16.36	18.66
9659	3.52	16.31	18.60
9661	3.53	16.26	18.52
9663	3.54	16.23	18.45
9665	3.51	16.17	18.40

9667	3.48	16.11	18.29
9669	3.52	16.08	18.25
9671	3.48	16.04	18.16
9673	3.48	15.98	18.09
9675	3.47	15.93	18.03
9677	3.44	15.86	17.95
9679	3.47	15.83	17.91
9681	3.48	15.80	17.89
9683	3.44	15.75	17.80
9685	3.46	15.69	17.72
9687	3.48	15.66	17.68
9689	3.47	15.63	17.60
9691	3.45	15.55	17.55
9693	3.49	15.55	17.52

**STRADDLE PACKER TESTING FIELD INFORMATION**

WELL:	MW-85	INTERVAL:	135	150
PROJECT:	GES - Bishop Tube	CLIENT:	GES	
PERSONNEL:	RC, DD	DATE:	4/1/2026	W.O.#: FS1604

SETTING DEPTHS		DATA COLLECTION CALIBRATION					Initial Pipe Tally:		20
Pump Location:	127.85	Configuration Filename: x							
Upper Packer - Top:	131.7	Current V = static water level (ft)					Pipes That Remain on Truck: 14		
Upper Packer - Bottom:	135	Open Air V = transducer depth (ft)							
Water Intake:	147.9								
Lower Packer - Top:	150								
Lower Packer - Bottom:	153.3								
Assembly Bottom:	155.1								
PACKER INFLATION (psi)		Additional Calibration Notes							
TOP	BOTTOM	Open Air V used from 3/31							
Minimum Required	Minimum Required								
201	208								
Actual PSI Used									
220	240								
TEST SEQUENCE		WATER LEVELS (ft)							
		Open Hole Static Water Level: 3.00							
Begin Logging	8:24								
Start Inflation	8:34								
Begin Pumping	8:51								
End Pumping	9:42								
End Logging	10:41								
PUMPING RECORD									
Pumping Interval:	135								
Pumping Rate:	0.75 gal/min								
Pumping Duration:	0:51								
Maximum Drawdown:	119.75								
Zone Volume	22								
Volume Purged	-30gal								
Nature of Discharge:	Clear								
Recovery Time	0:59								
Percentage Recovery	17.13%								
RATE ADJUSTMENTS									
SUMMARY									

Packer Dimensions	
SPREAD	15 ft
A- Top of Packer to Top of Bladder	3.85 ft
B- Length of Bladder	3.3 ft
C- Bottom of Bladder to Bottom of Packer	3.1 ft
D- Pipe Spread	5.3 ft
Length of Slotted Piece and L-Zap	4.5 ft
E- Top of Packer to Top of Bladder	2.1 ft
F- Length of Bladder	3.3 ft
H- Bottom of Bladder to Bottom of Packer	1.8 ft
Total Length of Top Packer	10.25 ft
Total Length of Bottom Packer	7.2 ft
Total Assembly Length	27.25 ft

Transducer Locations	
Top	2 (Distance Above Upper Packer Top)
Middle	8 (Distance Below Upper Packer Bottom)
Bottom	0 (If Different from Bottom of Assembly)

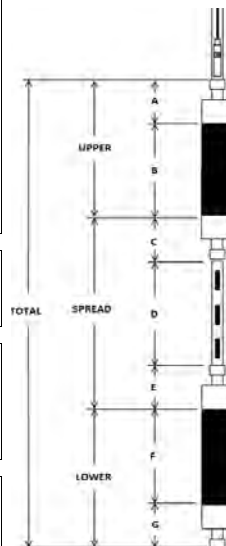
Important Dimensions	
Pipe Lengths	21 ft
Pipe diameter	2.00 in
Upper packer diameter	3.5 in
Lower packer diameter	3.5 in
Well diameter	6 in

Inflation Numbers	
Stretch PSI-Upper	125 PSI
Stretch PSI-Lower	125 PSI
Top Packer Inflation	201 PSI
Bottom Packer Inflation	208 PSI

Pipe Tally	
Stickup	3.2 ft
Point A	127.9 ft
Total Length of Pipe	131.0 ft
No. of Full-Length Pipes	6 pipes
Feet of Odds	5.0 ft

Pump Time	
Number of Volumes To Purge	3 Volumes
Zone Volume	22 gallons
GPM	0.75 gal/min
Run time	88 minutes

Transducer Serial Number	
Top	
Middle	
Bottom	



		PACKER DIAMETER						
		1.8	2.7	3.5	4.0	4.5	5.5	7.3
BOREHOLE DIAMETER	2.25	15						
	2.5	25						
	3	40	25					
	3.5	80	35					
	3.75		44					
	4		50	25				
	4.5		90	40	25			
	5		130	50	30			
	5.5			75	37.5	25		
	6			125	45	30	20	
	6.25			300	55	33	21	
	6.5				65	35	23	
	7				75	44	25	
	7.5				120	59	28	
	8					73	30	100
	8.5					116	45	140
	9						40	180
	9.5						60	275
	10						80	370
	10.5							100

Column1	Column2	Column3	Column4
DASYLab 2016 - 2016			
Worksheet name: MW-85 Zone 2 (135-150) PUMP			
Recording date : 4/1/2026		8:24:14 AM	
Block length : 1			
Delta : 2 sec.			
Number of channels : 3			
Measurement time[s]	Upper Zone [ft]	Pumping Zone [ft]	Lower Zone [ft]
2	2.93	3.16	3.03
4	2.92	3.17	3.04
6	2.94	3.18	3.02
8	2.94	3.18	3.02
10	2.91	3.16	3.03
12	2.92	3.19	3.02
14	2.94	3.17	3.02
16	2.94	3.17	3.02
18	2.98	3.18	3.01
20	2.93	3.17	3.01
22	2.93	3.19	3.03
24	2.93	3.21	3.04
26	2.96	3.18	3.03
28	2.92	3.22	3.02
30	2.97	3.22	3.05
32	2.95	3.22	3.02
34	2.97	3.21	3.02
36	2.91	3.21	3.02
38	2.94	3.23	3.03
40	2.94	3.24	3.03
42	2.94	3.22	3.04
44	2.93	3.21	3.03
46	2.96	3.23	3.03
48	3.00	3.23	3.02
50	2.93	3.23	3.03
52	2.93	3.22	3.04
54	2.96	3.23	3.05
56	2.93	3.23	3.00
58	2.95	3.22	3.04
60	2.94	3.24	3.05
62	2.94	3.24	3.04
64	2.93	3.23	3.03
66	2.94	3.25	3.02
68	2.95	3.24	3.03
70	2.93	3.25	3.01
72	2.91	3.24	3.02
74	2.93	3.23	3.03
76	2.94	3.22	3.00
78	2.98	3.25	3.05

80	2.90	3.23	3.03
82	2.91	3.25	2.99
84	2.92	3.23	3.03
86	2.91	3.24	3.01
88	2.92	3.24	3.02
90	2.91	3.25	3.04
92	2.93	3.25	3.00
94	2.93	3.22	3.02
96	2.95	3.23	3.02
98	2.91	3.25	3.00
100	2.93	3.27	3.02
102	2.93	3.26	3.04
104	2.96	3.26	3.04
106	2.92	3.25	3.01
108	2.92	3.27	3.02
110	2.91	3.26	3.02
112	2.93	3.26	3.02
114	2.92	3.26	3.02
116	2.92	3.27	3.03
118	2.91	3.27	3.02
120	2.94	3.26	3.01
122	2.94	3.27	3.03
124	2.92	3.24	3.01
126	2.90	3.27	3.02
128	2.91	3.25	3.03
130	2.93	3.26	3.02
132	2.91	3.26	3.03
134	2.92	3.28	3.04
136	2.93	3.27	3.03
138	2.90	3.27	3.00
140	2.91	3.26	3.04
142	2.91	3.27	3.03
144	2.89	3.26	3.03
146	2.91	3.26	3.01
148	2.92	3.26	3.03
150	2.91	3.26	3.03
152	2.90	3.28	3.04
154	2.90	3.29	3.02
156	2.90	3.27	3.03
158	2.90	3.29	3.02
160	2.89	3.28	3.02
162	2.96	3.28	3.05
164	2.90	3.30	3.05
166	2.93	3.29	3.03
168	2.89	3.26	3.04
170	2.89	3.29	3.03
172	2.89	3.26	3.04

174	2.92	3.27	3.07
176	2.92	3.28	3.03
178	2.93	3.28	3.02
180	2.92	3.27	3.03
182	2.91	3.29	3.04
184	2.93	3.29	3.01
186	2.93	3.30	3.04
188	2.88	3.26	3.02
190	2.93	3.30	3.04
192	2.90	3.28	3.04
194	2.93	3.28	3.03
196	2.90	3.31	3.04
198	2.91	3.27	3.05
200	2.89	3.29	3.04
202	2.90	3.30	3.04
204	2.90	3.30	3.05
206	2.93	3.30	3.07
208	2.92	3.29	3.05
210	2.92	3.30	3.03
212	2.92	3.32	3.06
214	2.92	3.31	3.05
216	2.92	3.30	3.04
218	2.95	3.31	3.07
220	2.93	3.32	3.07
222	2.89	3.31	3.04
224	2.94	3.33	3.05
226	2.90	3.30	3.01
228	2.94	3.30	3.05
230	2.94	3.33	3.06
232	2.94	3.30	3.07
234	2.94	3.33	3.04
236	2.91	3.32	3.05
238	2.94	3.32	3.05
240	2.93	3.31	3.05
242	2.93	3.31	3.04
244	2.89	3.31	3.06
246	2.93	3.34	3.05
248	2.92	3.30	3.06
250	2.94	3.33	3.05
252	2.93	3.32	3.05
254	2.93	3.32	3.05
256	2.94	3.34	3.07
258	2.94	3.33	3.05
260	2.94	3.32	3.07
262	2.96	3.34	3.06
264	2.93	3.32	3.06
266	2.96	3.33	3.08

268	2.92	3.33	3.06
270	2.90	3.33	3.04
272	2.93	3.30	3.07
274	2.95	3.33	3.05
276	2.91	3.31	3.05
278	2.91	3.33	3.05
280	2.92	3.30	3.05
282	2.90	3.31	3.06
284	2.93	3.30	3.03
286	2.92	3.33	3.03
288	2.94	3.33	3.05
290	2.90	3.32	3.05
292	2.91	3.32	3.06
294	2.88	3.33	3.07
296	2.90	3.33	3.02
298	2.91	3.30	3.03
300	2.91	3.35	3.03
302	2.89	3.33	3.03
304	2.95	3.32	3.06
306	2.92	3.32	3.04
308	2.92	3.31	3.04
310	2.93	3.32	3.05
312	2.91	3.30	3.02
314	2.92	3.35	3.05
316	2.90	3.32	3.06
318	2.90	3.33	3.06
320	2.90	3.35	3.05
322	2.91	3.34	3.07
324	2.95	3.34	3.05
326	2.94	3.32	3.05
328	2.91	3.34	3.05
330	2.91	3.32	3.07
332	2.89	3.35	3.04
334	2.93	3.34	3.08
336	2.93	3.34	3.08
338	2.89	3.35	3.06
340	2.90	3.34	3.07
342	2.93	3.33	3.04
344	2.91	3.34	3.06
346	2.94	3.35	3.06
348	2.93	3.34	3.04
350	2.89	3.33	3.07
352	2.92	3.34	3.06
354	2.90	3.31	3.05
356	2.88	3.33	3.07
358	2.88	3.31	3.03
360	2.90	3.33	3.04

362	2.89	3.31	3.07
364	2.89	3.33	3.05
366	2.91	3.32	3.07
368	2.90	3.35	3.07
370	2.89	3.34	3.04
372	2.88	3.35	3.07
374	2.88	3.31	3.07
376	2.89	3.32	3.07
378	2.91	3.35	3.05
380	2.88	3.34	3.06
382	2.89	3.33	3.09
384	2.88	3.33	3.05
386	2.92	3.34	3.06
388	2.93	3.34	3.07
390	2.86	3.34	3.04
392	2.89	3.34	3.09
394	2.90	3.35	3.04
396	2.87	3.35	3.05
398	2.92	3.35	3.05
400	2.90	3.33	3.05
402	2.89	3.34	3.04
404	2.92	3.32	3.06
406	2.92	3.31	3.07
408	2.91	3.34	3.04
410	2.91	3.34	3.05
412	2.90	3.32	3.06
414	2.94	3.35	3.09
416	2.89	3.33	3.08
418	2.93	3.34	3.04
420	2.92	3.36	3.07
422	2.90	3.34	3.06
424	2.90	3.38	3.07
426	2.88	3.35	3.05
428	2.92	3.34	3.06
430	2.91	3.37	3.08
432	2.94	3.34	3.06
434	2.91	3.36	3.06
436	2.88	3.37	3.06
438	2.95	3.36	3.08
440	2.90	3.35	3.07
442	2.96	3.37	3.07
444	2.89	3.37	3.07
446	2.90	3.37	3.08
448	2.91	3.35	3.08
450	2.92	3.36	3.09
452	2.93	3.38	3.10
454	2.91	3.37	3.08

456	2.89	3.36	3.09
458	2.93	3.36	3.09
460	2.92	3.34	3.09
462	2.93	3.35	3.08
464	2.92	3.36	3.10
466	2.93	3.37	3.07
468	2.89	3.37	3.07
470	2.92	3.37	3.06
472	2.88	3.37	3.08
474	2.93	3.37	3.08
476	2.90	3.36	3.09
478	2.88	3.37	3.07
480	2.90	3.34	3.08
482	2.91	3.36	3.05
484	2.92	3.36	3.07
486	2.88	3.35	3.05
488	2.90	3.37	3.09
490	2.87	3.35	3.06
492	2.90	3.34	3.08
494	2.88	3.34	3.06
496	2.87	3.37	3.08
498	2.89	3.36	3.08
500	2.92	3.34	3.07
502	2.91	3.34	3.06
504	2.87	3.35	3.08
506	2.92	3.36	3.08
508	2.93	3.32	3.06
510	2.91	3.36	3.09
512	2.92	3.35	3.08
514	2.93	3.36	3.06
516	2.92	3.36	3.07
518	2.88	3.36	3.06
520	2.90	3.36	3.10
522	2.90	3.36	3.08
524	2.89	3.37	3.07
526	2.92	3.37	3.08
528	2.89	3.35	3.10
530	2.88	3.36	3.08
532	2.90	3.36	3.09
534	2.91	3.35	3.08
536	2.92	3.35	3.08
538	2.89	3.35	3.09
540	2.92	3.36	3.08
542	2.88	3.35	3.07
544	2.89	3.35	3.09
546	2.88	3.37	3.08
548	2.92	3.37	3.05

550	2.89	3.37	3.08
552	2.89	3.34	3.09
554	2.91	3.35	3.08
556	2.92	3.35	3.07
558	2.86	3.36	3.06
560	2.89	3.35	3.07
562	2.87	3.37	3.06
564	2.91	3.36	3.08
566	2.90	3.37	3.07
568	2.88	3.36	3.08
570	2.87	3.35	3.08
572	2.90	3.37	3.07
574	2.90	3.36	3.06
576	2.92	3.36	3.09
578	2.90	3.36	3.07
580	2.91	3.38	3.11
582	2.91	3.39	3.10
584	3.35	4.03	3.45
586	2.76	3.22	2.88
588	2.84	3.28	3.01
590	2.79	3.25	2.96
592	2.73	3.18	2.91
594	2.68	3.11	2.84
596	2.61	3.11	2.77
598	2.55	3.03	2.70
600	2.51	2.97	2.64
602	2.46	2.90	2.58
604	2.39	2.85	2.53
606	2.33	2.83	2.48
608	2.32	2.81	2.45
610	2.28	2.76	2.40
612	2.27	2.72	2.38
614	2.23	2.68	2.31
616	2.21	2.65	2.30
618	2.14	2.63	2.29
620	2.15	2.60	2.23
622	2.07	2.58	2.20
624	2.02	2.52	2.19
626	2.06	2.52	2.17
628	2.01	2.44	2.13
630	1.98	2.45	2.10
632	1.97	2.43	2.05
634	1.96	2.37	2.04
636	1.91	2.36	1.99
638	1.93	2.34	1.96
640	1.95	2.32	1.95
642	1.92	2.30	1.92

644	1.92	2.27	1.90
646	1.91	2.26	1.91
648	1.92	2.24	1.85
650	1.92	2.21	1.86
652	1.96	2.24	1.89
654	1.90	2.25	1.86
656	1.94	2.23	1.89
658	1.95	2.25	1.86
660	1.92	2.26	1.88
662	1.91	2.24	1.85
664	1.96	2.19	1.82
666	1.95	2.24	1.88
668	1.97	2.21	1.83
670	1.98	2.20	1.82
672	1.98	2.23	1.85
674	1.97	2.21	1.84
676	1.99	2.21	1.86
678	1.98	2.21	1.85
680	1.98	2.20	1.85
682	2.01	2.25	1.94
684	2.01	1.13	0.67
686	2.03	0.93	0.45
688	2.00	0.29	-0.19
690	2.02	-0.37	-0.89
692	2.02	-1.00	-1.61
694	2.04	-1.72	-2.31
696	2.01	-2.37	-2.99
698	2.03	-2.97	-3.63
700	2.01	-2.99	-3.69
702	2.00	-3.00	-3.68
704	1.98	-2.87	-3.55
706	1.93	-2.65	-3.30
708	1.92	-2.58	-3.25
710	1.89	-2.57	-3.23
712	1.85	-2.58	-3.22
714	1.85	-2.82	-3.48
716	1.85	-2.91	-3.57
718	1.85	-2.90	-3.61
720	1.83	-2.89	-3.62
722	1.82	-2.87	-3.54
724	1.79	-2.78	-3.44
726	1.76	-2.63	-3.28
728	1.75	-2.60	-3.24
730	1.71	-2.58	-3.24
732	1.70	-2.82	-3.50
734	1.72	-2.82	-3.49
736	1.70	-2.65	-3.42

738	1.70	-2.53	-4.80
740	1.65	-2.60	-8.42
742	1.68	-2.60	-11.83
744	1.67	-2.60	-13.04
746	1.66	-2.65	-12.50
748	1.65	-2.65	-12.09
750	1.65	-2.59	-14.50
752	1.66	-2.68	-18.58
754	1.69	-2.71	-23.23
756	1.63	-2.51	-27.82
758	1.65	-2.70	-31.83
760	1.66	-2.61	-34.25
762	1.66	-2.62	-34.95
764	1.67	-2.58	-34.56
766	1.68	-2.54	-34.43
768	1.68	-2.52	-36.00
770	1.70	-2.55	-38.39
772	1.71	-2.51	-40.94
774	1.71	-2.44	-42.49
776	1.68	-2.49	-42.84
778	1.70	-2.43	-42.36
780	1.69	-2.43	-41.46
782	1.71	-2.40	-40.50
784	1.72	-2.39	-39.58
786	1.69	-2.34	-38.67
788	1.71	-2.30	-37.78
790	1.71	-2.30	-36.96
792	1.71	-2.30	-36.12
794	1.74	-2.27	-35.31
796	1.75	-2.23	-34.53
798	1.71	-2.23	-33.80
800	1.73	-2.20	-33.06
802	1.72	-2.19	-32.38
804	1.74	-2.13	-31.66
806	1.74	-2.14	-30.99
808	1.72	-2.09	-30.28
810	1.73	-2.08	-29.64
812	1.74	-2.06	-29.01
814	1.75	-2.03	-28.43
816	1.74	-2.00	-27.84
818	1.75	-1.98	-27.28
820	1.73	-2.36	-27.86
822	1.76	-1.94	-27.64
824	1.72	-1.93	-26.77
826	1.73	-1.89	-25.91
828	1.77	-1.84	-25.10
830	1.76	-1.80	-24.31

832	1.78	-1.78	-23.53
834	1.74	-1.77	-22.79
836	1.75	-1.70	-22.06
838	1.77	-1.68	-21.38
840	1.79	-1.65	-20.71
842	1.76	-1.62	-20.03
844	1.75	-1.59	-19.44
846	1.76	-1.56	-18.85
848	1.80	-1.53	-18.25
850	1.80	-1.52	-17.68
852	1.79	-1.49	-17.19
854	1.76	-1.46	-16.64
856	1.78	-1.44	-16.15
858	1.76	-1.43	-15.69
860	1.75	-1.39	-15.24
862	1.79	-1.34	-14.74
864	1.78	-1.32	-14.30
866	1.80	-1.30	-13.90
868	1.79	-1.29	-13.48
870	1.81	-1.25	-13.07
872	1.83	-1.19	-12.71
874	1.82	-1.16	-12.31
876	1.81	-1.17	-11.97
878	1.82	-1.14	-11.66
880	1.82	-1.11	-11.30
882	1.82	-1.10	-10.99
884	1.80	-1.05	-10.69
886	1.83	-1.02	-10.38
888	1.80	-1.00	-10.07
890	1.84	-0.98	-9.81
892	1.81	-0.94	-9.50
894	1.83	-0.92	-9.25
896	1.82	-0.90	-8.99
898	1.83	-0.86	-8.76
900	1.85	-0.86	-8.53
902	1.85	-0.84	-8.29
904	1.85	-0.79	-8.07
906	1.87	-0.78	-7.86
908	1.88	-0.76	-7.63
910	1.83	-0.72	-7.43
912	1.85	-0.70	-7.21
914	1.87	-0.69	-7.02
916	1.90	-0.65	-6.85
918	1.85	-0.62	-6.70
920	1.87	-0.62	-6.52
922	1.90	-0.58	-6.32
924	1.86	-0.55	-6.17

926	1.88	-0.53	-6.00
928	1.87	-0.51	-5.83
930	1.86	-0.49	-5.68
932	1.88	-0.48	-5.55
934	1.90	-0.47	-5.38
936	1.88	-0.45	-5.27
938	1.89	-0.43	-5.11
940	1.90	-0.40	-5.01
942	1.90	-0.38	-4.86
944	1.86	-0.38	-4.73
946	1.86	-0.34	-4.63
948	1.87	-0.32	-4.53
950	1.93	-0.30	-4.36
952	1.89	-0.29	-4.26
954	1.92	-0.28	-4.14
956	1.90	-0.23	-4.03
958	1.89	-0.22	-3.98
960	1.89	-0.20	-3.87
962	1.91	-0.18	-3.75
964	1.89	-0.18	-3.68
966	1.92	-0.15	-3.53
968	1.95	-0.12	-3.46
970	1.90	-0.10	-3.39
972	1.92	-0.11	-3.29
974	1.96	-0.07	-3.20
976	1.97	-0.05	-3.12
978	1.94	-0.04	-3.05
980	1.95	0.01	-2.97
982	1.94	-0.00	-2.90
984	2.00	0.01	-2.79
986	1.97	0.06	-2.73
988	1.96	0.06	-2.65
990	1.98	0.07	-2.60
992	1.96	0.07	-2.51
994	1.94	0.11	-2.50
996	1.98	0.13	-2.40
998	1.95	0.16	-2.37
1000	1.97	0.15	-2.29
1002	1.98	0.17	-2.19
1004	1.96	0.19	-2.18
1006	1.97	0.20	-2.08
1008	1.97	0.18	-2.05
1010	1.98	0.20	-1.98
1012	1.98	0.24	-1.96
1014	1.98	0.25	-1.87
1016	1.98	0.27	-1.83
1018	1.97	0.30	-1.79

1020	2.01	0.31	-1.70
1022	1.99	0.32	-1.67
1024	2.01	0.32	-1.62
1026	1.98	0.34	-1.60
1028	2.00	0.36	-1.56
1030	2.01	0.37	-1.50
1032	2.02	0.39	-1.45
1034	1.99	0.41	-1.39
1036	1.99	0.40	-1.38
1038	2.01	0.43	-1.32
1040	1.99	0.45	-1.29
1042	2.00	0.45	-1.26
1044	2.04	0.46	-1.20
1046	2.04	0.47	-1.19
1048	2.04	0.51	-1.11
1050	2.02	0.50	-1.09
1052	2.03	0.52	-1.07
1054	2.02	0.56	-1.01
1056	2.04	0.55	-0.97
1058	2.02	0.57	-0.96
1060	2.05	0.57	-0.89
1062	2.05	0.60	-0.86
1064	2.04	0.62	-0.84
1066	2.06	0.62	-0.82
1068	2.04	0.62	-0.78
1070	2.04	0.62	-0.75
1072	2.05	0.67	-0.74
1074	2.02	0.68	-0.67
1076	2.06	0.67	-0.65
1078	2.05	0.71	-0.64
1080	2.07	0.71	-0.61
1082	2.05	0.71	-0.59
1084	2.05	0.68	-0.59
1086	2.08	0.71	-0.54
1088	2.05	0.77	-0.49
1090	2.07	0.75	-0.50
1092	2.09	0.78	-0.42
1094	2.09	0.80	-0.40
1096	2.04	0.81	-0.40
1098	2.11	0.81	-0.36
1100	2.08	0.83	-0.33
1102	2.09	0.83	-0.34
1104	2.10	0.86	-0.27
1106	2.11	0.88	-0.24
1108	2.11	0.86	-0.26
1110	2.10	0.89	-0.20
1112	2.15	0.91	-0.15

1114	2.13	0.90	-0.16
1116	2.11	0.91	-0.13
1118	2.14	0.93	-0.13
1120	2.13	0.95	-0.06
1122	2.14	0.96	-0.03
1124	2.16	0.96	-0.04
1126	2.15	0.96	-0.04
1128	2.17	0.97	-0.01
1130	2.15	0.99	0.01
1132	2.16	0.97	0.06
1134	2.16	1.04	0.06
1136	2.13	0.99	0.07
1138	2.14	0.99	0.08
1140	2.13	1.00	0.11
1142	2.13	1.04	0.13
1144	2.15	1.03	0.14
1146	2.18	0.84	0.16
1148	2.13	0.15	0.14
1150	2.17	0.60	0.17
1152	2.15	-0.63	0.13
1154	2.16	0.30	0.11
1156	2.18	0.46	0.12
1158	2.20	-0.48	0.07
1160	2.19	-0.43	0.03
1162	2.18	-0.26	-0.02
1164	2.20	0.17	-0.10
1166	2.18	-0.76	-0.14
1168	2.19	-0.97	-0.16
1170	2.18	-1.59	-0.22
1172	2.19	-1.47	-0.32
1174	2.20	-1.23	-0.40
1176	2.18	-0.91	-0.50
1178	2.20	-2.08	-0.56
1180	2.17	-1.22	-0.61
1182	2.17	-1.51	-0.71
1184	2.17	-1.83	-0.76
1186	2.17	-1.53	-0.84
1188	2.19	-1.95	-0.93
1190	2.18	-1.96	-0.98
1192	2.17	-1.73	-1.06
1194	2.20	-2.12	-1.12
1196	2.18	-2.33	-1.20
1198	2.17	-2.42	-1.25
1200	2.19	-2.48	-1.33
1202	2.19	-2.35	-1.41
1204	2.20	-2.79	-1.48
1206	2.18	-2.68	-1.55

1208	2.19	-2.43	-1.65
1210	2.21	-2.40	-1.68
1212	2.21	-2.92	-1.76
1214	2.21	-2.77	-1.83
1216	2.21	-2.90	-1.88
1218	2.20	-3.06	-1.99
1220	2.18	-2.70	-2.00
1222	2.20	-2.94	-2.09
1224	2.18	-3.29	-2.12
1226	2.20	-3.32	-2.21
1228	2.22	-3.37	-2.29
1230	2.19	-3.03	-2.33
1232	2.20	-3.15	-2.41
1234	2.21	-3.23	-2.48
1236	2.18	-3.78	-2.55
1238	2.19	-3.72	-2.58
1240	2.18	-3.21	-2.66
1242	2.19	-3.45	-2.69
1244	2.19	-3.15	-2.78
1246	2.16	-3.75	-2.78
1248	2.18	-3.32	-2.88
1250	2.19	-3.49	-2.93
1252	2.17	-3.50	-2.95
1254	2.16	-3.51	-3.00
1256	2.18	-2.43	-3.00
1258	2.17	-2.39	-2.99
1260	2.17	-2.46	-2.96
1262	2.17	-2.40	-2.95
1264	2.17	-2.36	-2.96
1266	2.18	-2.32	-2.92
1268	2.16	-2.28	-2.91
1270	2.15	-2.28	-2.89
1272	2.15	-2.22	-2.88
1274	2.14	-2.23	-2.81
1276	2.16	-2.18	-2.81
1278	2.17	-2.13	-2.80
1280	2.17	-1.76	-2.76
1282	2.14	-4.49	-2.72
1284	2.16	-2.53	-2.67
1286	2.15	-1.71	-2.65
1288	2.17	-1.87	-2.65
1290	2.15	-1.83	-2.63
1292	2.15	-1.85	-2.58
1294	2.20	-1.86	-2.54
1296	2.14	-2.24	-2.56
1298	2.16	-1.31	-2.53
1300	2.18	-2.01	-2.47

1302	2.17	-1.62	-2.42
1304	2.20	-1.37	-2.39
1306	2.17	-1.77	-2.35
1308	2.19	-1.64	-2.33
1310	2.20	-1.56	-2.29
1312	2.18	-1.53	-2.26
1314	2.21	-1.52	-2.25
1316	2.19	-1.50	-2.19
1318	2.17	-1.49	-2.17
1320	2.16	-1.45	-2.16
1322	2.18	-1.43	-2.12
1324	2.19	-1.39	-2.05
1326	2.16	-1.40	-2.05
1328	2.17	-1.35	-2.01
1330	2.17	-1.32	-2.01
1332	2.18	-1.31	-1.96
1334	2.19	-1.27	-1.90
1336	2.18	-1.25	-1.93
1338	2.15	-1.22	-1.85
1340	2.18	-1.20	-1.84
1342	2.18	-1.19	-1.82
1344	2.22	-1.15	-1.77
1346	2.19	-1.16	-1.77
1348	2.19	-1.12	-1.73
1350	2.19	-1.10	-1.71
1352	2.21	-1.05	-1.69
1354	2.17	-1.04	-1.65
1356	2.18	-1.00	-1.62
1358	2.17	-0.99	-1.59
1360	2.20	-0.97	-1.57
1362	2.18	-0.98	-1.55
1364	2.20	-0.93	-1.50
1366	2.18	-0.92	-1.51
1368	2.20	-0.90	-1.45
1370	2.17	-0.86	-1.41
1372	2.17	-0.89	-1.44
1374	2.20	-0.83	-1.41
1376	2.20	-0.83	-1.35
1378	2.21	-0.81	-1.33
1380	2.17	-0.78	-1.33
1382	2.20	-0.78	-1.29
1384	2.21	-0.77	-1.28
1386	2.21	-0.71	-1.25
1388	2.18	-0.70	-1.20
1390	2.20	-0.69	-1.20
1392	2.18	-0.67	-1.19
1394	2.18	-0.65	-1.17

1396	2.20	-0.64	-1.14
1398	2.21	-0.62	-1.11
1400	2.19	-0.60	-1.09
1402	2.20	-0.57	-1.08
1404	2.21	-0.56	-1.07
1406	2.19	-0.55	-1.03
1408	2.23	-0.55	-1.05
1410	2.20	-0.51	-0.99
1412	2.20	-0.51	-0.98
1414	2.23	-0.52	-0.96
1416	2.26	-0.48	-0.93
1418	2.21	-0.48	-0.93
1420	2.22	-0.46	-0.91
1422	2.21	-0.45	-0.87
1424	2.22	-0.43	-0.85
1426	2.20	-0.39	-0.87
1428	2.25	-0.40	-0.82
1430	2.23	-0.38	-0.81
1432	2.23	-0.35	-0.78
1434	2.25	-0.36	-0.76
1436	2.22	-0.32	-0.74
1438	2.22	-0.33	-0.74
1440	2.26	-0.30	-0.72
1442	2.23	-0.28	-0.72
1444	2.24	-0.27	-0.70
1446	2.27	-0.27	-0.66
1448	2.25	-0.28	-0.67
1450	2.25	-0.23	-0.66
1452	2.24	-0.23	-0.61
1454	2.24	-0.24	-0.63
1456	2.24	-0.23	-0.56
1458	2.27	-0.21	-0.56
1460	2.25	-0.21	-0.58
1462	2.28	-0.16	-0.55
1464	2.28	-0.18	-0.57
1466	2.28	-0.17	-0.51
1468	2.26	-0.14	-0.54
1470	2.25	-0.14	-0.49
1472	2.28	-0.12	-0.46
1474	2.28	-0.12	-0.50
1476	2.28	-0.08	-0.46
1478	2.27	-0.07	-0.48
1480	2.31	-0.08	-0.42
1482	2.30	-0.06	-0.42
1484	2.28	-0.06	-0.40
1486	2.27	-0.04	-0.42
1488	2.28	-0.05	-0.37

1490	2.24	-0.01	-0.39
1492	2.29	-0.01	-0.34
1494	2.32	0.00	-0.34
1496	2.31	0.01	-0.33
1498	2.28	0.03	-0.30
1500	2.30	0.01	-0.29
1502	2.28	0.02	-0.28
1504	2.29	0.05	-0.28
1506	2.32	0.07	-0.26
1508	2.28	0.06	-0.24
1510	2.34	0.09	-0.26
1512	2.29	0.10	-0.23
1514	2.30	0.10	-0.23
1516	2.32	0.12	-0.21
1518	2.31	0.11	-0.18
1520	2.34	0.13	-0.19
1522	2.30	0.14	-0.19
1524	2.33	0.15	-0.18
1526	2.32	0.17	-0.18
1528	2.35	0.17	-0.15
1530	2.32	0.17	-0.14
1532	2.30	0.19	-0.11
1534	2.32	0.18	-0.10
1536	2.33	0.20	-0.10
1538	2.33	0.23	-0.10
1540	2.32	0.21	-0.09
1542	2.32	0.22	-0.05
1544	2.35	0.25	-0.05
1546	2.33	0.22	-0.06
1548	2.34	0.25	-0.04
1550	2.38	0.24	-0.02
1552	2.32	0.26	-0.04
1554	2.37	0.29	-0.01
1556	2.33	0.29	-0.01
1558	2.36	0.27	-0.00
1560	2.37	0.29	0.00
1562	2.36	0.32	0.06
1564	2.32	0.30	0.05
1566	2.33	0.32	0.05
1568	2.35	0.31	0.06
1570	2.35	0.31	0.11
1572	2.37	0.33	0.07
1574	2.35	0.32	0.11
1576	2.37	0.32	0.09
1578	2.34	0.33	0.09
1580	2.33	0.35	0.11
1582	2.35	0.33	0.13

1584	2.36	0.34	0.12
1586	2.37	0.37	0.15
1588	2.33	0.36	0.14
1590	2.34	0.40	0.19
1592	2.35	0.41	0.15
1594	2.36	0.41	0.19
1596	2.36	0.41	0.17
1598	2.38	0.40	0.22
1600	2.37	0.42	0.19
1602	2.40	0.42	0.19
1604	2.39	0.45	0.23
1606	2.38	0.46	0.22
1608	2.38	0.47	0.23
1610	2.39	0.46	0.24
1612	2.40	0.48	0.23
1614	2.38	0.48	0.26
1616	2.37	0.45	0.26
1618	2.39	0.50	0.30
1620	2.37	0.48	0.31
1622	2.38	0.46	0.29
1624	2.40	0.49	0.29
1626	2.36	0.49	0.30
1628	2.39	0.50	0.31
1630	2.36	0.52	0.30
1632	2.38	0.53	0.34
1634	2.40	0.54	0.34
1636	2.42	0.56	0.37
1638	2.43	0.59	0.36
1640	2.45	0.75	0.36
1642	2.43	0.82	0.43
1644	2.42	0.95	0.45
1646	2.42	1.08	0.43
1648	2.43	1.25	0.52
1650	2.42	1.42	0.58
1652	2.38	1.52	0.60
1654	2.41	1.65	0.68
1656	2.41	1.76	0.73
1658	2.40	1.85	0.81
1660	2.43	1.98	0.88
1662	2.43	2.05	0.97
1664	2.44	2.15	1.00
1666	2.41	2.25	1.11
1668	2.44	2.34	1.16
1670	2.40	2.46	1.25
1672	2.42	2.54	1.37
1674	2.42	2.66	1.44
1676	2.43	2.72	1.51

1678	2.44	2.82	1.58
1680	2.42	2.90	1.68
1682	2.44	3.00	1.78
1684	2.45	3.08	1.84
1686	2.43	3.14	1.91
1688	2.45	3.22	1.99
1690	2.43	3.27	2.09
1692	2.48	3.36	2.17
1694	2.43	3.46	2.27
1696	2.44	3.53	2.30
1698	2.47	3.61	2.43
1700	2.45	3.64	2.50
1702	2.45	3.76	2.58
1704	2.47	3.84	2.65
1706	2.49	3.92	2.79
1708	2.51	3.98	2.85
1710	2.46	4.05	2.94
1712	2.48	4.14	2.98
1714	2.48	4.20	3.08
1716	2.48	4.27	3.15
1718	2.45	4.35	3.24
1720	2.46	4.42	3.32
1722	2.45	4.50	3.37
1724	2.47	4.55	3.47
1726	2.49	4.62	3.55
1728	2.48	4.70	3.61
1730	2.48	4.77	3.69
1732	2.49	4.84	3.78
1734	2.51	4.89	3.86
1736	2.49	4.97	3.96
1738	2.51	5.05	4.01
1740	2.49	5.06	4.10
1742	2.53	5.16	4.15
1744	2.54	5.21	4.25
1746	2.53	5.28	4.32
1748	2.51	5.34	4.37
1750	2.50	5.41	4.45
1752	2.50	5.44	4.53
1754	2.52	5.54	4.57
1756	2.50	5.60	4.66
1758	2.52	5.63	4.72
1760	2.52	5.71	4.80
1762	2.53	5.76	4.86
1764	2.53	5.84	4.93
1766	2.52	5.92	5.03
1768	2.49	5.99	5.08
1770	2.54	6.02	5.17

1772	2.52	6.07	5.22
1774	2.50	6.11	5.28
1776	2.56	6.21	5.34
1778	2.57	6.25	5.45
1780	2.55	6.29	5.51
1782	2.54	6.37	5.59
1784	2.57	6.41	5.62
1786	2.57	6.47	5.70
1788	2.56	6.53	5.73
1790	2.57	6.56	5.81
1792	2.54	6.61	5.90
1794	2.56	6.70	5.95
1796	2.56	6.74	6.00
1798	2.52	6.76	6.07
1800	2.54	6.83	6.13
1802	2.56	6.91	6.20
1804	2.54	6.97	6.27
1806	2.57	7.01	6.33
1808	2.59	7.06	6.39
1810	2.60	7.12	6.46
1812	2.59	7.18	6.53
1814	2.58	7.24	6.60
1816	2.60	7.33	6.62
1818	2.58	7.38	6.69
1820	2.60	7.43	6.76
1822	2.60	7.50	6.81
1824	2.63	7.60	6.90
1826	2.59	7.65	6.96
1828	2.62	7.68	7.01
1830	2.58	7.79	7.07
1832	2.61	7.83	7.13
1834	2.62	7.92	7.20
1836	2.60	7.98	7.26
1838	2.62	8.07	7.32
1840	2.62	8.15	7.41
1842	2.61	8.23	7.45
1844	2.64	8.26	7.52
1846	2.61	8.32	7.59
1848	2.67	8.40	7.67
1850	2.62	8.47	7.72
1852	2.63	8.50	7.81
1854	2.64	8.60	7.86
1856	2.66	8.66	7.95
1858	2.64	8.74	8.04
1860	2.63	8.75	8.08
1862	2.63	8.83	8.15
1864	2.64	8.91	8.18

1866	2.61	8.99	8.27
1868	2.63	9.04	8.36
1870	2.63	9.08	8.38
1872	2.61	9.18	8.46
1874	2.66	9.26	8.54
1876	2.64	9.33	8.60
1878	2.65	9.36	8.68
1880	2.64	9.45	8.77
1882	2.64	9.49	8.81
1884	2.66	9.59	8.88
1886	2.61	9.65	8.96
1888	2.63	9.72	9.04
1890	2.64	9.80	9.09
1892	2.64	9.82	9.14
1894	2.66	9.93	9.22
1896	2.66	10.02	9.30
1898	2.65	10.05	9.37
1900	2.66	10.09	9.45
1902	2.68	10.20	9.51
1904	2.67	10.24	9.59
1906	2.67	10.35	9.64
1908	2.68	10.39	9.73
1910	2.71	10.45	9.79
1912	2.69	10.52	9.84
1914	2.69	10.58	9.92
1916	2.67	10.63	9.97
1918	2.68	10.69	10.06
1920	2.65	10.75	10.14
1922	2.67	10.82	10.20
1924	2.70	10.89	10.24
1926	2.70	10.94	10.29
1928	2.68	10.99	10.35
1930	2.66	11.08	10.47
1932	2.69	11.12	10.50
1934	2.70	11.17	10.59
1936	2.72	11.26	10.64
1938	2.70	11.32	10.71
1940	2.71	11.38	10.79
1942	2.73	11.43	10.86
1944	2.72	11.46	10.92
1946	2.73	11.54	11.00
1948	2.72	11.58	11.04
1950	2.70	11.64	11.10
1952	2.73	11.72	11.15
1954	2.70	11.78	11.24
1956	2.70	11.80	11.31
1958	2.71	11.87	11.39

1960	2.69	11.92	11.43
1962	2.67	11.98	11.48
1964	2.70	12.05	11.54
1966	2.73	12.12	11.60
1968	2.71	12.13	11.68
1970	2.75	12.22	11.76
1972	2.72	12.27	11.80
1974	2.71	12.35	11.87
1976	2.76	12.42	11.94
1978	2.77	12.45	12.01
1980	2.71	12.49	12.05
1982	2.76	12.51	12.12
1984	2.77	12.63	12.17
1986	2.75	12.62	12.23
1988	2.77	12.73	12.29
1990	2.74	12.72	12.35
1992	2.73	12.77	12.37
1994	2.75	12.84	12.46
1996	2.76	12.89	12.50
1998	2.73	12.98	12.58
2000	2.75	12.98	12.64
2002	2.73	13.07	12.67
2004	2.75	13.08	12.74
2006	2.77	13.17	12.79
2008	2.74	13.21	12.85
2010	2.77	13.26	12.90
2012	2.77	13.32	12.97
2014	2.80	13.32	13.02
2016	2.77	13.40	13.06
2018	2.78	13.46	13.13
2020	2.80	13.53	13.19
2022	2.77	13.55	13.25
2024	2.79	13.58	13.28
2026	2.80	13.66	13.34
2028	2.76	13.68	13.39
2030	2.77	13.72	13.45
2032	2.75	13.76	13.50
2034	2.76	13.84	13.55
2036	2.76	13.84	13.62
2038	2.77	13.90	13.68
2040	2.76	13.94	13.73
2042	2.75	13.97	13.75
2044	2.77	14.05	13.83
2046	2.77	14.09	13.87
2048	2.76	14.15	13.90
2050	2.78	14.16	13.96
2052	2.75	14.19	14.01

2054	2.78	14.21	14.05
2056	2.78	14.29	14.08
2058	2.78	14.31	14.14
2060	2.77	14.37	14.22
2062	2.76	14.45	14.25
2064	2.78	14.47	14.30
2066	2.77	14.52	14.36
2068	2.81	14.54	14.39
2070	2.81	14.63	14.50
2072	2.83	14.65	14.49
2074	2.80	14.68	14.53
2076	2.80	14.71	14.61
2078	2.81	14.75	14.63
2080	2.81	14.79	14.69
2082	2.80	14.84	14.72
2084	2.82	14.87	14.78
2086	2.76	14.89	14.81
2088	2.79	14.98	14.86
2090	2.76	14.95	14.91
2092	2.77	15.01	14.92
2094	2.82	15.09	15.00
2096	2.79	15.09	15.02
2098	2.79	15.13	15.08
2100	2.79	15.17	15.12
2102	2.81	15.19	15.15
2104	2.80	15.26	15.22
2106	2.80	15.28	15.27
2108	2.83	15.33	15.28
2110	2.83	15.39	15.32
2112	2.85	15.41	15.39
2114	2.82	15.44	15.41
2116	2.82	15.48	15.48
2118	2.82	15.53	15.52
2120	2.84	15.55	15.55
2122	2.83	15.56	15.60
2124	2.83	15.62	15.63
2126	2.81	15.61	15.69
2128	2.84	15.70	15.72
2130	2.83	15.80	15.74
2132	2.81	15.81	15.79
2134	2.82	15.94	15.86
2136	2.80	16.05	15.91
2138	2.80	16.12	15.94
2140	2.81	16.19	15.99
2142	2.83	16.29	16.07
2144	2.82	16.38	16.11
2146	2.83	16.46	16.18

2148	2.82	16.57	16.24
2150	2.80	16.60	16.30
2152	2.81	16.70	16.38
2154	2.83	16.77	16.44
2156	2.84	16.88	16.50
2158	2.81	16.92	16.56
2160	2.85	17.02	16.62
2162	2.81	17.05	16.67
2164	2.83	17.09	16.76
2166	2.82	17.19	16.81
2168	2.82	17.26	16.89
2170	2.84	17.33	16.97
2172	2.86	17.38	17.05
2174	2.81	17.44	17.12
2176	2.82	17.55	17.19
2178	2.79	17.57	17.23
2180	2.84	17.66	17.29
2182	2.86	17.70	17.39
2184	2.83	17.77	17.44
2186	2.85	17.85	17.50
2188	2.86	17.91	17.57
2190	2.84	17.96	17.63
2192	2.85	18.02	17.70
2194	2.83	18.07	17.79
2196	2.84	18.14	17.82
2198	2.83	18.24	17.90
2200	2.84	18.24	17.96
2202	2.83	18.34	18.03
2204	2.83	18.40	18.13
2206	2.82	18.44	18.17
2208	2.83	18.54	18.27
2210	2.81	18.54	18.30
2212	2.85	18.66	18.37
2214	2.85	18.68	18.43
2216	2.83	18.77	18.50
2218	2.82	18.80	18.56
2220	2.85	18.87	18.63
2222	2.86	18.89	18.72
2224	2.85	18.98	18.76
2226	2.87	19.02	18.83
2228	2.86	19.08	18.88
2230	2.87	19.15	18.95
2232	2.89	19.21	19.02
2234	2.86	19.25	19.09
2236	2.87	19.30	19.14
2238	2.86	19.37	19.21
2240	2.82	19.40	19.26

2242	2.89	19.46	19.31
2244	2.86	19.51	19.38
2246	2.85	19.60	19.43
2248	2.88	19.62	19.52
2250	2.86	19.71	19.57
2252	2.85	19.73	19.61
2254	2.86	19.81	19.68
2256	2.85	19.84	19.77
2258	2.88	19.88	19.82
2260	2.89	19.98	19.88
2262	2.88	19.99	19.94
2264	2.87	20.05	19.98
2266	2.87	20.10	20.06
2268	2.88	20.15	20.11
2270	2.85	20.18	20.17
2272	2.85	20.24	20.18
2274	2.87	20.29	20.26
2276	2.86	20.32	20.32
2278	2.87	20.39	20.39
2280	2.86	20.47	20.44
2282	2.88	20.46	20.48
2284	2.86	20.52	20.53
2286	2.88	20.60	20.57
2288	2.88	20.61	20.67
2290	2.90	20.70	20.72
2292	2.87	20.71	20.77
2294	2.92	20.78	20.84
2296	2.86	20.80	20.87
2298	2.89	20.90	20.93
2300	2.88	20.93	20.98
2302	2.88	20.97	21.01
2304	2.89	20.99	21.11
2306	2.89	21.09	21.13
2308	2.90	21.08	21.18
2310	2.90	21.14	21.25
2312	2.89	21.18	21.30
2314	2.91	21.22	21.35
2316	2.90	21.24	21.40
2318	2.86	21.29	21.43
2320	2.90	21.33	21.50
2322	2.90	21.38	21.56
2324	2.89	21.43	21.57
2326	2.90	21.46	21.66
2328	2.86	21.49	21.69
2330	2.88	21.54	21.74
2332	2.88	21.59	21.79
2334	2.90	21.61	21.84

2336	2.88	21.68	21.87
2338	2.86	21.69	21.91
2340	2.91	21.73	21.96
2342	2.86	21.77	22.01
2344	2.87	21.79	22.05
2346	2.89	21.89	22.11
2348	2.90	21.90	22.16
2350	2.91	21.94	22.22
2352	2.89	21.97	22.28
2354	2.93	22.03	22.32
2356	2.87	22.08	22.33
2358	2.92	22.09	22.42
2360	2.91	22.16	22.46
2362	2.96	22.16	22.51
2364	2.95	22.19	22.52
2366	2.92	22.24	22.56
2368	2.92	22.31	22.63
2370	2.94	22.28	22.64
2372	2.93	22.33	22.71
2374	2.91	22.40	22.73
2376	2.90	22.40	22.78
2378	2.90	22.47	22.82
2380	2.90	22.47	22.84
2382	2.92	22.52	22.89
2384	2.88	22.53	22.92
2386	2.91	22.55	22.96
2388	2.91	22.57	23.03
2390	2.91	22.64	23.04
2392	2.90	22.64	23.06
2394	2.89	22.71	23.13
2396	2.88	22.70	23.16
2398	2.89	22.77	23.20
2400	2.91	22.80	23.25
2402	2.92	22.85	23.28
2404	2.91	22.86	23.34
2406	2.94	22.90	23.37
2408	2.93	22.92	23.40
2410	2.92	22.97	23.45
2412	2.91	22.98	23.49
2414	2.90	23.09	23.52
2416	2.91	23.16	23.54
2418	2.92	23.21	23.59
2420	2.95	23.25	23.66
2422	2.92	23.41	23.69
2424	2.95	23.47	23.73
2426	2.94	23.59	23.78
2428	2.91	23.67	23.86

2430	2.95	23.78	23.91
2432	2.92	23.80	23.98
2434	2.92	23.91	24.02
2436	2.92	24.03	24.09
2438	2.94	24.08	24.16
2440	2.94	24.20	24.23
2442	2.94	24.28	24.29
2444	2.94	24.34	24.34
2446	2.91	24.46	24.41
2448	2.95	24.55	24.47
2450	2.95	24.58	24.54
2452	2.93	24.66	24.62
2454	2.92	24.74	24.73
2456	2.91	24.81	24.77
2458	2.95	24.90	24.82
2460	2.95	24.99	24.93
2462	2.92	25.08	24.99
2464	2.91	25.17	25.04
2466	2.93	25.24	25.15
2468	2.92	25.33	25.22
2470	2.90	25.40	25.27
2472	2.95	25.49	25.38
2474	2.94	25.55	25.42
2476	2.93	25.71	25.52
2478	2.93	25.68	25.61
2480	2.94	25.75	25.65
2482	2.95	25.88	25.76
2484	2.92	25.95	25.84
2486	2.91	26.02	25.93
2488	2.91	26.10	26.00
2490	2.90	26.18	26.06
2492	2.91	26.26	26.14
2494	2.89	26.27	26.24
2496	2.88	26.47	26.31
2498	2.97	26.43	26.38
2500	2.90	26.54	26.43
2502	2.91	26.62	26.52
2504	2.91	26.69	26.59
2506	2.92	26.79	26.67
2508	2.92	26.86	26.77
2510	2.91	26.88	26.84
2512	2.89	26.95	26.91
2514	2.91	27.04	26.96
2516	2.90	27.10	27.05
2518	2.90	27.17	27.12
2520	2.91	27.26	27.17
2522	2.89	27.28	27.27

2524	2.93	27.38	27.35
2526	2.94	27.43	27.40
2528	2.92	27.54	27.49
2530	2.91	27.60	27.56
2532	2.93	27.63	27.64
2534	2.92	27.77	27.73
2536	2.91	27.78	27.78
2538	2.89	27.88	27.87
2540	2.93	27.93	27.94
2542	2.90	28.00	27.99
2544	2.92	28.12	28.07
2546	2.93	28.07	28.14
2548	2.93	28.22	28.25
2550	2.95	28.25	28.30
2552	2.95	28.32	28.35
2554	2.93	28.38	28.44
2556	2.95	28.48	28.51
2558	2.92	28.52	28.59
2560	2.95	28.60	28.67
2562	2.90	28.66	28.72
2564	2.95	28.71	28.78
2566	2.97	28.75	28.87
2568	2.93	28.86	28.92
2570	2.94	28.88	28.99
2572	2.94	28.99	29.05
2574	2.92	28.99	29.13
2576	2.96	29.07	29.20
2578	2.97	29.12	29.28
2580	2.95	29.20	29.32
2582	2.96	29.21	29.38
2584	2.92	29.33	29.47
2586	2.94	29.34	29.53
2588	2.94	29.43	29.58
2590	2.93	29.48	29.66
2592	2.94	29.54	29.72
2594	2.92	29.58	29.80
2596	2.95	29.64	29.85
2598	2.93	29.70	29.90
2600	2.90	29.78	29.98
2602	2.93	29.84	30.03
2604	2.94	29.80	30.11
2606	2.93	29.92	30.18
2608	2.94	29.98	30.25
2610	2.94	30.01	30.30
2612	2.96	30.13	30.38
2614	2.93	30.12	30.43
2616	2.93	30.18	30.51

2618	2.93	30.26	30.56
2620	2.94	30.32	30.63
2622	2.95	30.36	30.69
2624	2.97	30.42	30.73
2626	2.96	30.47	30.78
2628	2.97	30.47	30.86
2630	2.96	30.59	30.93
2632	2.94	30.61	30.99
2634	2.94	30.65	31.05
2636	2.97	30.69	31.13
2638	2.89	30.74	31.17
2640	2.90	30.80	31.20
2642	2.97	30.93	31.30
2644	2.93	30.92	31.33
2646	2.93	30.95	31.38
2648	2.91	30.98	31.47
2650	2.91	31.07	31.50
2652	2.95	31.11	31.57
2654	2.93	31.14	31.61
2656	2.93	31.18	31.66
2658	2.94	31.26	31.72
2660	2.92	31.25	31.76
2662	2.92	31.34	31.85
2664	2.94	31.42	31.88
2666	2.94	31.48	31.95
2668	2.92	31.46	32.00
2670	2.95	31.49	32.06
2672	2.93	31.57	32.10
2674	2.95	31.68	32.14
2676	2.96	31.70	32.24
2678	2.94	31.83	32.27
2680	2.94	31.90	32.34
2682	2.97	32.01	32.42
2684	2.95	32.11	32.47
2686	2.98	32.23	32.53
2688	2.97	32.35	32.62
2690	2.94	32.41	32.66
2692	2.94	32.51	32.73
2694	2.99	32.61	32.79
2696	2.98	32.71	32.88
2698	2.95	32.81	32.97
2700	2.94	32.95	33.05
2702	2.93	32.98	33.11
2704	2.97	33.11	33.20
2706	2.95	33.21	33.28
2708	2.96	33.31	33.33
2710	2.93	33.37	33.44

2712	2.94	33.43	33.53
2714	2.95	33.59	33.59
2716	2.94	33.67	33.68
2718	2.93	33.74	33.77
2720	2.93	33.89	33.85
2722	2.95	33.94	33.92
2724	2.94	33.96	34.02
2726	2.93	34.18	34.12
2728	2.92	34.20	34.22
2730	2.94	34.36	34.28
2732	2.92	34.43	34.40
2734	2.94	34.48	34.47
2736	2.95	34.54	34.55
2738	2.93	34.72	34.64
2740	2.94	34.77	34.74
2742	2.93	34.82	34.81
2744	2.94	34.95	34.92
2746	2.92	35.01	35.01
2748	2.96	35.15	35.10
2750	2.92	35.21	35.18
2752	2.94	35.27	35.28
2754	2.97	35.43	35.41
2756	2.94	35.49	35.46
2758	3.01	35.54	35.57
2760	2.97	35.61	35.67
2762	2.96	35.72	35.76
2764	2.96	35.80	35.83
2766	2.97	35.96	35.93
2768	2.96	36.02	36.00
2770	2.98	36.09	36.10
2772	2.96	36.20	36.19
2774	2.97	36.23	36.27
2776	2.93	36.27	36.38
2778	2.97	36.40	36.46
2780	2.97	36.43	36.52
2782	2.94	36.53	36.61
2784	2.94	36.63	36.69
2786	2.96	36.69	36.80
2788	2.91	36.79	36.88
2790	2.91	36.82	36.93
2792	2.92	36.93	37.06
2794	2.96	37.00	37.13
2796	2.92	37.03	37.24
2798	2.96	37.16	37.33
2800	2.94	37.24	37.39
2802	2.97	37.33	37.47
2804	2.96	37.36	37.58

2806	2.94	37.45	37.65
2808	2.95	37.54	37.74
2810	2.97	37.61	37.84
2812	2.95	37.71	37.92
2814	2.98	37.77	38.00
2816	2.94	37.85	38.07
2818	2.99	37.95	38.17
2820	2.98	38.05	38.25
2822	2.96	38.11	38.34
2824	2.97	38.19	38.43
2826	2.94	38.29	38.51
2828	2.98	38.36	38.56
2830	2.97	38.46	38.65
2832	2.98	38.51	38.73
2834	2.96	38.58	38.83
2836	2.96	38.67	38.89
2838	2.95	38.74	38.97
2840	2.92	38.83	39.07
2842	2.95	38.90	39.15
2844	2.95	38.98	39.20
2846	2.93	39.08	39.30
2848	2.95	39.13	39.40
2850	2.97	39.21	39.47
2852	2.96	39.31	39.55
2854	2.95	39.37	39.68
2856	2.97	39.47	39.74
2858	2.93	39.54	39.81
2860	2.92	39.60	39.89
2862	2.91	39.66	39.97
2864	2.94	39.77	40.08
2866	2.99	39.86	40.15
2868	2.93	39.89	40.26
2870	2.92	39.98	40.32
2872	2.94	40.06	40.42
2874	2.96	40.13	40.51
2876	2.91	40.20	40.56
2878	2.95	40.28	40.66
2880	2.97	40.34	40.77
2882	2.99	40.42	40.86
2884	3.01	40.49	40.92
2886	2.95	40.55	40.99
2888	2.95	40.65	41.09
2890	2.95	40.72	41.18
2892	2.95	40.77	41.24
2894	2.97	40.85	41.33
2896	3.01	40.95	41.41
2898	2.96	41.00	41.49

2900	2.96	41.09	41.57
2902	2.99	41.15	41.65
2904	2.97	41.23	41.73
2906	2.98	41.29	41.81
2908	2.97	41.38	41.88
2910	3.00	41.44	41.96
2912	2.99	41.51	42.02
2914	2.98	41.58	42.13
2916	2.98	41.66	42.18
2918	2.94	41.70	42.25
2920	2.97	41.78	42.34
2922	2.95	41.84	42.41
2924	2.96	41.89	42.48
2926	2.95	41.99	42.59
2928	2.96	42.03	42.65
2930	2.97	42.11	42.70
2932	2.96	42.19	42.77
2934	2.95	42.24	42.83
2936	2.93	42.31	42.92
2938	2.96	42.38	43.03
2940	2.97	42.45	43.06
2942	2.94	42.54	43.17
2944	2.98	42.58	43.22
2946	2.95	42.65	43.33
2948	2.94	42.72	43.38
2950	2.99	42.78	43.45
2952	2.97	42.80	43.52
2954	2.98	42.91	43.63
2956	2.95	42.95	43.67
2958	2.96	43.02	43.72
2960	2.95	43.07	43.80
2962	2.98	43.14	43.90
2964	2.94	43.19	43.98
2966	2.98	43.30	44.03
2968	2.96	43.33	44.08
2970	2.95	43.39	44.16
2972	2.94	43.46	44.24
2974	2.95	43.52	44.31
2976	2.94	43.58	44.36
2978	2.97	43.64	44.46
2980	2.97	43.69	44.51
2982	2.95	43.77	44.59
2984	2.95	43.81	44.65
2986	2.96	43.86	44.75
2988	2.98	43.96	44.80
2990	2.96	43.99	44.84
2992	2.97	44.07	44.93

2994	2.94	44.14	45.02
2996	3.00	44.16	45.05
2998	2.96	44.23	45.12
3000	2.98	44.30	45.21
3002	2.97	44.37	45.28
3004	2.99	44.40	45.34
3006	2.96	44.45	45.39
3008	2.98	44.51	45.47
3010	3.00	44.58	45.53
3012	3.00	44.64	45.59
3014	3.00	44.68	45.66
3016	3.00	44.78	45.72
3018	2.98	44.83	45.80
3020	2.96	44.93	45.86
3022	2.97	44.98	45.91
3024	2.99	45.03	45.99
3026	3.01	45.13	46.05
3028	3.00	45.20	46.13
3030	2.96	45.28	46.17
3032	2.99	45.35	46.25
3034	2.99	45.44	46.31
3036	2.98	45.56	46.37
3038	3.00	45.54	46.47
3040	2.96	45.70	46.52
3042	2.98	45.71	46.60
3044	3.00	45.79	46.69
3046	3.01	45.86	46.77
3048	2.99	46.00	46.82
3050	2.96	46.03	46.90
3052	3.00	46.09	46.97
3054	3.00	46.17	47.05
3056	2.95	46.21	47.10
3058	3.02	46.32	47.16
3060	2.96	46.36	47.25
3062	3.00	46.45	47.34
3064	2.96	46.50	47.41
3066	2.98	46.58	47.44
3068	2.97	46.66	47.56
3070	2.98	46.72	47.60
3072	2.96	46.79	47.71
3074	2.97	46.85	47.78
3076	2.95	46.94	47.81
3078	2.98	46.97	47.90
3080	2.99	47.07	47.99
3082	2.96	47.10	48.04
3084	2.97	47.20	48.10
3086	2.95	47.25	48.18

3088	2.94	47.37	48.26
3090	2.97	47.43	48.33
3092	2.96	47.50	48.40
3094	2.94	47.58	48.49
3096	2.96	47.69	48.54
3098	2.99	47.76	48.60
3100	2.98	47.83	48.68
3102	2.96	47.93	48.78
3104	2.95	47.99	48.84
3106	3.00	48.06	48.93
3108	3.00	48.15	49.01
3110	2.99	48.22	49.09
3112	2.99	48.33	49.19
3114	2.99	48.39	49.23
3116	2.97	48.47	49.32
3118	3.01	48.57	49.39
3120	3.00	48.62	49.49
3122	2.97	48.74	49.58
3124	3.00	48.81	49.67
3126	2.98	48.86	49.72
3128	3.01	48.95	49.81
3130	3.00	49.04	49.89
3132	2.98	49.10	49.93
3134	2.96	49.19	50.02
3136	2.98	49.29	50.12
3138	2.96	49.34	50.19
3140	2.98	49.43	50.27
3142	2.99	49.52	50.35
3144	2.96	49.54	50.42
3146	2.98	49.64	50.50
3148	2.99	49.71	50.58
3150	2.97	49.79	50.66
3152	2.99	49.89	50.73
3154	2.97	49.98	50.82
3156	2.95	50.02	50.91
3158	2.97	50.13	51.00
3160	2.98	50.19	51.07
3162	2.98	50.22	51.15
3164	2.97	50.33	51.25
3166	2.97	50.37	51.29
3168	2.97	50.50	51.39
3170	2.97	50.54	51.44
3172	2.94	50.61	51.51
3174	2.99	50.70	51.60
3176	2.98	50.72	51.68
3178	2.99	50.82	51.78
3180	2.97	50.91	51.84

3182	2.97	50.97	51.95
3184	2.98	51.06	51.99
3186	3.00	51.12	52.09
3188	2.99	51.17	52.15
3190	3.00	51.23	52.25
3192	2.98	51.30	52.31
3194	3.01	51.38	52.37
3196	3.00	51.42	52.43
3198	3.01	51.50	52.52
3200	3.02	51.60	52.60
3202	2.97	51.62	52.64
3204	2.98	51.73	52.73
3206	3.00	51.81	52.82
3208	2.96	51.86	52.88
3210	2.98	51.94	52.98
3212	3.00	52.03	53.07
3214	2.97	52.16	53.11
3216	2.99	52.24	53.21
3218	3.02	52.32	53.27
3220	3.00	52.41	53.36
3222	2.97	52.49	53.44
3224	3.00	52.64	53.48
3226	3.01	52.75	53.61
3228	3.01	52.79	53.68
3230	2.99	52.89	53.75
3232	3.00	52.99	53.84
3234	2.98	53.09	53.95
3236	2.97	53.16	54.03
3238	3.03	53.20	54.13
3240	2.99	53.37	54.17
3242	3.00	53.47	54.26
3244	2.98	53.50	54.37
3246	3.02	53.59	54.45
3248	2.99	53.74	54.54
3250	2.99	53.82	54.60
3252	2.99	53.92	54.70
3254	3.00	53.99	54.79
3256	3.00	54.06	54.88
3258	3.02	54.14	54.99
3260	3.01	54.25	55.06
3262	2.99	54.33	55.16
3264	3.01	54.44	55.23
3266	2.98	54.55	55.31
3268	3.01	54.59	55.40
3270	3.02	54.71	55.49
3272	2.99	54.73	55.61
3274	2.99	54.86	55.66

3276	2.99	54.91	55.78
3278	2.96	55.04	55.86
3280	2.96	55.14	55.92
3282	2.99	55.20	56.01
3284	2.96	55.27	56.09
3286	2.98	55.40	56.18
3288	2.99	55.47	56.30
3290	3.00	55.56	56.38
3292	2.95	55.58	56.46
3294	2.98	55.73	56.56
3296	2.98	55.78	56.65
3298	2.96	55.85	56.71
3300	2.97	55.99	56.82
3302	2.97	56.03	56.91
3304	2.96	56.11	57.01
3306	2.97	56.19	57.09
3308	2.98	56.25	57.18
3310	2.95	56.36	57.28
3312	2.98	56.43	57.35
3314	2.97	56.50	57.45
3316	2.99	56.61	57.53
3318	3.01	56.67	57.61
3320	3.00	56.75	57.70
3322	2.97	56.82	57.80
3324	2.97	56.94	57.84
3326	2.98	56.98	57.93
3328	2.97	57.06	58.04
3330	2.99	57.13	58.11
3332	2.97	57.24	58.20
3334	2.97	57.30	58.29
3336	2.96	57.38	58.39
3338	2.99	57.47	58.47
3340	2.99	57.56	58.52
3342	2.98	57.65	58.64
3344	2.99	57.70	58.71
3346	2.97	57.78	58.79
3348	3.04	57.81	58.89
3350	3.01	57.92	59.01
3352	2.96	57.98	59.04
3354	2.99	58.06	59.16
3356	3.03	58.16	59.26
3358	2.99	58.20	59.31
3360	3.00	58.31	59.42
3362	2.96	58.39	59.52
3364	2.95	58.42	59.54
3366	2.98	58.51	59.65
3368	2.98	58.63	59.72

3370	2.98	58.63	59.80
3372	2.96	58.72	59.86
3374	2.96	58.83	59.96
3376	2.99	58.87	60.03
3378	2.98	58.93	60.11
3380	2.97	58.99	60.20
3382	2.99	59.09	60.28
3384	2.98	59.16	60.35
3386	2.96	59.19	60.43
3388	3.01	59.27	60.51
3390	2.98	59.36	60.59
3392	2.98	59.44	60.67
3394	2.98	59.50	60.76
3396	2.99	59.56	60.82
3398	2.97	59.62	60.92
3400	2.97	59.68	60.96
3402	2.97	59.80	61.04
3404	2.98	59.80	61.14
3406	2.98	59.87	61.18
3408	2.97	59.97	61.24
3410	3.01	60.00	61.35
3412	2.99	60.15	61.41
3414	2.99	60.17	61.51
3416	2.97	60.26	61.58
3418	3.00	60.27	61.67
3420	2.98	60.35	61.72
3422	2.95	60.43	61.79
3424	2.96	60.50	61.88
3426	2.98	60.55	61.96
3428	2.98	60.67	62.05
3430	2.99	60.74	62.11
3432	3.00	60.89	62.20
3434	2.99	60.98	62.25
3436	3.00	61.18	62.34
3438	3.03	61.19	62.42
3440	3.00	61.39	62.52
3442	3.01	61.49	62.55
3444	2.99	61.60	62.65
3446	3.01	61.71	62.76
3448	3.00	61.85	62.88
3450	3.01	61.97	62.94
3452	2.98	62.09	63.01
3454	2.97	62.21	63.13
3456	3.01	62.35	63.22
3458	2.98	62.40	63.30
3460	3.02	62.55	63.39
3462	2.97	62.71	63.49

3464	2.97	62.75	63.59
3466	2.99	62.93	63.67
3468	3.03	63.03	63.81
3470	2.98	63.15	63.91
3472	2.99	63.28	63.99
3474	3.00	63.41	64.12
3476	2.97	63.48	64.23
3478	2.99	63.57	64.32
3480	3.00	63.70	64.43
3482	3.01	63.87	64.54
3484	2.99	63.97	64.64
3486	2.97	64.11	64.73
3488	2.98	64.18	64.86
3490	3.00	64.32	64.97
3492	2.97	64.41	65.05
3494	2.98	64.53	65.19
3496	2.99	64.68	65.28
3498	3.01	64.76	65.38
3500	2.97	64.87	65.50
3502	2.98	64.99	65.61
3504	3.00	65.15	65.70
3506	2.95	65.17	65.82
3508	3.02	65.31	65.91
3510	2.96	65.39	66.04
3512	3.00	65.54	66.17
3514	2.98	65.65	66.27
3516	2.99	65.75	66.38
3518	2.98	65.88	66.49
3520	2.99	65.95	66.59
3522	2.98	66.05	66.70
3524	3.01	66.17	66.82
3526	2.97	66.25	66.96
3528	2.96	66.38	67.04
3530	2.96	66.49	67.14
3532	3.02	66.58	67.27
3534	2.98	66.69	67.38
3536	2.98	66.84	67.49
3538	2.99	66.94	67.60
3540	2.99	67.03	67.69
3542	2.98	67.15	67.80
3544	2.99	67.22	67.93
3546	2.98	67.31	68.03
3548	3.00	67.41	68.13
3550	2.97	67.57	68.26
3552	3.00	67.64	68.35
3554	2.98	67.74	68.47
3556	3.00	67.90	68.57

3558	2.99	67.97	68.69
3560	3.01	68.06	68.79
3562	3.00	68.20	68.91
3564	2.98	68.31	69.02
3566	2.99	68.38	69.15
3568	3.04	68.46	69.25
3570	3.00	68.59	69.35
3572	3.02	68.61	69.45
3574	2.99	68.81	69.60
3576	2.98	68.87	69.68
3578	3.00	68.97	69.78
3580	3.01	69.06	69.88
3582	3.00	69.16	70.00
3584	2.99	69.30	70.11
3586	2.98	69.37	70.22
3588	3.00	69.47	70.34
3590	2.99	69.56	70.43
3592	3.00	69.67	70.54
3594	3.02	69.76	70.64
3596	3.00	69.87	70.74
3598	3.01	69.98	70.85
3600	2.98	70.08	70.94
3602	2.99	70.20	71.06
3604	3.02	70.24	71.17
3606	2.98	70.33	71.25
3608	2.99	70.47	71.36
3610	3.01	70.61	71.47
3612	3.00	70.67	71.57
3614	3.03	70.70	71.67
3616	3.02	70.86	71.77
3618	3.01	70.93	71.85
3620	3.00	71.01	71.98
3622	3.00	71.10	72.08
3624	3.01	71.21	72.17
3626	3.00	71.28	72.25
3628	3.00	71.38	72.36
3630	3.01	71.48	72.45
3632	2.98	71.57	72.56
3634	2.99	71.67	72.68
3636	2.99	71.78	72.74
3638	2.97	71.84	72.87
3640	2.99	71.95	72.95
3642	2.98	72.04	73.06
3644	3.01	72.21	73.19
3646	3.02	72.29	73.26
3648	3.00	72.38	73.37
3650	2.99	72.50	73.50

3652	2.99	72.59	73.60
3654	3.00	72.71	73.69
3656	3.01	72.80	73.82
3658	3.02	72.92	73.90
3660	3.00	73.06	73.98
3662	3.04	73.16	74.13
3664	3.00	73.29	74.20
3666	3.01	73.36	74.30
3668	3.03	73.45	74.43
3670	3.02	73.60	74.53
3672	3.01	73.70	74.63
3674	2.99	73.76	74.76
3676	3.02	73.91	74.85
3678	3.03	73.96	74.95
3680	3.01	74.10	75.05
3682	3.00	74.15	75.13
3684	3.03	74.32	75.26
3686	3.01	74.39	75.38
3688	3.00	74.53	75.44
3690	3.01	74.65	75.56
3692	3.01	74.71	75.69
3694	3.00	74.86	75.78
3696	3.04	74.91	75.89
3698	3.00	75.02	75.99
3700	2.98	75.14	76.10
3702	2.99	75.25	76.22
3704	2.99	75.30	76.31
3706	2.99	75.43	76.43
3708	3.00	75.53	76.55
3710	2.98	75.66	76.62
3712	3.01	75.76	76.76
3714	3.00	75.84	76.86
3716	2.99	75.96	76.96
3718	3.01	75.98	77.06
3720	3.02	76.16	77.14
3722	2.99	76.24	77.28
3724	3.01	76.37	77.39
3726	3.00	76.47	77.49
3728	3.00	76.60	77.60
3730	3.01	76.66	77.75
3732	3.00	76.75	77.81
3734	3.03	76.87	77.91
3736	2.97	76.95	78.00
3738	3.00	77.05	78.13
3740	3.01	77.13	78.20
3742	2.99	77.26	78.35
3744	3.02	77.35	78.43

3746	3.00	77.44	78.55
3748	3.03	77.57	78.65
3750	3.02	77.65	78.79
3752	3.00	77.78	78.84
3754	3.00	77.85	78.95
3756	3.00	77.95	79.09
3758	2.98	78.06	79.16
3760	3.02	78.14	79.26
3762	3.01	78.18	79.41
3764	3.01	78.36	79.50
3766	3.00	78.41	79.58
3768	3.00	78.59	79.66
3770	2.98	78.63	79.78
3772	2.98	78.71	79.87
3774	3.00	78.80	79.98
3776	3.00	78.87	80.12
3778	3.01	79.03	80.18
3780	2.99	79.13	80.31
3782	3.03	79.21	80.39
3784	2.99	79.30	80.50
3786	3.00	79.35	80.62
3788	3.00	79.45	80.69
3790	2.99	79.57	80.81
3792	2.99	79.63	80.92
3794	3.01	79.76	80.99
3796	3.01	79.85	81.10
3798	2.97	79.91	81.19
3800	3.00	79.98	81.30
3802	2.99	80.13	81.40
3804	3.02	80.23	81.49
3806	3.01	80.31	81.59
3808	2.98	80.44	81.69
3810	2.97	80.57	81.78
3812	3.04	80.75	81.91
3814	3.00	80.87	82.00
3816	3.01	81.00	82.12
3818	2.99	81.16	82.24
3820	3.00	81.27	82.34
3822	3.01	81.44	82.44
3824	3.02	81.55	82.56
3826	3.00	81.71	82.66
3828	3.00	81.79	82.80
3830	3.01	81.91	82.88
3832	3.00	82.03	82.97
3834	2.97	82.16	83.12
3836	3.04	82.29	83.21
3838	3.02	82.36	83.34

3840	3.05	82.55	83.45
3842	3.04	82.66	83.57
3844	3.02	82.75	83.68
3846	3.04	82.87	83.81
3848	2.99	82.98	83.89
3850	3.02	83.14	84.03
3852	3.01	83.24	84.13
3854	3.03	83.38	84.22
3856	3.04	83.50	84.34
3858	3.02	83.61	84.50
3860	3.01	83.79	84.58
3862	3.02	83.83	84.69
3864	3.01	83.94	84.81
3866	3.00	84.08	84.93
3868	3.00	84.22	85.07
3870	2.98	84.32	85.16
3872	3.04	84.42	85.28
3874	2.99	84.58	85.40
3876	2.96	84.66	85.50
3878	3.02	84.80	85.60
3880	2.97	84.89	85.72
3882	3.01	84.99	85.86
3884	2.98	85.10	85.95
3886	2.99	85.23	86.09
3888	3.00	85.34	86.20
3890	3.01	85.49	86.31
3892	3.01	85.53	86.44
3894	3.00	85.68	86.55
3896	3.03	85.80	86.70
3898	2.98	85.91	86.80
3900	3.01	85.99	86.90
3902	3.03	86.16	87.01
3904	3.02	86.27	87.15
3906	3.00	86.33	87.24
3908	3.03	86.49	87.35
3910	2.99	86.59	87.49
3912	3.00	86.69	87.59
3914	3.01	86.79	87.73
3916	2.99	86.90	87.80
3918	3.02	87.02	87.94
3920	3.00	87.15	88.05
3922	3.02	87.25	88.16
3924	3.02	87.36	88.28
3926	2.99	87.42	88.38
3928	2.99	87.54	88.49
3930	2.99	87.66	88.60
3932	3.00	87.77	88.72

3934	3.00	87.84	88.83
3936	3.01	88.00	88.98
3938	3.01	88.09	89.08
3940	3.00	88.20	89.17
3942	3.02	88.25	89.30
3944	2.95	88.38	89.40
3946	3.00	88.55	89.50
3948	3.00	88.59	89.60
3950	2.99	88.73	89.73
3952	3.02	88.83	89.84
3954	2.98	88.90	89.94
3956	3.01	89.02	90.05
3958	3.02	89.11	90.16
3960	3.00	89.21	90.28
3962	2.97	89.33	90.41
3964	3.05	89.45	90.50
3966	2.99	89.55	90.63
3968	3.00	89.66	90.73
3970	3.02	89.73	90.83
3972	2.99	89.83	90.94
3974	3.01	89.90	91.04
3976	3.00	90.04	91.14
3978	3.01	90.13	91.29
3980	2.99	90.25	91.38
3982	3.02	90.32	91.48
3984	2.99	90.43	91.60
3986	3.01	90.51	91.69
3988	3.00	90.62	91.78
3990	3.00	90.71	91.91
3992	3.01	90.81	91.98
3994	2.96	90.91	92.07
3996	3.03	91.02	92.19
3998	3.01	91.12	92.31
4000	2.99	91.19	92.41
4002	3.00	91.30	92.53
4004	3.02	91.40	92.60
4006	3.02	91.50	92.68
4008	3.00	91.59	92.80
4010	2.99	91.72	92.96
4012	3.01	91.78	93.02
4014	3.01	91.87	93.10
4016	3.00	91.95	93.20
4018	3.01	92.07	93.32
4020	2.98	92.12	93.40
4022	3.01	92.28	93.50
4024	2.98	92.41	93.63
4026	2.97	92.52	93.75

4028	3.02	92.65	93.85
4030	3.00	92.80	93.98
4032	2.98	92.92	94.08
4034	2.99	93.04	94.17
4036	2.98	93.18	94.28
4038	3.00	93.30	94.38
4040	2.98	93.44	94.49
4042	2.99	93.56	94.61
4044	3.02	93.71	94.73
4046	3.01	93.81	94.85
4048	3.01	93.95	94.96
4050	2.99	94.08	95.08
4052	3.01	94.22	95.20
4054	3.02	94.37	95.30
4056	3.03	94.47	95.42
4058	3.00	94.62	95.53
4060	3.02	94.74	95.64
4062	3.01	94.87	95.75
4064	3.01	94.99	95.87
4066	2.98	95.15	95.96
4068	3.03	95.28	96.09
4070	2.97	95.39	96.21
4072	3.00	95.52	96.39
4074	3.00	95.65	96.48
4076	3.01	95.77	96.63
4078	2.98	95.92	96.75
4080	3.00	96.00	96.87
4082	3.00	96.16	96.93
4084	3.01	96.28	97.06
4086	3.01	96.43	97.24
4088	3.02	96.55	97.38
4090	3.00	96.68	97.45
4092	3.02	96.79	97.57
4094	3.04	96.94	97.71
4096	3.01	97.04	97.85
4098	3.01	97.19	97.95
4100	3.02	97.27	98.08
4102	3.03	97.42	98.15
4104	3.02	97.51	98.31
4106	3.01	97.65	98.39
4108	3.01	97.76	98.50
4110	3.01	97.86	98.63
4112	2.99	97.97	98.77
4114	2.99	98.11	98.88
4116	3.01	98.22	99.00
4118	2.98	98.32	99.08
4120	3.02	98.43	99.21

4122	2.99	98.57	99.34
4124	3.00	98.72	99.47
4126	3.03	98.83	99.60
4128	3.02	98.94	99.67
4130	3.02	99.06	99.81
4132	3.00	99.14	99.96
4134	3.01	99.27	100.09
4136	3.01	99.39	100.20
4138	3.02	99.53	100.28
4140	3.04	99.62	100.40
4142	3.03	99.73	100.54
4144	3.02	99.86	100.63
4146	3.03	100.00	100.75
4148	3.05	100.11	100.89
4150	3.00	100.20	100.99
4152	3.02	100.31	101.09
4154	3.03	100.43	101.23
4156	3.01	100.55	101.32
4158	3.01	100.68	101.44
4160	3.00	100.77	101.54
4162	3.01	100.86	101.69
4164	3.00	100.99	101.80
4166	3.01	101.12	101.91
4168	3.02	101.21	102.01
4170	3.02	101.37	102.12
4172	3.04	101.46	102.21
4174	3.02	101.55	102.33
4176	3.02	101.67	102.41
4178	3.02	101.81	102.55
4180	3.02	101.89	102.65
4182	3.02	102.00	102.76
4184	3.03	102.15	102.87
4186	3.00	102.23	102.99
4188	3.01	102.35	103.12
4190	3.02	102.44	103.25
4192	3.01	102.57	103.33
4194	3.00	102.67	103.46
4196	2.99	102.77	103.57
4198	3.05	102.89	103.67
4200	3.01	102.99	103.80
4202	2.99	103.09	103.90
4204	3.04	103.19	104.03
4206	3.01	103.29	104.12
4208	3.01	103.40	104.21
4210	3.05	103.50	104.39
4212	3.02	103.61	104.49
4214	3.00	103.71	104.59

4216	2.99	103.83	104.69
4218	3.02	103.92	104.84
4220	2.99	104.03	104.91
4222	3.03	104.14	105.04
4224	3.00	104.24	105.14
4226	3.02	104.33	105.22
4228	3.02	104.44	105.38
4230	3.01	104.53	105.45
4232	3.02	104.65	105.58
4234	3.03	104.74	105.69
4236	3.01	104.85	105.77
4238	3.01	104.95	105.91
4240	2.99	105.04	106.01
4242	3.03	105.14	106.10
4244	3.02	105.26	106.20
4246	3.02	105.34	106.31
4248	3.03	105.43	106.44
4250	3.04	105.54	106.56
4252	3.01	105.61	106.66
4254	3.04	105.71	106.78
4256	2.99	105.81	106.85
4258	3.01	105.90	106.93
4260	3.01	106.01	107.05
4262	3.02	106.09	107.15
4264	3.02	106.18	107.26
4266	3.01	106.31	107.39
4268	3.03	106.40	107.50
4270	3.02	106.49	107.59
4272	3.02	106.59	107.69
4274	3.01	106.67	107.78
4276	3.00	106.79	107.89
4278	3.05	106.87	107.97
4280	3.01	106.96	108.09
4282	3.04	107.05	108.19
4284	3.02	107.17	108.33
4286	3.02	107.23	108.42
4288	3.03	107.35	108.50
4290	3.02	107.44	108.61
4292	3.01	107.54	108.67
4294	3.00	107.63	108.79
4296	3.02	107.74	108.89
4298	3.03	107.79	108.99
4300	3.02	107.92	109.08
4302	2.97	108.02	109.22
4304	3.00	108.09	109.28
4306	3.00	108.20	109.37
4308	3.01	108.28	109.51

4310	2.99	108.39	109.57
4312	2.99	108.45	109.68
4314	3.01	108.57	109.78
4316	2.99	108.61	109.90
4318	3.01	108.72	109.99
4320	2.99	108.80	110.09
4322	2.98	108.87	110.17
4324	3.01	108.99	110.28
4326	3.00	109.09	110.36
4328	3.01	109.16	110.47
4330	3.02	109.26	110.58
4332	3.02	109.36	110.66
4334	3.03	109.48	110.77
4336	3.01	109.54	110.88
4338	3.02	109.64	110.98
4340	3.03	109.75	111.06
4342	3.05	109.84	111.13
4344	3.01	109.91	111.28
4346	3.01	109.99	111.36
4348	3.05	110.10	111.47
4350	3.02	110.18	111.53
4352	3.03	110.27	111.63
4354	3.02	110.37	111.73
4356	3.02	110.42	111.84
4358	3.03	110.50	111.90
4360	3.01	110.62	112.04
4362	3.02	110.71	112.08
4364	3.04	110.76	112.20
4366	3.02	110.88	112.30
4368	3.00	110.95	112.37
4370	3.00	111.03	112.46
4372	3.02	111.12	112.54
4374	3.05	111.20	112.63
4376	3.02	111.25	112.73
4378	3.02	111.37	112.85
4380	3.04	111.44	112.93
4382	3.02	111.52	113.01
4384	3.06	111.61	113.09
4386	3.05	111.69	113.20
4388	3.01	111.77	113.28
4390	3.06	111.84	113.35
4392	3.03	111.94	113.44
4394	3.02	112.03	113.54
4396	3.03	112.09	113.61
4398	3.03	112.19	113.68
4400	3.01	112.28	113.80
4402	3.01	112.36	113.87

4404	3.00	112.42	113.97
4406	3.00	112.49	114.05
4408	2.99	112.59	114.14
4410	3.02	112.67	114.22
4412	3.00	112.72	114.32
4414	3.01	112.82	114.40
4416	3.01	112.88	114.45
4418	3.02	112.96	114.58
4420	3.01	113.05	114.66
4422	2.99	113.14	114.74
4424	2.98	113.20	114.82
4426	3.00	113.29	114.93
4428	2.98	113.36	114.99
4430	2.99	113.44	115.08
4432	3.01	113.53	115.16
4434	3.00	113.62	115.26
4436	2.97	113.68	115.33
4438	3.01	113.73	115.44
4440	3.01	113.74	115.51
4442	3.03	113.87	115.59
4444	3.03	113.91	115.66
4446	3.01	114.01	115.74
4448	3.04	114.09	115.84
4450	3.02	114.14	115.90
4452	3.04	114.23	115.99
4454	3.03	114.29	116.09
4456	3.05	114.36	116.17
4458	2.97	114.43	116.22
4460	3.02	114.51	116.33
4462	2.99	114.58	116.39
4464	3.03	114.64	116.51
4466	3.03	114.73	116.58
4468	2.98	114.83	116.65
4470	3.01	114.88	116.73
4472	3.03	114.92	116.82
4474	2.98	115.03	116.85
4476	3.02	115.08	116.98
4478	2.99	115.15	117.02
4480	3.00	115.22	117.13
4482	2.98	115.29	117.18
4484	3.01	115.34	117.28
4486	3.02	115.45	117.32
4488	3.02	115.50	117.44
4490	3.01	115.55	117.51
4492	3.00	115.64	117.59
4494	3.00	115.70	117.67
4496	2.97	115.75	117.75

4498	3.00	115.81	117.82
4500	3.00	115.89	117.91
4502	3.01	115.99	117.96
4504	3.01	116.04	118.06
4506	3.00	116.11	118.14
4508	2.99	116.16	118.20
4510	3.00	116.23	118.28
4512	3.04	116.30	118.33
4514	3.01	116.36	118.41
4516	3.01	116.45	118.48
4518	3.00	116.49	118.53
4520	2.99	116.55	118.62
4522	3.02	116.62	118.69
4524	3.01	116.69	118.74
4526	3.00	116.72	118.85
4528	2.99	116.82	118.92
4530	3.00	116.89	118.99
4532	3.00	116.95	119.05
4534	3.02	117.01	119.13
4536	3.04	117.08	119.22
4538	3.00	117.13	119.30
4540	2.98	117.16	119.36
4542	3.05	117.26	119.44
4544	3.04	117.32	119.50
4546	3.00	117.36	119.57
4548	3.02	117.43	119.64
4550	3.01	117.48	119.72
4552	3.03	117.55	119.77
4554	3.02	117.57	119.83
4556	3.02	117.68	119.89
4558	2.98	117.70	120.01
4560	2.98	117.76	120.03
4562	2.99	117.83	120.13
4564	3.01	117.89	120.22
4566	3.01	117.94	120.25
4568	3.02	118.01	120.31
4570	3.00	118.08	120.35
4572	3.00	118.13	120.44
4574	3.01	118.22	120.53
4576	3.02	118.25	120.57
4578	3.00	118.30	120.67
4580	3.01	118.34	120.73
4582	3.03	118.43	120.78
4584	3.03	118.47	120.84
4586	3.01	118.52	120.89
4588	3.03	118.59	120.97
4590	3.01	118.64	121.01

4592	3.00	118.67	121.09
4594	3.01	118.75	121.18
4596	3.01	118.84	121.23
4598	3.02	118.87	121.25
4600	3.01	118.91	121.35
4602	2.98	118.97	121.43
4604	3.01	119.01	121.51
4606	3.02	119.11	121.54
4608	3.00	119.15	121.63
4610	3.01	119.21	121.66
4612	3.01	119.27	121.74
4614	3.02	119.31	121.80
4616	2.99	119.35	121.88
4618	3.01	119.43	121.95
4620	3.02	119.46	121.99
4622	3.01	119.53	122.04
4624	3.05	119.59	122.13
4626	3.01	119.61	122.19
4628	3.03	119.64	122.26
4630	3.04	119.68	122.32
4632	3.02	119.72	122.37
4634	3.03	119.76	122.42
4636	3.02	119.76	122.45
4638	3.01	119.82	122.52
4640	3.02	119.85	122.59
4642	3.00	119.86	122.65
4644	3.00	119.89	122.72
4646	3.04	119.90	122.76
4648	3.00	119.94	122.82
4650	3.03	119.97	122.84
4652	3.02	120.00	122.94
4654	3.02	120.02	122.97
4656	2.99	120.05	123.01
4658	3.00	120.06	123.08
4660	2.96	120.10	123.15
4662	3.01	120.13	123.20
4664	3.02	120.16	123.25
4666	3.00	120.17	123.30
4668	3.03	120.21	123.36
4670	3.04	120.24	123.42
4672	3.03	120.27	123.44
4674	3.06	120.31	123.49
4676	3.01	120.32	123.56
4678	3.00	120.35	123.61
4680	3.00	120.40	123.63
4682	3.03	120.40	123.67
4684	3.01	120.41	123.69

4686	2.96	120.44	123.76
4688	2.99	120.47	123.82
4690	3.00	120.49	123.85
4692	2.99	120.55	123.89
4694	3.01	120.53	123.97
4696	3.00	120.58	124.00
4698	3.01	120.61	124.09
4700	3.03	120.64	124.12
4702	3.00	120.66	124.15
4704	3.03	120.72	124.25
4706	3.03	120.73	124.24
4708	3.02	120.75	124.32
4710	3.02	120.77	124.34
4712	3.02	120.80	124.39
4714	3.03	120.83	124.44
4716	3.00	120.85	124.46
4718	2.97	120.86	124.48
4720	3.01	120.89	124.55
4722	3.00	120.90	124.59
4724	3.00	120.93	124.61
4726	2.99	120.96	124.66
4728	2.99	120.96	124.73
4730	3.02	121.00	124.73
4732	3.03	121.03	124.78
4734	3.01	121.04	124.84
4736	3.03	121.08	124.88
4738	2.98	121.12	124.91
4740	3.03	121.15	124.93
4742	3.03	121.16	124.99
4744	2.97	121.20	125.00
4746	3.00	121.20	125.05
4748	3.01	121.23	125.10
4750	2.98	121.24	125.12
4752	2.99	121.24	125.18
4754	3.00	121.21	125.22
4756	2.98	120.86	125.23
4758	3.00	120.44	125.27
4760	3.00	120.02	125.25
4762	2.98	119.62	125.29
4764	3.02	119.16	125.33
4766	3.00	118.68	125.30
4768	3.03	118.23	125.29
4770	3.04	117.80	125.27
4772	3.02	117.41	125.27
4774	3.02	117.03	125.24
4776	3.03	116.70	125.24
4778	3.01	116.41	125.16

4780	3.02	116.19	125.13
4782	3.01	116.10	125.08
4784	2.97	115.99	125.04
4786	2.99	115.93	124.97
4788	3.02	115.86	124.96
4790	2.99	115.81	124.94
4792	3.00	115.75	124.89
4794	2.98	115.72	124.86
4796	2.98	115.69	124.81
4798	3.02	115.62	124.78
4800	2.99	115.61	124.75
4802	2.99	115.60	124.72
4804	3.02	115.57	124.70
4806	3.03	115.55	124.65
4808	2.99	115.53	124.65
4810	3.00	115.50	124.57
4812	3.01	115.48	124.54
4814	3.01	115.43	124.52
4816	2.99	115.42	124.50
4818	2.99	115.41	124.45
4820	2.99	115.35	124.42
4822	3.01	115.33	124.35
4824	2.99	115.32	124.31
4826	3.02	115.31	124.30
4828	2.98	115.28	124.25
4830	3.02	115.23	124.21
4832	2.99	115.24	124.19
4834	2.98	115.21	124.15
4836	3.01	115.22	124.12
4838	3.00	115.20	124.06
4840	3.02	115.16	124.06
4842	3.00	115.16	124.03
4844	3.03	115.17	124.00
4846	3.02	115.16	123.96
4848	3.04	115.13	123.94
4850	3.00	115.12	123.90
4852	3.02	115.09	123.88
4854	2.97	115.08	123.83
4856	3.04	115.09	123.81
4858	3.00	115.08	123.77
4860	2.98	115.04	123.74
4862	3.00	115.06	123.70
4864	2.98	115.02	123.70
4866	3.00	115.02	123.66
4868	2.98	115.00	123.61
4870	2.99	114.97	123.57
4872	2.99	114.98	123.58

4874	3.00	114.98	123.52
4876	3.00	114.97	123.52
4878	3.03	114.95	123.49
4880	3.04	114.95	123.48
4882	2.98	114.93	123.43
4884	3.00	114.94	123.42
4886	3.02	114.93	123.40
4888	3.00	114.92	123.35
4890	3.01	114.89	123.34
4892	3.00	114.88	123.33
4894	2.99	114.86	123.28
4896	3.02	114.86	123.26
4898	3.00	114.85	123.24
4900	3.02	114.84	123.19
4902	3.02	114.83	123.18
4904	2.96	114.81	123.16
4906	3.02	114.79	123.13
4908	3.01	114.79	123.07
4910	3.03	114.78	123.08
4912	3.00	114.77	123.08
4914	3.00	114.76	123.05
4916	2.99	114.76	123.01
4918	3.00	114.72	123.00
4920	3.00	114.72	122.95
4922	3.02	114.73	122.95
4924	3.01	114.71	122.91
4926	3.01	114.69	122.88
4928	3.02	114.70	122.87
4930	3.00	114.66	122.83
4932	2.99	114.65	122.84
4934	2.98	114.63	122.80
4936	3.03	114.65	122.77
4938	2.98	114.63	122.75
4940	3.01	114.62	122.72
4942	2.97	114.60	122.70
4944	3.01	114.60	122.71
4946	3.04	114.60	122.68
4948	3.01	114.58	122.65
4950	3.02	114.58	122.64
4952	3.00	114.56	122.64
4954	2.98	114.53	122.57
4956	3.00	114.53	122.56
4958	3.02	114.54	122.56
4960	3.01	114.51	122.52
4962	2.99	114.48	122.50
4964	3.02	114.49	122.48
4966	3.00	114.49	122.46

4968	2.98	114.44	122.42
4970	2.99	114.46	122.42
4972	3.00	114.42	122.38
4974	3.00	114.41	122.37
4976	2.97	114.41	122.35
4978	3.00	114.37	122.31
4980	2.97	114.37	122.30
4982	2.99	114.38	122.29
4984	2.97	114.37	122.27
4986	2.99	114.32	122.25
4988	2.98	114.34	122.24
4990	2.99	114.32	122.20
4992	3.00	114.30	122.18
4994	3.01	114.30	122.16
4996	3.00	114.30	122.15
4998	3.01	114.29	122.10
5000	3.00	114.28	122.11
5002	3.02	114.28	122.09
5004	3.01	114.24	122.06
5006	3.03	114.25	122.08
5008	3.01	114.24	122.04
5010	2.99	114.21	121.99
5012	2.98	114.21	121.98
5014	3.01	114.18	121.96
5016	3.00	114.19	121.94
5018	3.00	114.19	121.92
5020	3.03	114.14	121.93
5022	2.99	114.14	121.90
5024	3.02	114.11	121.89
5026	2.99	114.12	121.86
5028	3.00	114.09	121.83
5030	2.97	114.09	121.82
5032	2.99	114.10	121.79
5034	2.98	114.06	121.78
5036	2.98	114.05	121.77
5038	2.98	114.03	121.76
5040	2.99	114.04	121.73
5042	3.00	114.03	121.71
5044	3.00	114.01	121.70
5046	3.01	113.99	121.69
5048	2.97	113.97	121.66
5050	3.00	113.96	121.65
5052	2.98	113.97	121.62
5054	2.96	113.95	121.58
5056	2.99	113.95	121.59
5058	2.99	113.94	121.58
5060	2.99	113.92	121.55

5062	2.97	113.92	121.52
5064	2.96	113.88	121.50
5066	2.99	113.89	121.49
5068	2.98	113.88	121.52
5070	2.99	113.87	121.46
5072	2.96	113.82	121.45
5074	3.00	113.84	121.46
5076	2.96	113.81	121.43
5078	3.01	113.80	121.44
5080	3.03	113.81	121.40
5082	3.01	113.80	121.40
5084	3.00	113.78	121.39
5086	3.02	113.77	121.36
5088	3.02	113.77	121.34
5090	3.01	113.74	121.33
5092	3.01	113.74	121.32
5094	3.03	113.74	121.33
5096	3.00	113.74	121.28
5098	3.04	113.72	121.28
5100	3.02	113.71	121.26
5102	3.02	113.69	121.22
5104	3.01	113.67	121.24
5106	3.03	113.67	121.23
5108	3.03	113.65	121.20
5110	3.01	113.65	121.17
5112	3.03	113.64	121.12
5114	3.03	113.63	121.15
5116	3.00	113.60	121.15
5118	3.04	113.61	121.11
5120	3.03	113.60	121.09
5122	3.02	113.58	121.08
5124	3.03	113.56	121.09
5126	3.02	113.56	121.03
5128	3.03	113.56	121.03
5130	3.02	113.52	121.01
5132	3.02	113.51	121.02
5134	3.02	113.50	120.99
5136	2.99	113.49	121.00
5138	2.99	113.51	120.97
5140	3.00	113.48	120.93
5142	3.02	113.44	120.92
5144	3.00	113.43	120.91
5146	3.01	113.42	120.87
5148	3.00	113.43	120.86
5150	2.99	113.40	120.85
5152	2.99	113.38	120.83
5154	2.99	113.39	120.87

5156	2.97	113.36	120.84
5158	3.00	113.36	120.81
5160	2.99	113.36	120.79
5162	3.00	113.31	120.78
5164	3.00	113.33	120.74
5166	3.01	113.31	120.75
5168	2.98	113.29	120.73
5170	3.01	113.30	120.71
5172	2.99	113.28	120.67
5174	3.01	113.26	120.67
5176	3.00	113.25	120.68
5178	3.01	113.26	120.66
5180	3.01	113.25	120.62
5182	2.98	113.23	120.62
5184	2.99	113.22	120.61
5186	3.00	113.20	120.61
5188	3.02	113.22	120.61
5190	3.00	113.18	120.59
5192	2.99	113.18	120.56
5194	3.04	113.17	120.53
5196	3.04	113.15	120.57
5198	2.99	113.14	120.52
5200	3.03	113.14	120.50
5202	2.98	113.14	120.48
5204	3.02	113.12	120.46
5206	3.00	113.10	120.47
5208	3.04	113.09	120.45
5210	2.99	113.08	120.44
5212	2.99	113.04	120.42
5214	3.01	113.04	120.40
5216	2.98	113.04	120.38
5218	3.02	113.05	120.41
5220	3.03	113.03	120.38
5222	2.99	113.02	120.36
5224	3.01	113.01	120.33
5226	3.01	112.99	120.33
5228	3.00	113.00	120.31
5230	3.03	113.00	120.29
5232	3.01	112.97	120.30
5234	3.02	112.95	120.29
5236	3.01	112.95	120.25
5238	3.01	112.93	120.24
5240	2.99	112.93	120.20
5242	3.00	112.91	120.20
5244	3.02	112.90	120.19
5246	2.96	112.89	120.16
5248	3.00	112.87	120.16

5250	2.99	112.86	120.14
5252	3.02	112.87	120.14
5254	2.97	112.82	120.11
5256	3.00	112.83	120.11
5258	2.98	112.84	120.10
5260	3.01	112.78	120.09
5262	2.98	112.77	120.07
5264	3.01	112.78	120.07
5266	2.99	112.78	120.05
5268	2.99	112.75	120.04
5270	3.03	112.76	120.01
5272	3.00	112.78	120.00
5274	3.04	112.75	120.02
5276	3.00	112.72	120.02
5278	3.00	112.71	119.97
5280	2.98	112.69	119.95
5282	2.98	112.68	119.94
5284	3.01	112.66	119.94
5286	3.01	112.67	119.91
5288	2.99	112.63	119.87
5290	2.98	112.63	119.89
5292	2.99	112.61	119.87
5294	2.98	112.60	119.88
5296	2.99	112.58	119.84
5298	2.99	112.57	119.83
5300	2.99	112.57	119.81
5302	2.99	112.56	119.83
5304	2.98	112.56	119.80
5306	2.98	112.54	119.78
5308	2.99	112.53	119.74
5310	2.97	112.49	119.75
5312	2.98	112.50	119.72
5314	3.00	112.51	119.70
5316	2.99	112.47	119.72
5318	2.98	112.45	119.69
5320	2.98	112.44	119.70
5322	2.99	112.45	119.68
5324	3.01	112.43	119.66
5326	2.99	112.42	119.66
5328	2.98	112.41	119.64
5330	2.99	112.41	119.63
5332	3.00	112.39	119.61
5334	2.98	112.37	119.60
5336	2.99	112.35	119.57
5338	3.00	112.35	119.57
5340	2.99	112.33	119.57
5342	2.99	112.33	119.54

5344	2.96	112.31	119.51
5346	2.99	112.31	119.53
5348	3.01	112.30	119.52
5350	3.00	112.28	119.49
5352	3.02	112.30	119.49
5354	3.01	112.27	119.48
5356	3.01	112.27	119.44
5358	3.03	112.26	119.41
5360	3.02	112.24	119.45
5362	2.98	112.23	119.42
5364	3.01	112.22	119.42
5366	3.02	112.23	119.39
5368	3.00	112.20	119.38
5370	3.00	112.23	119.37
5372	3.00	112.21	119.37
5374	3.00	112.16	119.35
5376	3.01	112.17	119.33
5378	3.00	112.15	119.32
5380	3.01	112.14	119.31
5382	3.03	112.15	119.32
5384	2.99	112.12	119.30
5386	3.02	112.11	119.26
5388	3.02	112.09	119.26
5390	2.99	112.07	119.25
5392	2.99	112.06	119.22
5394	2.98	112.07	119.22
5396	2.98	112.05	119.21
5398	3.01	112.02	119.20
5400	2.97	112.03	119.20
5402	2.99	112.01	119.18
5404	2.98	112.00	119.16
5406	2.98	111.99	119.17
5408	2.97	111.98	119.12
5410	2.99	111.97	119.11
5412	2.98	111.95	119.12
5414	2.96	111.93	119.12
5416	2.99	111.92	119.09
5418	3.02	111.93	119.06
5420	2.96	111.89	119.07
5422	2.98	111.90	119.06
5424	3.01	111.91	119.04
5426	2.99	111.89	119.02
5428	3.01	111.88	119.01
5430	3.02	111.86	119.03
5432	3.00	111.83	118.99
5434	2.98	111.83	118.98
5436	3.01	111.82	118.99

5438	3.01	111.83	118.97
5440	2.98	111.79	118.94
5442	3.01	111.77	118.93
5444	3.01	111.78	118.91
5446	3.00	111.78	118.92
5448	2.99	111.78	118.88
5450	3.00	111.75	118.88
5452	3.01	111.74	118.85
5454	3.03	111.74	118.87
5456	3.00	111.73	118.85
5458	3.00	111.71	118.85
5460	3.00	111.71	118.83
5462	2.99	111.67	118.81
5464	2.98	111.67	118.80
5466	3.01	111.66	118.78
5468	3.00	111.66	118.78
5470	3.01	111.65	118.76
5472	2.99	111.65	118.76
5474	2.97	111.61	118.74
5476	2.99	111.61	118.74
5478	3.01	111.60	118.70
5480	3.00	111.61	118.67
5482	3.04	111.58	118.67
5484	3.00	111.57	118.69
5486	2.99	111.56	118.66
5488	3.04	111.55	118.64
5490	3.00	111.54	118.62
5492	3.01	111.52	118.63
5494	3.03	111.54	118.63
5496	3.00	111.50	118.60
5498	3.00	111.50	118.59
5500	2.98	111.50	118.59
5502	3.01	111.47	118.59
5504	3.02	111.44	118.57
5506	3.03	111.46	118.54
5508	3.01	111.48	118.54
5510	3.00	111.42	118.53
5512	3.02	111.41	118.52
5514	3.02	111.40	118.50
5516	3.01	111.40	118.50
5518	2.97	111.39	118.47
5520	3.00	111.38	118.45
5522	3.00	111.37	118.44
5524	3.01	111.36	118.45
5526	3.01	111.35	118.47
5528	3.00	111.34	118.42
5530	3.00	111.33	118.42

5532	3.01	111.30	118.40
5534	3.00	111.30	118.38
5536	3.02	111.29	118.38
5538	3.01	111.27	118.37
5540	3.02	111.27	118.36
5542	3.00	111.27	118.34
5544	2.99	111.25	118.33
5546	3.01	111.22	118.30
5548	2.98	111.24	118.30
5550	2.99	111.22	118.30
5552	2.96	111.20	118.27
5554	2.96	111.19	118.25
5556	3.02	111.19	118.25
5558	2.97	111.15	118.24
5560	2.97	111.16	118.23
5562	2.97	111.13	118.24
5564	2.97	111.14	118.19
5566	2.97	111.11	118.20
5568	2.98	111.11	118.21
5570	2.97	111.09	118.17
5572	2.97	111.09	118.16
5574	3.01	111.10	118.16
5576	2.99	111.10	118.14
5578	2.98	111.05	118.13
5580	3.01	111.06	118.12
5582	2.99	111.05	118.11
5584	2.99	111.04	118.11
5586	3.00	111.04	118.11
5588	3.00	111.03	118.09
5590	3.00	111.01	118.08
5592	3.00	111.01	118.05
5594	3.00	111.00	118.07
5596	2.98	110.97	118.03
5598	2.97	110.96	118.02
5600	3.01	110.99	118.03
5602	3.03	110.93	117.99
5604	3.00	110.92	118.00
5606	2.99	110.92	117.98
5608	3.00	110.91	117.95
5610	3.02	110.90	117.95
5612	2.99	110.89	117.97
5614	3.01	110.86	117.92
5616	2.99	110.84	117.91
5618	3.00	110.86	117.93
5620	2.99	110.87	117.88
5622	3.01	110.82	117.89
5624	2.98	110.83	117.88

5626	3.01	110.83	117.88
5628	3.00	110.80	117.85
5630	3.02	110.79	117.86
5632	2.96	110.80	117.84
5634	3.00	110.78	117.82
5636	3.01	110.74	117.82
5638	2.97	110.74	117.80
5640	3.00	110.73	117.75
5642	2.96	110.76	117.76
5644	2.99	110.72	117.76
5646	2.98	110.69	117.75
5648	2.96	110.69	117.73
5650	2.99	110.67	117.71
5652	2.96	110.69	117.71
5654	2.97	110.68	117.71
5656	2.98	110.65	117.68
5658	2.98	110.65	117.66
5660	2.97	110.63	117.69
5662	2.98	110.63	117.65
5664	3.02	110.62	117.63
5666	2.97	110.60	117.64
5668	2.99	110.62	117.64
5670	2.95	110.58	117.62
5672	2.97	110.58	117.59
5674	2.98	110.57	117.58
5676	2.96	110.55	117.56
5678	2.96	110.53	117.56
5680	2.96	110.52	117.55
5682	2.96	110.50	117.53
5684	2.98	110.50	117.52
5686	2.95	110.53	117.54
5688	3.01	110.48	117.51
5690	2.98	110.47	117.48
5692	2.99	110.45	117.49
5694	2.96	110.45	117.47
5696	3.00	110.45	117.48
5698	2.98	110.44	117.46
5700	3.00	110.42	117.46
5702	2.97	110.41	117.44
5704	2.98	110.39	117.43
5706	2.99	110.39	117.43
5708	3.01	110.40	117.40
5710	2.99	110.38	117.41
5712	2.98	110.39	117.38
5714	3.01	110.36	117.36
5716	2.99	110.35	117.38
5718	2.99	110.33	117.35

5720	2.98	110.32	117.32
5722	2.98	110.32	117.32
5724	3.00	110.28	117.33
5726	2.98	110.27	117.28
5728	3.00	110.26	117.30
5730	2.97	110.25	117.30
5732	2.97	110.26	117.25
5734	2.99	110.23	117.26
5736	2.99	110.22	117.22
5738	2.99	110.22	117.24
5740	2.99	110.20	117.24
5742	2.94	110.20	117.22
5744	3.01	110.16	117.19
5746	2.96	110.16	117.17
5748	2.97	110.17	117.17
5750	3.00	110.17	117.14
5752	3.00	110.14	117.14
5754	2.97	110.12	117.16
5756	2.96	110.12	117.14
5758	2.99	110.11	117.10
5760	2.95	110.11	117.13
5762	2.95	110.08	117.10
5764	2.96	110.08	117.09
5766	2.99	110.07	117.06
5768	2.97	110.05	117.04
5770	2.99	110.05	117.07
5772	2.98	110.04	117.03
5774	2.96	110.00	117.02
5776	2.99	110.00	117.02
5778	3.00	110.00	117.01
5780	2.99	110.00	116.97
5782	2.97	109.97	116.99
5784	2.96	109.96	116.96
5786	2.97	109.97	116.97
5788	2.97	109.94	116.95
5790	2.97	109.93	116.94
5792	2.96	109.92	116.93
5794	2.95	109.92	116.93
5796	3.02	109.91	116.91
5798	3.00	109.88	116.87
5800	3.00	109.88	116.87
5802	2.98	109.87	116.87
5804	2.98	109.87	116.85
5806	3.00	109.85	116.85
5808	3.01	109.86	116.84
5810	3.01	109.82	116.82
5812	3.00	109.84	116.82

5814	2.99	109.82	116.78
5816	3.01	109.81	116.78
5818	2.99	109.78	116.80
5820	2.99	109.78	116.77
5822	2.98	109.76	116.75
5824	3.04	109.77	116.77
5826	2.99	109.75	116.76
5828	2.96	109.74	116.72
5830	2.99	109.71	116.71
5832	2.97	109.72	116.68
5834	2.98	109.67	116.66
5836	3.02	109.70	116.70
5838	2.99	109.69	116.65
5840	2.98	109.64	116.65
5842	2.98	109.67	116.64
5844	2.98	109.64	116.63
5846	2.99	109.64	116.61
5848	2.97	109.63	116.59
5850	2.99	109.61	116.60
5852	2.99	109.61	116.55
5854	2.97	109.61	116.58
5856	3.02	109.60	116.56
5858	2.99	109.57	116.56
5860	3.00	109.55	116.55
5862	3.02	109.57	116.56
5864	3.02	109.53	116.50
5866	3.02	109.53	116.53
5868	2.99	109.52	116.51
5870	3.01	109.53	116.52
5872	3.01	109.49	116.48
5874	3.00	109.50	116.46
5876	3.02	109.48	116.46
5878	3.00	109.46	116.46
5880	3.00	109.47	116.45
5882	2.96	109.48	116.44
5884	2.99	109.42	116.44
5886	3.00	109.40	116.41
5888	2.99	109.43	116.39
5890	2.99	109.40	116.37
5892	3.00	109.35	116.36
5894	2.97	109.38	116.37
5896	2.97	109.37	116.34
5898	2.99	109.36	116.33
5900	2.99	109.33	116.33
5902	3.00	109.32	116.30
5904	2.98	109.33	116.28
5906	3.00	109.33	116.30

5908	2.96	109.28	116.29
5910	3.00	109.30	116.27
5912	3.02	109.29	116.25
5914	2.98	109.27	116.27
5916	2.99	109.25	116.22
5918	3.00	109.27	116.23
5920	3.00	109.25	116.23
5922	3.02	109.24	116.23
5924	3.01	109.20	116.21
5926	3.02	109.22	116.21
5928	3.02	109.20	116.18
5930	3.02	109.18	116.15
5932	3.00	109.17	116.16
5934	2.99	109.17	116.15
5936	3.01	109.16	116.14
5938	3.01	109.16	116.13
5940	3.02	109.16	116.13
5942	3.01	109.14	116.11
5944	2.99	109.12	116.11
5946	3.00	109.09	116.07
5948	3.00	109.11	116.07
5950	2.98	109.07	116.04
5952	3.00	109.09	116.05
5954	2.99	109.06	116.03
5956	2.98	109.05	116.02
5958	3.03	109.05	115.99
5960	3.00	109.02	116.00
5962	3.02	109.03	115.97
5964	2.98	108.99	115.98
5966	3.01	108.99	115.97
5968	2.99	108.98	115.93
5970	2.97	108.95	115.91
5972	3.01	108.96	115.91
5974	2.97	108.94	115.92
5976	2.98	108.93	115.90
5978	3.02	108.94	115.89
5980	2.94	108.91	115.88
5982	3.01	108.91	115.86
5984	3.00	108.87	115.85
5986	2.99	108.89	115.82
5988	2.98	108.85	115.85
5990	2.99	108.84	115.82
5992	2.99	108.84	115.81
5994	2.98	108.84	115.79
5996	2.98	108.83	115.78
5998	3.00	108.83	115.78
6000	2.97	108.81	115.76

6002	2.97	108.79	115.73
6004	3.01	108.79	115.74
6006	2.98	108.74	115.74
6008	2.96	108.75	115.71
6010	2.99	108.76	115.70
6012	3.01	108.76	115.67
6014	2.97	108.71	115.68
6016	2.99	108.72	115.69
6018	2.96	108.73	115.67
6020	2.99	108.71	115.65
6022	3.01	108.71	115.64
6024	2.98	108.68	115.63
6026	3.02	108.69	115.63
6028	2.99	108.66	115.62
6030	2.97	108.64	115.58
6032	3.02	108.67	115.60
6034	2.99	108.64	115.58
6036	2.99	108.62	115.56
6038	3.00	108.62	115.53
6040	3.03	108.62	115.53
6042	2.99	108.61	115.54
6044	2.99	108.61	115.50
6046	3.00	108.59	115.51
6048	3.01	108.58	115.48
6050	2.99	108.58	115.48
6052	3.00	108.55	115.47
6054	2.99	108.52	115.45
6056	3.03	108.52	115.43
6058	2.96	108.53	115.44
6060	2.98	108.49	115.42
6062	3.00	108.49	115.41
6064	2.98	108.48	115.42
6066	3.01	108.44	115.39
6068	2.98	108.46	115.40
6070	2.98	108.46	115.36
6072	2.98	108.45	115.35
6074	2.99	108.44	115.34
6076	2.97	108.43	115.33
6078	2.96	108.40	115.32
6080	3.00	108.41	115.32
6082	2.98	108.40	115.31
6084	3.01	108.36	115.26
6086	3.01	108.39	115.31
6088	3.01	108.36	115.27
6090	3.00	108.37	115.27
6092	2.99	108.36	115.27
6094	2.97	108.32	115.24

6096	2.98	108.34	115.22
6098	3.00	108.32	115.20
6100	2.98	108.32	115.19
6102	2.97	108.30	115.17
6104	2.96	108.27	115.16
6106	2.99	108.26	115.18
6108	2.99	108.26	115.13
6110	2.97	108.23	115.13
6112	2.96	108.22	115.14
6114	2.96	108.22	115.13
6116	2.98	108.23	115.10
6118	2.99	108.19	115.11
6120	2.99	108.21	115.09
6122	2.98	108.19	115.07
6124	2.98	108.18	115.07
6126	2.96	108.15	115.03
6128	2.96	108.13	115.03
6130	2.98	108.15	115.03
6132	2.96	108.13	115.01
6134	2.97	108.12	115.01
6136	2.96	108.12	114.99
6138	2.98	108.10	114.97
6140	2.95	108.08	114.97
6142	2.99	108.09	114.96
6144	2.98	108.06	114.96
6146	3.01	108.08	114.95
6148	2.97	108.09	114.94
6150	3.00	108.05	114.93
6152	2.98	108.04	114.93
6154	3.01	108.05	114.92
6156	3.01	108.03	114.89
6158	2.99	108.01	114.90
6160	3.00	108.00	114.87
6162	2.98	108.00	114.85
6164	2.96	107.97	114.86
6166	3.03	107.98	114.85
6168	2.98	107.98	114.85
6170	2.96	107.94	114.83
6172	2.97	107.94	114.82
6174	2.97	107.92	114.80
6176	2.99	107.90	114.77
6178	3.00	107.93	114.76
6180	2.97	107.90	114.75
6182	2.99	107.89	114.74
6184	3.00	107.88	114.72
6186	3.00	107.89	114.72
6188	2.96	107.84	114.70

6190	2.98	107.85	114.69
6192	2.97	107.83	114.69
6194	2.98	107.82	114.69
6196	2.97	107.79	114.70
6198	2.98	107.79	114.67
6200	2.97	107.78	114.67
6202	2.94	107.76	114.64
6204	2.99	107.76	114.65
6206	2.94	107.76	114.62
6208	2.96	107.77	114.62
6210	3.00	107.75	114.60
6212	2.97	107.74	114.61
6214	3.00	107.72	114.60
6216	2.97	107.72	114.56
6218	2.96	107.70	114.55
6220	2.97	107.70	114.54
6222	3.00	107.70	114.53
6224	2.96	107.70	114.53
6226	2.97	107.67	114.51
6228	2.99	107.67	114.51
6230	2.96	107.62	114.49
6232	2.97	107.61	114.50
6234	2.97	107.66	114.47
6236	2.96	107.62	114.46
6238	2.97	107.61	114.46
6240	2.97	107.58	114.46
6242	2.99	107.60	114.42
6244	2.98	107.57	114.43
6246	2.98	107.58	114.39
6248	2.98	107.55	114.40
6250	2.98	107.53	114.37
6252	3.01	107.53	114.38
6254	2.99	107.55	114.35
6256	2.98	107.51	114.34
6258	2.98	107.49	114.33
6260	2.98	107.49	114.34
6262	2.99	107.48	114.32
6264	2.97	107.48	114.30
6266	3.00	107.47	114.31
6268	3.01	107.48	114.27
6270	3.01	107.43	114.28
6272	3.00	107.45	114.27
6274	3.01	107.44	114.28
6276	2.98	107.44	114.25
6278	3.03	107.43	114.25
6280	2.99	107.41	114.23
6282	3.02	107.40	114.22

6284	3.00	107.39	114.19
6286	2.99	107.37	114.20
6288	2.96	107.39	114.20
6290	3.02	107.37	114.18
6292	2.99	107.36	114.17
6294	2.97	107.35	114.16
6296	2.99	107.34	114.14
6298	2.98	107.33	114.14
6300	3.00	107.30	114.13
6302	3.00	107.30	114.11
6304	3.00	107.30	114.10
6306	2.97	107.29	114.07
6308	3.01	107.27	114.05
6310	3.00	107.25	114.08
6312	3.02	107.25	114.05
6314	2.95	107.25	114.05
6316	3.02	107.25	114.03
6318	2.97	107.21	114.01
6320	3.01	107.21	114.02
6322	2.98	107.20	114.01
6324	2.98	107.17	113.99
6326	2.98	107.19	113.99
6328	2.99	107.15	113.96
6330	3.00	107.16	113.97
6332	2.98	107.14	113.92
6334	2.97	107.12	113.93
6336	2.98	107.13	113.91
6338	2.97	107.12	113.89
6340	2.98	107.09	113.89
6342	2.98	107.09	113.88
6344	2.96	107.08	113.85
6346	2.96	107.08	113.88
6348	2.99	107.06	113.86
6350	2.99	107.07	113.85
6352	2.98	107.05	113.84
6354	3.01	107.04	113.83
6356	3.02	107.02	113.82
6358	3.00	107.02	113.81
6360	3.00	107.01	113.82
6362	3.00	107.00	113.78
6364	2.97	106.99	113.77
6366	2.96	107.00	113.76
6368	2.97	106.98	113.75
6370	2.95	106.93	113.73
6372	2.97	106.95	113.71
6374	2.96	106.91	113.70
6376	3.02	106.95	113.72

6378	2.96	106.92	113.68
6380	2.99	106.93	113.69
6382	2.99	106.92	113.68
6384	3.00	106.91	113.67
6386	2.99	106.90	113.66
6388	2.98	106.89	113.65
6390	2.99	106.87	113.64
6392	3.00	106.88	113.64
6394	2.97	106.87	113.61
6396	2.97	106.83	113.59
6398	3.00	106.83	113.59
6400	2.96	106.80	113.58
6402	2.97	106.82	113.57
6404	2.98	106.80	113.55
6406	2.99	106.77	113.57
6408	2.98	106.79	113.56
6410	2.98	106.79	113.53
6412	2.98	106.75	113.50
6414	2.97	106.75	113.50
6416	2.99	106.77	113.52
6418	2.99	106.75	113.50
6420	2.97	106.73	113.51
6422	3.00	106.76	113.48
6424	2.99	106.72	113.46
6426	3.01	106.70	113.44
6428	2.99	106.70	113.42
6430	3.00	106.67	113.43
6432	2.99	106.68	113.43
6434	2.99	106.66	113.39
6436	2.99	106.63	113.40
6438	2.98	106.63	113.38
6440	3.00	106.64	113.37
6442	2.99	106.64	113.35
6444	3.00	106.62	113.37
6446	2.98	106.60	113.38
6448	2.98	106.58	113.32
6450	2.98	106.57	113.30
6452	2.96	106.58	113.32
6454	2.99	106.55	113.30
6456	2.95	106.56	113.27
6458	2.96	106.55	113.30
6460	2.97	106.53	113.28
6462	2.96	106.51	113.25
6464	2.95	106.49	113.25
6466	3.00	106.50	113.24
6468	2.96	106.49	113.25
6470	2.99	106.47	113.21

6472	2.98	106.49	113.23
6474	2.98	106.46	113.21
6476	2.99	106.47	113.18
6478	2.99	106.45	113.19
6480	3.00	106.45	113.17
6482	2.98	106.43	113.18
6484	2.98	106.42	113.16
6486	2.99	106.43	113.12
6488	2.98	106.42	113.18
6490	2.98	106.39	113.12
6492	3.03	106.39	113.12
6494	2.99	106.39	113.12
6496	2.97	106.37	113.09
6498	3.02	106.34	113.08
6500	2.95	106.36	113.08
6502	2.98	106.32	113.05
6504	2.95	106.33	113.06
6506	2.97	106.31	113.04
6508	2.97	106.30	113.03
6510	2.98	106.30	113.01
6512	2.95	106.27	113.02
6514	2.95	106.29	113.00
6516	2.96	106.27	112.96
6518	2.99	106.24	113.00
6520	2.95	106.25	112.97
6522	2.96	106.22	112.98
6524	2.95	106.23	112.96
6526	2.97	106.23	112.92
6528	2.97	106.22	112.90
6530	2.95	106.23	112.92
6532	2.97	106.20	112.89
6534	2.97	106.17	112.87
6536	2.99	106.16	112.89
6538	2.97	106.15	112.88
6540	2.98	106.13	112.88
6542	3.00	106.14	112.88
6544	3.02	106.14	112.87
6546	2.98	106.11	112.84
6548	2.96	106.11	112.84
6550	3.00	106.10	112.82
6552	2.99	106.09	112.80
6554	2.99	106.08	112.81
6556	3.01	106.08	112.82
6558	2.99	106.10	112.78
6560	2.97	106.04	112.79
6562	3.02	106.07	112.78
6564	2.99	106.05	112.78

6566	2.97	106.04	112.74
6568	3.00	106.02	112.73
6570	3.00	106.01	112.74
6572	2.99	106.01	112.72
6574	3.00	105.98	112.70
6576	3.01	105.97	112.68
6578	3.00	105.98	112.70
6580	2.98	105.93	112.68
6582	2.98	105.93	112.67
6584	2.98	105.94	112.66
6586	2.97	105.93	112.63
6588	3.00	105.90	112.62
6590	2.97	105.87	112.60
6592	2.97	105.87	112.62
6594	2.98	105.87	112.62
6596	2.94	105.89	112.56
6598	2.97	105.85	112.58
6600	3.00	105.86	112.56
6602	3.01	105.86	112.55
6604	2.99	105.83	112.56
6606	3.01	105.84	112.53
6608	3.02	105.81	112.53
6610	3.00	105.82	112.50
6612	2.97	105.79	112.51
6614	2.99	105.78	112.49
6616	3.00	105.79	112.46
6618	3.00	105.79	112.46
6620	3.00	105.76	112.47
6622	2.94	105.75	112.43
6624	2.99	105.74	112.44
6626	2.97	105.73	112.43
6628	2.98	105.70	112.44
6630	2.99	105.73	112.40
6632	2.98	105.69	112.39
6634	2.97	105.71	112.37
6636	2.96	105.68	112.38
6638	2.97	105.66	112.36
6640	2.97	105.65	112.35
6642	3.00	105.65	112.34
6644	2.96	105.62	112.34
6646	2.96	105.63	112.34
6648	2.96	105.62	112.33
6650	2.96	105.62	112.30
6652	2.95	105.61	112.30
6654	3.01	105.61	112.30
6656	2.93	105.60	112.26
6658	2.98	105.57	112.27

6660	2.96	105.56	112.27
6662	3.00	105.57	112.25
6664	2.96	105.56	112.20
6666	2.97	105.55	112.21
6668	2.95	105.54	112.20
6670	2.98	105.53	112.21
6672	2.95	105.51	112.17
6674	2.98	105.50	112.17
6676	2.99	105.52	112.18
6678	2.97	105.49	112.15
6680	2.98	105.49	112.16
6682	2.99	105.48	112.14
6684	2.96	105.46	112.11
6686	3.00	105.45	112.14
6688	2.98	105.47	112.11
6690	2.98	105.44	112.08
6692	3.01	105.45	112.10
6694	2.99	105.42	112.09
6696	2.99	105.41	112.08
6698	3.00	105.41	112.08
6700	3.00	105.40	112.05
6702	2.98	105.39	112.03
6704	3.02	105.38	112.07
6706	3.01	105.36	112.03
6708	2.97	105.35	112.02
6710	3.00	105.34	111.98
6712	2.98	105.34	112.00
6714	2.98	105.33	111.96
6716	2.98	105.31	111.96
6718	2.99	105.31	111.94
6720	2.98	105.27	111.95
6722	2.99	105.27	111.95
6724	2.98	105.27	111.94
6726	2.95	105.26	111.90
6728	2.96	105.24	111.88
6730	2.98	105.25	111.89
6732	2.96	105.22	111.89
6734	2.95	105.22	111.85
6736	2.97	105.20	111.86
6738	2.98	105.22	111.86
6740	2.97	105.20	111.83
6742	2.97	105.20	111.83
6744	2.97	105.19	111.83
6746	2.98	105.18	111.82
6748	2.95	105.17	111.83
6750	3.00	105.15	111.82
6752	2.99	105.15	111.80

6754	3.01	105.13	111.79
6756	2.98	105.15	111.79
6758	2.99	105.13	111.76
6760	3.01	105.13	111.75
6762	3.01	105.08	111.75
6764	2.99	105.09	111.72
6766	2.98	105.09	111.72
6768	2.97	105.06	111.73
6770	2.97	105.08	111.71
6772	2.95	105.00	111.69
6774	2.95	105.03	111.68
6776	2.98	105.04	111.69
6778	2.97	105.03	111.66
6780	2.98	105.01	111.66
6782	2.97	105.00	111.65
6784	3.00	105.00	111.66
6786	2.99	104.98	111.65
6788	3.02	104.97	111.64
6790	3.00	104.96	111.61
6792	2.98	104.95	111.63
6794	2.97	104.96	111.60
6796	3.00	104.96	111.60
6798	2.96	104.93	111.59
6800	2.97	104.92	111.57
6802	2.97	104.91	111.57
6804	2.96	104.87	111.53
6806	2.98	104.87	111.54
6808	2.97	104.88	111.55
6810	2.97	104.88	111.52
6812	2.96	104.84	111.53
6814	3.00	104.85	111.50
6816	2.99	104.85	111.51
6818	2.97	104.82	111.47
6820	2.96	104.83	111.46
6822	2.95	104.82	111.45
6824	2.99	104.80	111.46
6826	3.00	104.81	111.43
6828	2.96	104.78	111.47
6830	3.01	104.78	111.43
6832	2.98	104.76	111.41
6834	2.98	104.73	111.40
6836	3.01	104.75	111.42
6838	2.98	104.73	111.40
6840	2.97	104.71	111.36
6842	2.95	104.71	111.36
6844	2.96	104.70	111.34
6846	2.99	104.67	111.36

6848	2.98	104.69	111.32
6850	2.96	104.66	111.31
6852	2.99	104.65	111.31
6854	2.96	104.65	111.31
6856	2.96	104.64	111.26
6858	2.94	104.62	111.30
6860	3.00	104.62	111.22
6862	2.96	104.62	111.23
6864	2.99	104.60	111.23
6866	2.98	104.59	111.22
6868	2.97	104.58	111.22
6870	2.99	104.58	111.22
6872	2.98	104.60	111.22
6874	2.95	104.57	111.21
6876	3.01	104.55	111.19
6878	3.02	104.55	111.17
6880	2.98	104.53	111.16
6882	2.99	104.54	111.15
6884	2.99	104.52	111.15
6886	2.97	104.50	111.17
6888	2.99	104.52	111.13
6890	2.99	104.49	111.11
6892	2.96	104.48	111.13
6894	2.98	104.47	111.10
6896	2.97	104.47	111.09
6898	2.99	104.45	111.06
6900	3.03	104.44	111.08
6902	2.98	104.42	111.07
6904	2.99	104.43	111.05
6906	2.99	104.43	111.03
6908	2.95	104.39	111.06
6910	2.96	104.38	111.01
6912	2.98	104.37	111.00
6914	2.97	104.36	110.97
6916	2.96	104.35	111.00
6918	2.95	104.34	110.97
6920	2.99	104.35	110.97
6922	2.97	104.35	110.97
6924	2.97	104.34	110.94
6926	2.96	104.32	110.95
6928	2.96	104.30	110.92
6930	2.98	104.29	110.88
6932	2.97	104.28	110.90
6934	2.94	104.28	110.88
6936	2.97	104.27	110.87
6938	2.99	104.27	110.88
6940	2.95	104.26	110.83

6942	2.98	104.24	110.86
6944	2.97	104.23	110.83
6946	2.94	104.23	110.82
6948	2.95	104.20	110.81
6950	2.98	104.24	110.84
6952	2.99	104.20	110.83
6954	3.00	104.20	110.82
6956	2.99	104.19	110.78
6958	2.96	104.20	110.78
6960	2.98	104.17	110.78
6962	2.98	104.17	110.77
6964	3.00	104.18	110.76
6966	2.99	104.15	110.75
6968	3.01	104.14	110.74
6970	3.00	104.13	110.74
6972	2.96	104.12	110.72
6974	2.99	104.09	110.68
6976	3.00	104.09	110.67
6978	2.98	104.06	110.67
6980	2.96	104.07	110.66
6982	2.94	104.06	110.65
6984	2.95	104.06	110.64
6986	2.95	104.06	110.64
6988	2.95	104.00	110.59
6990	2.98	104.01	110.60
6992	2.97	104.01	110.62
6994	2.95	104.00	110.58
6996	2.97	103.99	110.61
6998	2.97	103.98	110.58
7000	2.96	103.97	110.55
7002	2.98	103.96	110.54
7004	2.97	103.94	110.54
7006	2.97	103.92	110.52
7008	2.93	103.92	110.50
7010	2.99	103.92	110.51
7012	2.97	103.90	110.51
7014	2.98	103.90	110.49
7016	2.96	103.91	110.49
7018	2.99	103.87	110.44
7020	3.00	103.89	110.48
7022	3.01	103.89	110.45
7024	2.98	103.85	110.46
7026	2.98	103.85	110.43
7028	3.01	103.86	110.43
7030	2.95	103.84	110.42
7032	2.99	103.84	110.40
7034	2.99	103.82	110.41

7036	2.98	103.80	110.37
7038	2.96	103.83	110.40
7040	2.96	103.80	110.37
7042	2.93	103.80	110.35
7044	2.99	103.78	110.39
7046	2.99	103.74	110.34
7048	3.00	103.75	110.33
7050	2.98	103.76	110.30
7052	2.95	103.72	110.32
7054	2.97	103.71	110.26
7056	2.96	103.70	110.29
7058	2.92	103.69	110.27
7060	2.94	103.69	110.28
7062	2.99	103.68	110.24
7064	2.96	103.67	110.25
7066	2.97	103.66	110.23
7068	2.97	103.65	110.23
7070	2.97	103.65	110.23
7072	2.98	103.65	110.21
7074	2.99	103.65	110.21
7076	2.97	103.62	110.21
7078	2.97	103.64	110.18
7080	3.01	103.61	110.18
7082	2.95	103.60	110.17
7084	2.98	103.61	110.16
7086	3.00	103.59	110.14
7088	2.96	103.58	110.14
7090	2.98	103.56	110.13
7092	3.03	103.57	110.15
7094	2.96	103.53	110.10
7096	2.96	103.53	110.08
7098	3.00	103.53	110.06
7100	2.99	103.51	110.08
7102	3.00	103.50	110.05
7104	2.98	103.50	110.07
7106	2.98	103.48	110.03
7108	2.99	103.48	110.03
7110	2.98	103.48	110.03
7112	2.99	103.45	110.01
7114	2.97	103.45	110.02
7116	2.99	103.41	109.98
7118	2.97	103.42	109.99
7120	2.97	103.43	109.98
7122	2.97	103.42	109.95
7124	2.96	103.42	109.93
7126	2.98	103.38	109.92
7128	3.02	103.39	109.92

7130	2.94	103.35	109.93
7132	2.99	103.36	109.91
7134	2.96	103.33	109.93
7136	2.95	103.33	109.89
7138	3.00	103.33	109.85
7140	3.00	103.33	109.87
7142	2.97	103.31	109.83
7144	2.98	103.32	109.87
7146	2.98	103.28	109.82
7148	2.99	103.29	109.85
7150	2.96	103.28	109.81
7152	2.97	103.27	109.82
7154	2.96	103.25	109.81
7156	2.95	103.23	109.80
7158	2.94	103.25	109.77
7160	2.96	103.23	109.78
7162	2.95	103.21	109.76
7164	2.96	103.22	109.75
7166	2.98	103.18	109.75
7168	2.96	103.19	109.71
7170	2.98	103.17	109.75
7172	2.97	103.16	109.71
7174	2.97	103.15	109.71
7176	2.97	103.16	109.70
7178	2.94	103.15	109.69
7180	2.97	103.13	109.68
7182	2.97	103.13	109.68
7184	2.96	103.13	109.66
7186	2.95	103.12	109.62
7188	2.96	103.11	109.66
7190	2.97	103.11	109.64
7192	2.97	103.09	109.59
7194	2.97	103.07	109.62
7196	2.99	103.08	109.61
7198	3.01	103.05	109.58
7200	2.96	103.05	109.61
7202	2.98	103.06	109.58
7204	3.00	103.03	109.57
7206	2.98	103.04	109.56
7208	2.97	103.01	109.55
7210	2.96	103.00	109.56
7212	2.99	103.01	109.53
7214	3.00	102.98	109.50
7216	2.98	102.98	109.50
7218	2.98	102.98	109.51
7220	2.98	102.98	109.49
7222	2.97	102.94	109.47

7224	3.00	102.95	109.46
7226	2.97	102.94	109.47
7228	2.98	102.93	109.47
7230	2.96	102.91	109.41
7232	2.99	102.93	109.42
7234	2.98	102.89	109.40
7236	2.98	102.91	109.39
7238	2.98	102.89	109.40
7240	2.96	102.85	109.38
7242	2.98	102.86	109.35
7244	2.97	102.84	109.37
7246	2.97	102.85	109.34
7248	2.98	102.83	109.32
7250	2.99	102.82	109.32
7252	2.98	102.81	109.33
7254	2.96	102.78	109.32
7256	2.97	102.80	109.30
7258	2.98	102.80	109.32
7260	3.00	102.79	109.26
7262	2.97	102.78	109.28
7264	3.00	102.76	109.28
7266	2.98	102.75	109.24
7268	2.97	102.75	109.24
7270	3.01	102.73	109.24
7272	2.99	102.71	109.20
7274	3.02	102.72	109.23
7276	2.96	102.69	109.21
7278	2.98	102.71	109.21
7280	2.97	102.69	109.18
7282	2.96	102.68	109.18
7284	2.97	102.67	109.15
7286	2.99	102.66	109.18
7288	2.97	102.64	109.15
7290	2.95	102.63	109.16
7292	2.98	102.63	109.11
7294	2.98	102.62	109.11
7296	2.97	102.58	109.13
7298	2.98	102.60	109.07
7300	2.99	102.60	109.11
7302	2.96	102.59	109.06
7304	2.97	102.55	109.05
7306	3.00	102.54	109.11
7308	2.99	102.56	109.04
7310	2.96	102.54	109.02
7312	2.98	102.52	109.02
7314	2.98	102.52	109.00
7316	2.98	102.52	109.01

7318	2.95	102.51	109.01
7320	2.95	102.50	108.98
7322	2.97	102.48	108.96
7324	2.98	102.49	108.99
7326	2.94	102.45	108.96
7328	2.94	102.45	108.94
7330	2.97	102.44	108.94
7332	2.97	102.44	108.93
7334	2.93	102.42	108.90
7336	2.93	102.42	108.89
7338	2.96	102.43	108.93
7340	2.98	102.41	108.90
7342	2.95	102.38	108.88
7344	2.96	102.38	108.88
7346	2.99	102.41	108.88
7348	2.95	102.36	108.85
7350	2.95	102.36	108.84
7352	2.98	102.35	108.85
7354	2.97	102.35	108.84
7356	2.96	102.36	108.82
7358	2.99	102.32	108.81
7360	2.95	102.33	108.81
7362	3.00	102.31	108.78
7364	2.97	102.32	108.79
7366	3.01	102.31	108.76
7368	2.97	102.28	108.75
7370	2.97	102.27	108.74
7372	2.97	102.26	108.72
7374	2.98	102.25	108.72
7376	2.98	102.24	108.73
7378	2.96	102.23	108.69
7380	2.92	102.25	108.68
7382	2.94	102.21	108.71
7384	2.93	102.20	108.62
7386	2.97	102.19	108.66
7388	2.95	102.21	108.65
7390	2.92	102.18	108.64
7392	2.95	102.17	108.65
7394	2.94	102.17	108.61
7396	2.96	102.17	108.63
7398	2.96	102.15	108.61
7400	2.98	102.13	108.63
7402	2.95	102.14	108.58
7404	2.93	102.11	108.57
7406	2.98	102.10	108.59
7408	2.97	102.10	108.56
7410	3.00	102.10	108.57

7412	2.98	102.08	108.58
7414	2.99	102.09	108.54
7416	2.96	102.08	108.55
7418	2.97	102.05	108.50
7420	2.97	102.05	108.51
7422	2.97	102.06	108.51
7424	2.97	102.04	108.48
7426	2.98	102.01	108.48
7428	2.94	102.03	108.46
7430	2.96	101.98	108.46
7432	2.97	102.01	108.45
7434	2.97	101.98	108.44
7436	2.97	101.99	108.42
7438	2.94	101.97	108.44
7440	2.94	101.95	108.40
7442	2.92	101.92	108.39
7444	2.97	101.93	108.38
7446	2.97	101.92	108.38
7448	2.95	101.93	108.37
7450	2.94	101.91	108.32
7452	2.94	101.88	108.33
7454	2.93	101.90	108.33
7456	2.92	101.88	108.33
7458	2.97	101.86	108.30
7460	2.94	101.86	108.30
7462	2.98	101.82	108.30
7464	2.97	101.84	108.30
7466	2.94	101.82	108.30
7468	2.96	101.81	108.29
7470	2.96	101.81	108.31
7472	2.93	101.82	108.26
7474	2.97	101.79	108.25
7476	3.00	101.76	108.25
7478	2.96	101.76	108.22
7480	2.94	101.77	108.19
7482	2.95	101.76	108.21
7484	2.94	101.76	108.19
7486	2.97	101.72	108.21
7488	2.97	101.72	108.16
7490	2.96	101.72	108.21
7492	2.95	101.68	108.15
7494	2.93	101.69	108.12
7496	2.96	101.66	108.12
7498	2.93	101.69	108.11
7500	2.96	101.65	108.10
7502	2.96	101.66	108.10
7504	2.97	101.66	108.08

7506	2.93	101.65	108.09
7508	2.96	101.64	108.07
7510	2.95	101.63	108.08
7512	2.95	101.60	108.06
7514	2.96	101.59	108.04
7516	2.92	101.60	108.05
7518	2.96	101.56	108.05
7520	2.94	101.55	108.06
7522	2.98	101.58	108.05
7524	2.94	101.56	108.00
7526	2.96	101.53	107.99
7528	2.93	101.54	108.00
7530	2.95	101.54	107.98
7532	2.97	101.53	107.98
7534	2.98	101.49	107.98
7536	2.95	101.49	107.93
7538	2.96	101.48	107.92
7540	2.97	101.47	107.93
7542	2.94	101.46	107.90
7544	2.94	101.47	107.90
7546	2.96	101.44	107.90
7548	2.95	101.42	107.84
7550	2.92	101.45	107.86
7552	2.94	101.42	107.88
7554	2.94	101.41	107.85
7556	2.92	101.38	107.83
7558	2.95	101.39	107.85
7560	2.94	101.37	107.81
7562	2.93	101.37	107.80
7564	2.95	101.37	107.80
7566	2.93	101.35	107.80
7568	2.95	101.35	107.80
7570	2.97	101.34	107.76
7572	2.98	101.35	107.76
7574	2.97	101.33	107.77
7576	2.94	101.31	107.74
7578	2.98	101.28	107.76
7580	2.97	101.28	107.72
7582	2.95	101.28	107.72
7584	2.96	101.30	107.73
7586	2.98	101.27	107.71
7588	2.93	101.26	107.69
7590	2.98	101.25	107.68
7592	2.98	101.24	107.67
7594	2.95	101.25	107.67
7596	2.94	101.21	107.66
7598	3.01	101.23	107.63

7600	2.98	101.20	107.64
7602	2.97	101.20	107.62
7604	2.96	101.18	107.64
7606	2.99	101.18	107.61
7608	2.94	101.17	107.58
7610	2.96	101.16	107.58
7612	2.95	101.14	107.61
7614	2.93	101.15	107.57
7616	2.97	101.14	107.52
7618	2.96	101.15	107.55
7620	2.97	101.11	107.54
7622	2.96	101.12	107.50
7624	2.95	101.12	107.50
7626	2.94	101.10	107.50
7628	2.92	101.09	107.52
7630	2.96	101.09	107.52
7632	2.98	101.07	107.48
7634	2.95	101.07	107.48
7636	2.96	101.08	107.44
7638	2.97	101.05	107.44
7640	2.96	101.03	107.47
7642	2.97	101.03	107.44
7644	3.00	101.02	107.42
7646	2.98	101.01	107.40
7648	2.96	101.03	107.40
7650	2.97	101.01	107.41
7652	2.96	100.98	107.39
7654	2.96	100.99	107.35
7656	2.96	100.98	107.35
7658	2.97	100.95	107.33
7660	2.97	100.93	107.32
7662	2.98	100.92	107.33
7664	2.98	100.92	107.32
7666	2.95	100.91	107.34
7668	2.96	100.90	107.30
7670	2.98	100.89	107.34
7672	2.95	100.88	107.28
7674	2.97	100.86	107.27
7676	2.97	100.86	107.29
7678	2.93	100.86	107.24
7680	2.94	100.82	107.25
7682	2.95	100.82	107.26
7684	2.91	100.83	107.23
7686	2.93	100.83	107.23
7688	2.96	100.82	107.22
7690	2.93	100.81	107.23
7692	2.97	100.79	107.19

7694	2.95	100.77	107.18
7696	2.98	100.75	107.17
7698	2.94	100.75	107.15
7700	2.96	100.77	107.15
7702	2.96	100.75	107.13
7704	2.94	100.78	107.14
7706	2.93	100.76	107.10
7708	2.95	100.73	107.12
7710	2.97	100.69	107.11
7712	2.95	100.70	107.08
7714	2.96	100.68	107.08
7716	2.92	100.70	107.06
7718	2.95	100.68	107.03
7720	2.96	100.68	107.03
7722	2.94	100.69	107.06
7724	2.95	100.65	107.03
7726	2.97	100.64	107.04
7728	2.97	100.64	107.03
7730	2.98	100.64	107.01
7732	2.94	100.62	106.97
7734	2.98	100.59	106.99
7736	2.96	100.58	107.00
7738	2.96	100.61	106.94
7740	2.98	100.57	106.95
7742	2.94	100.57	106.97
7744	2.97	100.58	106.97
7746	2.95	100.54	106.94
7748	2.98	100.56	106.92
7750	2.98	100.54	106.92
7752	2.98	100.52	106.94
7754	2.97	100.53	106.91
7756	2.96	100.50	106.91
7758	2.98	100.50	106.89
7760	2.96	100.48	106.87
7762	2.94	100.45	106.85
7764	2.94	100.46	106.82
7766	2.95	100.46	106.82
7768	2.95	100.44	106.81
7770	2.95	100.43	106.82
7772	2.94	100.45	106.81
7774	2.94	100.40	106.81
7776	2.93	100.42	106.80
7778	2.98	100.41	106.77
7780	2.95	100.38	106.79
7782	2.97	100.39	106.79
7784	2.94	100.39	106.75
7786	2.97	100.37	106.72

7788	2.97	100.37	106.73
7790	2.97	100.36	106.74
7792	2.97	100.36	106.75
7794	2.97	100.34	106.71
7796	2.91	100.36	106.73
7798	2.97	100.34	106.71
7800	2.92	100.31	106.67
7802	2.97	100.31	106.67
7804	2.96	100.30	106.65
7806	2.95	100.31	106.67
7808	2.94	100.28	106.64
7810	2.97	100.27	106.63
7812	2.97	100.24	106.60
7814	2.95	100.24	106.63
7816	2.97	100.24	106.59
7818	2.95	100.21	106.63
7820	2.92	100.22	106.57
7822	2.96	100.21	106.57
7824	2.94	100.20	106.54
7826	2.93	100.19	106.55
7828	2.93	100.19	106.52
7830	2.95	100.18	106.54
7832	2.95	100.17	106.53
7834	2.94	100.15	106.49
7836	2.98	100.18	106.54
7838	2.94	100.15	106.48
7840	2.94	100.15	106.46
7842	2.95	100.14	106.47
7844	2.97	100.13	106.44
7846	2.93	100.11	106.46
7848	2.93	100.09	106.42
7850	2.94	100.07	106.46
7852	2.95	100.08	106.42
7854	2.97	100.09	106.41
7856	2.97	100.07	106.42
7858	2.93	100.06	106.42
7860	2.96	100.06	106.36
7862	2.97	100.06	106.37
7864	2.96	100.03	106.38
7866	2.95	100.04	106.35
7868	3.00	100.03	106.35
7870	2.95	99.99	106.34
7872	2.97	100.01	106.34
7874	2.97	100.00	106.36
7876	2.96	99.99	106.30
7878	2.99	99.97	106.31
7880	3.00	99.96	106.31

7882	2.99	99.94	106.29
7884	2.96	99.95	106.26
7886	2.97	99.94	106.27
7888	2.96	99.93	106.29
7890	2.95	99.93	106.23
7892	2.98	99.92	106.22
7894	2.95	99.92	106.24
7896	2.98	99.92	106.21
7898	2.99	99.88	106.18
7900	2.96	99.89	106.20
7902	2.95	99.86	106.15
7904	2.95	99.85	106.15
7906	2.98	99.85	106.16
7908	2.98	99.85	106.13
7910	2.97	99.84	106.12
7912	2.99	99.85	106.16
7914	2.96	99.82	106.09
7916	2.98	99.80	106.12
7918	2.96	99.79	106.14
7920	2.97	99.80	106.10
7922	2.96	99.77	106.08
7924	2.96	99.78	106.09
7926	2.94	99.77	106.07
7928	2.95	99.77	106.04
7930	2.94	99.71	106.03
7932	2.95	99.72	106.03
7934	2.97	99.71	106.02
7936	2.96	99.69	106.01
7938	2.96	99.68	106.02
7940	2.97	99.69	105.99
7942	2.95	99.66	106.01
7944	2.97	99.65	105.99
7946	2.99	99.67	105.96
7948	2.94	99.66	105.96
7950	2.98	99.63	105.94
7952	2.95	99.62	105.96
7954	2.99	99.61	105.92
7956	2.96	99.60	105.92
7958	2.98	99.60	105.93
7960	2.98	99.60	105.89
7962	3.00	99.61	105.88
7964	2.96	99.60	105.89
7966	3.00	99.58	105.86
7968	2.97	99.56	105.87
7970	2.95	99.56	105.85
7972	2.98	99.54	105.84
7974	2.96	99.53	105.82

7976	2.96	99.53	105.81
7978	2.98	99.51	105.81
7980	2.95	99.50	105.82
7982	2.95	99.49	105.80
7984	2.96	99.49	105.80
7986	2.96	99.49	105.76
7988	2.95	99.48	105.75
7990	2.98	99.46	105.74
7992	2.94	99.46	105.77
7994	2.97	99.44	105.75
7996	2.94	99.44	105.74
7998	2.96	99.43	105.77
8000	2.97	99.39	105.70
8002	2.96	99.45	105.70
8004	2.96	99.41	105.71
8006	2.96	99.37	105.70
8008	2.96	99.36	105.66
8010	2.96	99.37	105.66
8012	2.94	99.37	105.66
8014	2.95	99.36	105.66
8016	2.92	99.35	105.64
8018	2.96	99.34	105.62
8020	2.96	99.32	105.62
8022	2.95	99.31	105.61
8024	2.99	99.30	105.61
8026	2.95	99.32	105.58
8028	2.95	99.35	105.58
8030	2.97	99.41	105.56
8032	2.96	99.55	105.59
8034	2.94	99.58	105.55
8036	2.96	99.64	105.56
8038	2.96	99.63	105.56
8040	2.97	99.66	105.57
8042	2.96	99.71	105.56
8044	2.96	99.79	105.55
8046	2.95	99.87	105.54
8048	2.95	99.90	105.55
8050	2.96	99.96	105.55
8052	2.98	99.97	105.56
8054	2.97	100.00	105.55
8056	2.94	100.08	105.56
8058	2.97	100.18	105.57
8060	2.99	100.31	105.60
8062	2.94	100.40	105.56
8064	2.94	100.52	105.55
8066	2.93	100.68	105.62
8068	2.94	100.80	105.64

8070	2.96	100.93	105.66
8072	2.94	101.07	105.73
8074	2.94	101.21	105.73
8076	2.94	101.35	105.77
8078	2.96	101.50	105.81
8080	2.93	101.70	105.81
8082	2.96	101.86	105.90
8084	2.96	102.08	105.94
8086	2.95	102.23	106.01
8088	2.92	102.37	106.04
8090	2.97	102.52	106.10
8092	2.97	102.64	106.19
8094	2.96	102.80	106.19
8096	2.94	102.89	106.26
8098	2.96	103.04	106.40
8100	2.99	103.13	106.48
8102	2.97	103.25	106.47
8104	2.96	103.39	106.55
8106	2.99	103.48	106.63
8108	2.98	103.60	106.70
8110	3.00	103.76	106.75
8112	3.00	103.87	106.81
8114	2.97	103.96	106.91
8116	2.97	104.11	107.00
8118	2.95	104.22	107.08
8120	2.96	104.33	107.12
8122	2.97	104.41	107.21
8124	2.94	104.54	107.29
8126	2.93	104.67	107.39
8128	2.96	104.75	107.46
8130	2.94	104.88	107.53
8132	2.94	104.99	107.62
8134	2.94	105.08	107.69
8136	2.92	105.18	107.79
8138	2.97	105.31	107.88
8140	2.95	105.42	107.98
8142	2.94	105.53	108.06
8144	2.92	105.63	108.13
8146	2.95	105.72	108.22
8148	2.96	105.83	108.31
8150	2.93	105.97	108.39
8152	2.97	106.06	108.45
8154	2.97	106.18	108.54
8156	2.94	106.30	108.64
8158	2.96	106.39	108.71
8160	2.98	106.50	108.83
8162	2.94	106.61	108.90

8164	2.95	106.72	108.99
8166	2.94	106.82	109.10
8168	2.94	106.94	109.18
8170	2.93	107.02	109.26
8172	2.90	107.12	109.36
8174	2.95	107.23	109.44
8176	2.93	107.36	109.56
8178	2.97	107.18	109.65
8180	2.93	106.92	109.73
8182	2.92	106.53	109.80
8184	2.99	106.14	109.86
8186	2.94	105.66	109.90
8188	2.94	105.27	109.94
8190	2.96	104.84	109.98
8192	2.99	104.41	109.99
8194	2.97	104.04	109.98
8196	2.94	103.68	109.97
8198	2.95	103.36	110.01
8200	2.95	103.10	109.97
8202	2.96	102.87	109.92
8204	2.94	102.72	109.90
8206	2.95	102.59	109.87
8208	2.97	102.52	109.84
8210	2.97	102.46	109.80
8212	2.97	102.40	109.74
8214	2.96	102.37	109.74
8216	2.96	102.31	109.71
8218	2.96	102.32	109.66
8220	2.96	102.24	109.63
8222	2.97	102.24	109.61
8224	2.95	102.23	109.56
8226	2.97	102.19	109.57
8228	2.95	102.18	109.52
8230	2.98	102.17	109.47
8232	2.97	102.15	109.47
8234	2.95	102.12	109.42
8236	2.95	102.12	109.37
8238	2.96	102.09	109.35
8240	2.95	102.08	109.33
8242	2.97	102.05	109.28

**STRADDLE PACKER TESTING FIELD INFORMATION**

WELL:	MW-85	INTERVAL:	135	150
PROJECT:	GES - Bishop Tube	CLIENT:	GES	
PERSONNEL:	RC, DD	DATE:	3/31/2026 W.O.#: FS1604	

SETTING DEPTHS		DATA COLLECTION CALIBRATION					Initial Pipe Tally:		20	
Pump Location:	127.85	Configuration Filename:					x			
Upper Packer - Top:	131.7	Current V = static water level (ft)					Pipes That Remain on Truck:			14
Upper Packer - Bottom:	135	Open Air V = transducer depth (ft)								
Water Intake:	147.9	CHANNEL 1 (Top)		CHANNEL 2 (Middle)		CHANNEL 3 (Lower)				
Lower Packer - Top:	150	7.66722E-03	V=	3.00	1.01503E-02	V=	3.00	1.01843E-02	V=	3.00
Lower Packer - Bottom:	153.3	4.7742E-03	V=	125.85	5.2166E-03	V=	143.00	5.1684E-03	V=	155.10
Assembly Bottom:	155.1	Additional Calibration Notes								
PACKER INFLATION (psi)										
TOP	BOTTOM									
Minimum Required	Minimum Required									
201	208									
Actual PSI Used										
220	220	WATER LEVELS (ft)								
TEST SEQUENCE		Open Hole Static Water Level:					3.00			
Begin Logging	14:53									
Start Inflation	14:55									
Begin Pumping	x									
End Pumping	x									
End Logging	15:20									
PUMPING RECORD										
Pumping Interval:	135									
Pumping Rate:	0.5 gal/min									
Pumping Duration:	#VALUE!									
Maximum Drawdown:	#VALUE!									
Zone Volume	22									
Volume Purged	x									
Nature of Discharge:	x									
Recovery Time	#VALUE!									
Percentage Recovery	#VALUE!									
RATE ADJUSTMENTS										
SUMMARY										
This sheet includes data for the slug test ONLY. There was slight interconnection between the middle and bottom zones.										

Packer Dimensions	
SPREAD	15 ft
A- Top of Packer to Top of Bladder	3.85 ft
B- Length of Bladder	3.3 ft
C- Bottom of Bladder to Bottom of Packer	3.1 ft
D- Pipe Spread	5.3 ft
Length of Slotted Piece and L-Zap	4.5 ft
E- Top of Packer to Top of Bladder	2.1 ft
F- Length of Bladder	3.3 ft
H- Bottom of Bladder to Bottom of Packer	1.8 ft
Total Length of Top Packer	10.25 ft
Total Length of Bottom Packer	7.2 ft
Total Assembly Length	27.25 ft

Transducer Locations	
Top	2 (Distance Above Upper Packer Top)
Middle	8 (Distance Below Upper Packer Bottom)
Bottom	0 (If Different from Bottom of Assembly)

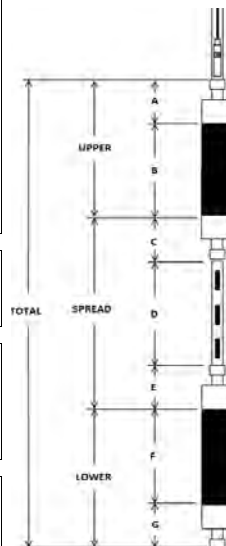
Important Dimensions	
Pipe Lengths	21 ft
Pipe diameter	2.00 in
Upper packer diameter	3.5 in
Lower packer diameter	3.5 in
Well diameter	6 in

Inflation Numbers	
Stretch PSI-Upper	125 PSI
Stretch PSI-Lower	125 PSI
Top Packer Inflation	201 PSI
Bottom Packer Inflation	208 PSI

Pipe Tally	
Stickup	3.2 ft
Point A	127.9 ft
Total Length of Pipe	131.0 ft
No. of Full-Length Pipes	6 pipes
Feet of Odds	5.0 ft

Pump Time	
Number of Volumes To Purge	3 Volumes
Zone Volume	22 gallons
GPM	0.5 gal/min
Run time	132 minutes

Transducer Serial Number	
Top	
Middle	
Bottom	



		PACKER DIAMETER						
		1.8	2.7	3.5	4.0	4.5	5.5	7.3
BOREHOLE DIAMETER	2.25	15						
	2.5	25						
	3	40	25					
	3.5	80	35					
	3.75		44					
	4		50	25				
	4.5		90	40	25			
	5		130	50	30			
	5.5			75	37.5	25		
	6			125	45	30	20	
	6.25			300	55	33	21	
	6.5				65	35	23	
	7				75	44	25	
	7.5				120	59	28	
	8					73	30	100
	8.5					116	45	140
	9						40	180
	9.5						60	275
	10						80	370
	10.5							100

Column1	Column2	Column3	Column4
DASYLab 2016 - 2016			
Worksheet name: MW-85 Zone 2 (135-150) SLUG			
Recording date : 3/31/2026		2:53:35 PM	
Block length : 1			
Delta : 2 sec.			
Number of channels : 3			
Measurement time[s]	Upper Zone [ft]	Pumping Zone [ft]	Lower Zone [ft]
1	2.94	3.27	3.05
3	2.99	3.26	3.03
5	2.96	3.22	2.99
7	2.94	3.24	3.03
9	2.94	3.24	3.02
11	2.94	3.25	3.01
13	2.97	3.26	3.03
15	2.97	3.25	3.01
17	2.96	3.24	3.02
19	2.96	3.26	3.02
21	2.98	3.28	3.05
23	2.98	3.27	3.04
25	3.00	3.29	3.07
27	3.01	3.29	3.06
29	2.99	3.30	3.04
31	3.05	3.32	3.07
33	3.03	3.32	3.05
35	3.04	3.34	3.10
37	3.09	3.37	3.11
39	3.02	3.36	3.06
41	3.08	3.35	3.09
43	3.08	3.35	3.10
45	3.06	3.35	3.07
47	3.06	3.31	3.09
49	3.01	3.31	3.08
51	3.00	3.32	3.04
53	3.01	3.32	3.05
55	3.00	3.33	3.02
57	2.98	3.30	3.02
59	2.98	3.34	3.05
61	2.98	3.32	2.98
63	2.93	3.32	2.99
65	2.98	3.32	3.01
67	2.97	3.34	3.00
69	2.96	3.31	3.01
71	2.99	3.37	3.04
73	2.97	3.37	3.04
75	2.97	3.39	3.00
77	3.01	3.42	3.07

79	3.04	3.43	3.05
81	3.03	3.42	3.04
83	3.03	3.39	3.08
85	3.04	3.38	3.11
87	3.06	3.43	3.08
89	3.06	3.46	3.08
91	3.03	3.45	3.09
93	3.04	3.44	3.09
95	3.05	3.44	3.09
97	2.98	3.37	3.01
99	2.95	3.39	3.03
101	3.12	3.56	3.24
103	2.88	3.32	2.95
105	2.89	3.31	2.94
107	2.80	3.28	2.89
109	2.82	3.24	2.82
111	2.79	3.23	2.78
113	2.75	3.20	2.77
115	2.67	3.13	2.67
117	2.66	3.07	2.66
119	2.61	3.01	2.55
121	2.48	2.95	2.49
123	2.48	2.92	2.47
125	2.40	2.89	2.41
127	2.37	2.85	2.37
129	2.35	2.83	2.34
131	2.35	2.84	2.34
133	2.32	2.80	2.28
135	2.31	2.81	2.29
137	2.34	2.79	2.29
139	2.28	2.78	2.25
141	2.31	2.78	2.25
143	2.24	2.72	2.20
145	2.21	2.70	2.16
147	2.20	2.72	2.16
149	2.12	2.65	2.08
151	2.07	2.61	2.05
153	2.08	2.62	2.01
155	2.05	2.58	0.92
157	2.02	2.56	-0.89
159	2.07	2.59	-2.15
161	2.06	2.58	-2.07
163	2.05	2.59	-1.13
165	2.12	2.63	-1.76
167	2.08	2.62	-4.63
169	2.06	2.62	-8.20
171	2.08	2.61	-12.03

173	2.03	2.58	-15.50
175	2.01	2.58	-17.75
177	2.03	2.59	-18.00
179	2.00	2.52	-16.87
181	2.04	2.56	-15.87
183	2.08	2.63	-16.76
185	2.06	2.63	-18.89
187	2.12	2.67	-21.18
189	2.13	2.67	-22.60
191	2.10	2.66	-22.52
193	2.11	2.68	-21.26
195	2.12	2.68	-19.41
197	2.08	2.66	-17.54
199	2.07	2.67	-15.77
201	2.09	2.67	-14.13
203	1.78	2.29	-12.71
205	2.78	3.33	-11.41
207	2.03	2.62	-10.26
209	1.93	2.55	-9.12
211	1.89	2.50	-8.05
213	1.85	2.45	-7.14
215	1.78	2.41	-6.35
217	1.76	2.37	-5.57
219	1.70	2.31	-4.91
221	1.67	2.25	-4.32
223	1.62	2.23	-3.78
225	1.63	2.16	-3.27
227	1.53	2.11	-2.88
229	1.45	2.07	-2.47
231	1.45	2.03	-2.06
233	1.38	1.96	-1.71
235	1.35	1.94	-1.31
237	1.33	1.88	-0.88
239	1.26	1.89	-0.44
241	1.25	1.85	0.02
243	1.23	1.83	0.14
245	1.21	1.78	0.16
247	1.25	1.80	0.20
249	1.24	1.70	0.04
251	1.17	1.72	-1.08
253	1.19	1.72	-1.82
255	1.22	1.68	-2.12
257	1.18	1.67	-2.10
259	1.20	1.68	-2.01
261	1.21	1.64	-2.18
263	1.18	1.62	-2.50
265	1.23	1.65	-2.74

267	1.23	1.65	-2.87
269	1.25	1.63	-2.96
271	1.24	1.68	-2.82
273	1.26	1.65	-2.56
275	1.25	1.63	-2.26
277	1.25	1.68	-2.03
279	1.28	1.59	-1.92
281	1.28	1.65	-1.85
283	1.28	1.63	-1.64
285	1.32	1.62	-1.25
287	1.29	1.65	-0.88
289	1.29	1.62	-0.60
291	1.30	1.64	-0.33
293	1.32	1.65	-0.09
295	1.29	1.63	0.09
297	1.28	1.65	0.20
299	1.33	1.63	0.32
301	1.31	1.64	0.39
303	1.26	1.63	0.44
305	1.27	1.65	0.53
307	1.30	1.66	0.57
309	1.30	1.62	0.57
311	1.30	1.63	0.63
313	1.28	1.64	0.65
315	1.29	1.60	0.66
317	1.35	1.65	0.68
319	1.37	1.67	-0.19
321	1.36	1.67	-0.65
323	1.39	1.68	-0.23
325	1.40	1.69	0.03
327	1.39	1.73	0.26
329	1.44	1.72	0.44
331	1.44	1.74	0.55
333	1.44	1.72	0.62
335	1.49	1.76	0.72
337	1.44	1.72	0.72
339	1.47	1.74	0.79
341	1.49	1.78	0.81
343	1.48	1.76	0.85
345	1.51	1.77	0.83
347	1.48	1.79	0.89
349	1.48	1.77	0.91
351	1.51	1.77	0.92
353	1.53	1.80	0.94
355	1.50	1.78	0.91
357	1.55	1.82	0.94
359	1.54	1.80	0.98

361	1.52	1.80	0.97
363	1.53	1.83	1.00
365	1.54	1.80	0.97
367	1.54	1.77	0.97
369	1.55	1.82	0.99
371	1.54	1.81	0.98
373	1.52	1.82	0.99
375	1.55	1.84	1.03
377	1.56	1.85	1.01
379	1.55	1.81	0.99
381	1.56	1.83	1.05
383	1.58	1.81	1.03
385	1.50	1.81	1.01
387	1.53	1.85	1.05
389	1.55	1.84	1.02
391	1.54	1.83	1.03
393	1.59	1.85	1.08
395	1.55	1.86	1.09
397	1.55	1.83	1.06
399	1.58	1.89	1.09
401	1.59	1.86	1.12
403	1.56	1.88	1.06
405	1.60	1.91	1.11
407	1.58	1.90	1.11
409	1.59	1.90	1.11
411	1.66	1.92	1.15
413	1.62	1.91	1.15
415	1.61	1.93	1.13
417	1.67	1.94	1.16
419	1.67	1.93	1.20
421	1.66	1.92	1.17
423	1.71	1.94	1.18
425	1.69	1.95	1.20
427	1.68	1.96	1.19
429	1.67	1.92	1.19
431	1.70	1.97	1.19
433	1.67	1.95	1.18
435	1.69	1.94	1.18
437	1.71	1.96	1.21
439	1.71	1.99	1.21
441	1.69	1.97	1.22
443	1.75	1.99	1.23
445	1.71	2.00	1.21
447	1.72	2.00	1.26
449	1.77	2.01	1.26
451	1.75	2.01	1.27
453	1.74	2.02	1.26

455	1.74	2.02	1.27
457	1.71	2.01	1.28
459	1.69	1.99	1.25
461	1.72	1.99	1.23
463	1.75	2.01	1.26
465	1.65	2.00	1.26
467	1.69	1.99	1.25
469	1.69	1.98	1.26
471	1.69	2.01	1.26
473	1.71	2.04	1.30
475	1.74	2.04	1.29
477	1.75	2.06	1.30
479	1.78	2.06	1.35
481	1.84	2.07	1.34
483	1.79	2.07	1.35
485	1.81	2.09	1.36
487	1.83	2.12	1.35
489	1.79	2.11	1.36
491	1.83	2.13	1.36
493	1.80	2.11	1.35
495	1.77	2.09	1.33
497	1.78	2.07	1.36
499	1.78	2.10	1.34
501	1.77	2.08	1.30
503	1.77	2.10	1.33
505	1.75	2.09	1.36
507	1.76	2.07	1.32
509	1.77	2.09	1.35
511	1.79	2.10	1.35
513	1.83	2.13	1.34
515	1.84	2.14	1.39
517	1.80	2.14	1.36
519	1.85	2.15	1.39
521	1.88	2.15	1.41
523	1.90	2.19	1.43
525	1.91	2.21	1.46
527	1.91	2.19	1.45
529	1.92	2.19	1.45
531	1.91	2.23	1.48
533	1.92	2.22	1.49
535	1.90	2.23	1.45
537	1.92	2.22	1.49
539	1.90	2.23	1.46
541	1.87	2.21	1.46
543	1.93	2.25	1.47
545	1.89	2.21	1.46
547	1.88	2.21	1.43

549	1.89	2.21	1.46
551	1.87	2.20	1.46
553	1.84	2.19	1.43
555	1.88	2.24	1.47
557	1.85	2.23	1.44
559	1.85	2.20	1.45
561	1.90	2.26	1.45
563	1.89	2.21	1.45
565	1.90	2.26	1.52
567	1.91	2.28	1.51
569	1.93	2.28	1.53
571	1.98	2.26	1.54
573	1.98	2.34	1.55
575	1.94	2.31	1.56
577	1.99	2.31	1.56
579	1.99	2.33	1.57
581	2.00	2.33	1.56
583	2.01	2.36	1.56
585	2.01	2.35	1.58
587	1.98	2.34	1.61
589	1.99	2.34	1.57
591	2.04	2.37	1.56
593	2.02	2.36	1.55
595	2.01	2.37	1.54
597	2.04	2.38	1.55
599	2.02	2.37	1.56
601	2.03	2.35	1.54
603	2.06	2.39	1.55
605	2.03	2.36	1.56
607	2.03	2.38	1.55
609	2.00	2.36	1.51
611	2.03	2.38	1.54
613	2.03	2.36	1.55
615	2.02	2.38	1.54
617	2.01	2.37	1.54
619	2.04	2.41	1.60
621	2.03	2.37	1.55
623	2.05	2.39	1.55
625	2.03	2.43	1.60
627	2.03	2.43	1.57
629	2.05	2.40	1.60
631	2.08	2.44	1.60
633	2.06	2.42	1.60
635	2.07	2.44	1.62
637	2.09	2.48	1.62
639	2.10	2.45	1.64
641	2.10	2.47	1.65

643	2.08	2.46	1.62
645	2.09	2.47	1.64
647	2.09	2.46	1.65
649	2.07	2.43	1.61
651	2.05	2.43	1.63
653	2.10	2.45	1.62
655	1.99	2.42	1.61
657	2.04	2.42	1.63
659	2.04	2.46	1.64
661	2.02	2.46	1.62
663	2.08	2.45	1.65
665	2.08	2.49	1.69
667	2.06	2.46	1.67
669	2.09	2.51	1.71
671	2.12	2.53	1.74
673	2.09	2.50	1.72
675	2.16	2.53	1.74
677	2.14	2.54	1.75
679	2.18	2.56	1.77
681	2.19	2.57	1.80
683	2.14	2.57	1.78
685	2.14	2.56	1.79
687	2.15	2.55	1.81
689	2.12	2.52	1.73
691	2.10	2.52	1.76
693	2.10	2.52	1.75
695	2.07	2.50	1.72
697	2.12	2.51	1.78
699	2.07	2.53	1.74
701	2.11	2.55	1.77
703	2.12	2.57	1.77
705	2.14	2.58	1.80
707	2.14	2.58	1.85
709	2.19	2.61	1.84
711	2.19	2.60	1.86
713	2.19	2.64	1.87
715	2.19	2.63	1.87
717	2.21	2.63	1.83
719	2.24	2.66	1.89
721	2.22	2.63	1.89
723	2.17	2.64	1.83
725	2.20	2.62	1.91
727	2.21	2.65	1.89
729	2.18	2.08	1.81
731	2.16	-0.87	1.23
733	2.20	-1.51	0.51
735	2.11	-0.50	0.02

737	2.13	-0.62	-0.20
739	2.17	-0.42	-0.41
741	2.11	-0.38	-0.55
743	2.14	-0.30	-0.71
745	2.15	-0.27	-0.77
747	2.13	0.06	-0.85
749	2.12	-0.27	-0.96
751	2.16	-0.26	-0.96
753	2.14	-0.20	-0.98
755	2.16	-0.18	-1.02
757	2.18	-0.16	-1.01
759	2.15	-0.12	-1.01
761	2.18	-0.08	-0.99
763	2.22	-0.02	-1.02
765	2.17	-0.00	-0.97
767	2.23	0.02	-0.99
769	2.20	0.05	-0.98
771	2.18	0.11	-0.94
773	2.21	0.13	-0.90
775	2.20	0.13	-0.91
777	2.22	0.17	-0.85
779	2.18	0.19	-0.87
781	2.22	0.20	-0.83
783	2.24	0.24	-0.77
785	2.22	0.25	-0.77
787	2.23	0.30	-0.74
789	2.21	0.32	-0.70
791	2.19	0.32	-0.69
793	2.21	0.37	-0.64
795	2.21	0.40	-0.64
797	2.21	0.38	-0.60
799	2.22	0.46	-0.57
801	2.23	0.46	-0.55
803	2.28	0.49	-0.53
805	2.27	0.53	-0.51
807	2.27	0.54	-0.46
809	2.28	0.56	-0.43
811	2.26	0.55	-0.44
813	2.24	0.59	-0.45
815	2.28	0.60	-0.42
817	2.26	0.62	-0.38
819	2.23	0.64	-0.36
821	2.21	0.65	-0.33
823	2.19	0.62	-0.38
825	2.18	0.68	-0.30
827	2.22	0.70	-0.30
829	2.19	0.72	-0.31

831	2.17	0.70	-0.27
833	2.18	0.72	-0.29
835	2.18	0.76	-0.23
837	2.21	0.78	-0.20
839	2.19	0.79	-0.19
841	2.21	0.81	-0.14
843	2.16	0.83	-0.16
845	2.17	0.85	-0.12
847	2.22	0.90	-0.07
849	2.23	0.90	-0.08
851	2.23	0.95	-0.01
853	2.27	0.95	0.02
855	2.26	0.95	-0.00
857	2.26	1.01	0.06
859	2.30	1.03	0.06
861	2.31	1.04	0.10
863	2.33	1.07	0.13
865	2.26	1.05	0.11
867	2.31	1.09	0.13
869	2.32	1.10	0.18
871	2.29	1.11	0.17
873	2.34	1.14	0.21
875	2.25	1.11	0.19
877	2.27	1.12	0.17
879	2.22	1.14	0.23
881	2.26	1.14	0.22
883	2.21	1.17	0.19
885	2.25	1.17	0.22
887	2.23	1.19	0.28
889	2.20	1.20	0.26
891	2.21	1.22	0.28
893	2.29	1.27	0.32
895	2.28	1.26	0.34
897	2.30	1.29	0.35
899	2.30	1.33	0.40
901	2.29	1.32	0.42
903	2.30	1.36	0.43
905	2.36	1.38	0.48
907	2.32	1.39	0.47
909	2.34	1.38	0.48
911	2.40	1.40	0.52
913	2.32	1.41	0.51
915	2.32	1.42	0.52
917	2.34	1.45	0.55
919	2.34	1.45	0.56
921	2.29	1.46	0.54
923	2.27	1.47	0.55

925	2.31	1.45	0.55
927	2.27	1.45	0.56
929	2.29	1.48	0.57
931	2.30	1.48	0.58
933	2.24	1.49	0.59
935	2.28	1.51	0.60
937	2.25	1.51	0.65
939	2.25	1.50	0.64
941	2.30	1.54	0.64
943	2.31	1.55	0.69
945	2.28	1.56	0.65
947	2.29	1.59	0.71
949	2.33	1.60	0.74
951	2.28	1.60	0.73
953	2.40	1.64	0.81
955	2.35	1.68	0.81
957	2.36	1.66	0.78
959	2.38	1.70	0.83
961	2.37	1.71	0.81
963	2.38	1.71	0.88
965	2.41	1.73	0.91
967	2.35	1.71	0.87
969	2.35	1.74	0.86
971	2.39	1.76	0.91
973	2.34	1.71	0.90
975	2.28	1.71	0.88
977	2.33	1.74	0.88
979	2.34	1.75	0.91
981	2.30	1.74	0.92
983	2.32	1.75	0.94
985	2.28	1.78	0.90
987	2.31	1.77	0.95
989	2.33	1.80	0.96
991	2.34	1.81	1.03
993	2.33	1.80	0.98
995	2.37	1.85	1.03
997	2.38	1.87	1.05
999	2.41	1.89	1.08
1001	2.45	1.94	1.08
1003	2.45	1.88	1.10
1005	2.42	1.92	1.12
1007	2.44	1.92	1.15
1009	2.41	1.93	1.13
1011	2.43	1.94	1.15
1013	2.42	1.94	1.15
1015	2.41	1.95	1.17
1017	2.43	2.00	1.15

1019	2.40	1.94	1.15
1021	2.40	1.97	1.17
1023	2.42	2.00	1.17
1025	2.41	1.97	1.16
1027	2.42	2.01	1.21
1029	2.40	2.00	1.21
1031	2.39	1.99	1.19
1033	2.39	2.01	1.21
1035	2.41	2.02	1.24
1037	2.36	2.00	1.19
1039	2.38	2.01	1.22
1041	2.40	2.03	1.22
1043	2.34	1.99	1.19
1045	2.39	2.06	1.24
1047	2.33	2.06	1.24
1049	2.35	2.05	1.25
1051	2.38	2.06	1.26
1053	2.34	2.06	1.25
1055	2.37	2.04	1.25
1057	2.38	2.06	1.29
1059	2.37	2.09	1.29
1061	2.40	2.06	1.27
1063	2.40	2.09	1.30
1065	2.35	2.08	1.31
1067	2.36	2.11	1.31
1069	2.40	2.12	1.35
1071	2.40	2.12	1.36
1073	2.37	2.12	1.32
1075	2.43	2.15	1.35
1077	2.39	2.15	1.35
1079	2.39	2.15	1.37
1081	2.39	2.18	1.42
1083	2.41	2.18	1.38
1085	2.38	2.17	1.37
1087	2.45	2.20	1.42
1089	2.37	2.21	1.43
1091	2.42	2.23	1.43
1093	2.45	2.24	1.43
1095	2.46	2.24	1.45
1097	2.45	2.24	1.48
1099	2.46	2.26	1.50
1101	2.45	2.25	1.49
1103	2.46	2.28	1.52
1105	2.49	2.30	1.50
1107	2.50	2.30	1.53
1109	2.46	2.29	1.53
1111	2.45	2.33	1.55

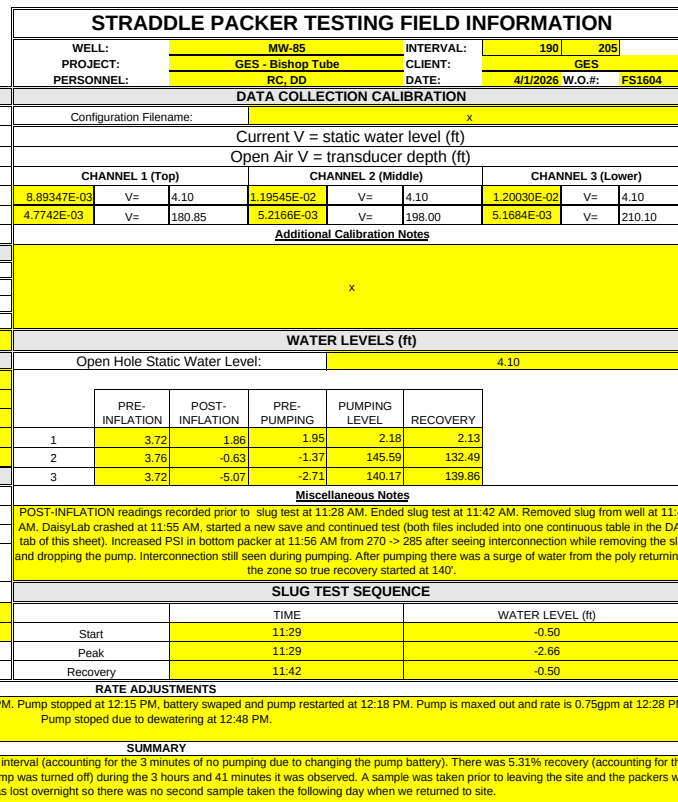
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1117	2.50	2.32	1.55
1119	2.50	2.34	1.57
1121	2.48	2.32	1.56
1123	2.49	2.35	1.61
1125	2.46	2.34	1.61
1127	2.49	2.33	1.59
1129	2.49	2.35	1.58
1131	2.50	2.38	1.60
1133	2.47	2.35	1.61
1135	2.49	2.40	1.65
1137	2.49	2.39	1.63
1139	2.49	2.39	1.60
1141	2.51	2.37	1.64
1143	2.49	2.38	1.64
1145	2.49	2.40	1.65
1147	2.51	2.42	1.66
1149	2.48	2.39	1.67
1151	2.51	2.41	1.68
1153	2.49	2.42	1.67
1155	2.51	2.41	1.69
1157	2.54	2.43	1.71
1159	2.53	2.45	1.73
1161	2.50	2.45	1.69
1163	2.54	2.45	1.70
1165	2.54	2.45	1.71
1167	2.53	2.47	1.71
1169	2.54	2.48	1.73
1171	2.51	2.47	1.72
1173	2.50	2.47	1.75
1175	2.54	2.52	1.76
1177	2.53	2.52	1.76
1179	2.57	2.51	1.81
1181	2.55	2.52	1.80
1183	2.52	2.52	1.77
1185	2.57	2.53	1.82
1187	2.56	2.52	1.81
1189	2.54	2.53	1.79
1191	2.55	2.56	1.81
1193	2.52	2.50	1.80
1195	2.49	2.50	1.75
1197	2.52	2.53	1.79
1199	2.48	2.51	1.77
1201	2.51	2.52	1.79
1203	2.50	2.51	1.78
1205	2.48	2.51	1.78

1207	2.53	2.57	1.78
1209	2.53	2.55	1.86
1211	2.55	2.58	1.86
1213	2.54	2.61	1.90
1215	2.55	2.60	1.88
1217	2.57	2.62	1.87
1219	2.59	2.63	1.88
1221	2.58	2.58	1.89
1223	2.56	2.59	1.92
1225	2.53	2.58	1.86
1227	2.51	2.56	1.87
1229	2.50	2.59	1.87
1231	2.51	2.57	1.91
1233	2.50	2.60	1.84
1235	2.51	2.58	1.90
1237	2.53	2.62	1.92
1239	2.52	2.61	1.90
1241	2.54	2.65	1.93
1243	2.57	2.66	1.97
1245	2.59	2.66	1.97
1247	2.59	2.66	1.95
1249	2.62	2.71	2.00
1251	2.57	2.66	1.97
1253	2.62	2.69	1.99
1255	2.58	2.67	1.97
1257	2.54	2.68	1.98
1259	2.57	2.68	1.97
1261	2.54	2.65	1.97
1263	2.53	2.67	1.93
1265	2.55	2.69	1.98
1267	2.54	2.65	1.94
1269	2.52	2.66	1.95
1271	2.50	2.65	1.94
1273	2.53	2.65	1.94
1275	2.53	2.67	1.98
1277	2.53	2.68	1.97
1279	2.55	2.69	2.00
1281	2.57	2.70	2.01
1283	2.55	2.70	2.02
1285	2.61	2.75	2.03
1287	2.57	2.74	2.06
1289	2.60	2.72	2.05
1291	2.63	2.78	2.08
1293	2.62	2.76	2.07
1295	2.63	2.74	2.04
1297	2.59	2.77	2.07
1299	2.59	2.77	2.07

1301	2.60	2.75	2.05
1303	2.57	2.75	2.03
1305	2.59	2.75	2.03
1307	2.58	2.75	2.05
1309	2.56	2.73	2.07
1311	2.59	2.79	2.09
1313	2.58	2.75	2.07
1315	2.57	2.74	2.05
1317	2.58	2.78	2.08
1319	2.56	2.75	2.09
1321	2.56	2.75	2.06
1323	2.57	2.76	2.07
1325	2.57	2.78	2.11
1327	2.55	2.78	2.08
1329	2.60	2.76	2.08
1331	2.56	2.79	2.09
1333	2.56	2.76	2.08
1335	2.59	2.76	2.15
1337	2.67	2.82	2.12
1339	2.63	2.83	2.12
1341	2.65	2.84	2.18
1343	2.64	2.86	2.15
1345	2.66	2.82	2.15
1347	2.66	2.86	2.17
1349	2.70	2.88	2.19
1351	2.65	2.87	2.16
1353	2.69	2.87	2.21
1355	2.69	2.86	2.18
1357	2.65	2.86	2.18
1359	2.67	2.85	2.21
1361	2.65	2.89	2.20
1363	2.65	2.87	2.20
1365	2.67	2.88	2.20
1367	2.66	2.87	2.19
1369	2.65	2.86	2.18
1371	2.64	2.88	2.21
1373	2.63	2.84	2.17
1375	2.64	2.86	2.21
1377	2.60	2.85	2.19
1379	2.61	2.86	2.17
1381	2.62	2.87	2.22
1383	2.60	2.88	2.21
1385	2.58	2.86	2.19
1387	2.62	2.87	2.21
1389	2.58	2.85	2.19
1391	2.61	2.89	2.18
1393	2.66	2.88	2.23

1395	2.60	2.86	2.19
1397	2.60	2.86	2.21
1399	2.66	2.86	2.23
1401	2.59	2.88	2.23
1403	2.65	2.90	2.24
1405	2.61	2.81	2.22
1407	2.64	4.40	2.24
1409	2.69	5.35	2.69
1411	2.67	6.28	3.41
1413	2.69	6.10	4.05
1415	2.68	6.09	4.51
1417	2.68	6.08	4.80
1419	2.67	6.06	5.00
1421	2.67	6.04	5.17
1423	2.66	6.04	5.25
1425	2.69	6.01	5.29
1427	2.69	6.01	5.37
1429	2.69	5.99	5.41
1431	2.64	6.00	5.42
1433	2.68	5.99	5.48
1435	2.64	5.96	5.45
1437	2.64	5.97	5.49
1439	2.66	5.95	5.47
1441	2.64	5.93	5.48
1443	2.66	5.95	5.51
1445	2.64	5.94	5.47
1447	2.65	5.90	5.47
1449	2.69	5.95	5.50
1451	2.67	5.92	5.49
1453	2.63	5.92	5.47
1455	2.69	5.92	5.47
1457	2.67	5.89	5.47
1459	2.66	5.88	5.46
1461	2.69	5.90	5.48
1463	2.69	5.90	5.45
1465	2.67	5.89	5.45
1467	2.69	5.88	5.47
1469	2.67	5.88	5.44
1471	2.64	5.86	5.43
1473	2.67	5.87	5.46
1475	2.64	5.84	5.41
1477	2.68	5.84	5.41
1479	2.67	5.84	5.44
1481	2.67	5.84	5.40
1483	2.65	5.83	5.40
1485	2.68	5.85	5.42
1487	2.68	5.82	5.41

1489	2.68	5.82	5.38
1491	2.70	5.86	5.40
1493	2.68	5.83	5.36
1495	2.66	5.80	5.39
1497	2.71	5.84	5.39
1499	2.67	5.81	5.39
1501	2.68	5.83	5.38
1503	2.72	5.82	5.40
1505	2.69	5.81	5.38
1507	2.66	5.79	5.35
1509	2.69	5.78	5.38
1511	2.69	5.80	5.37
1513	2.68	5.80	5.36
1515	2.72	5.78	5.35
1517	2.71	5.28	5.46
1519	2.66	5.87	5.52
1521	2.76	5.78	5.47
1523	2.75	5.76	5.46
1525	2.68	5.75	5.41
1527	2.73	5.75	5.39
1529	2.71	5.72	5.38
1531	2.71	5.75	5.34
1533	2.73	5.73	5.35
1535	2.78	5.74	5.36
1537	2.77	5.77	5.37
1539	2.78	5.77	5.34
1541	2.80	5.77	5.38
1543	2.80	5.75	5.35
1545	2.81	5.75	5.34
1547	2.83	5.76	5.37
1549	2.82	5.77	5.35
1551	2.82	5.73	5.32
1553	2.81	5.75	5.32
1555	2.82	5.73	5.33
1557	2.78	5.71	5.30
1559	2.75	5.67	5.26
1561	2.78	5.69	5.26
1563	2.76	5.70	5.33
1565	2.76	5.65	5.52
1567	2.75	5.65	5.57
1569	2.75	5.70	5.61
1571	2.73	5.63	5.60
1573	2.79	5.67	5.67



Packer Dimensions	
SPREAD	15 ft
A- Top of Packer to Top of Bladder	3.85 ft
B- Length of Bladder	3.3 ft
C- Bottom of Bladder to Bottom of Packer	3.1 ft
D- Pipe Spread	5.3 ft
Length of Slotted Piece and L-Zap	4.5 ft
E- Top of Packer to Top of Bladder	2.1 ft
F- Length of Bladder	3.3 ft
H- Bottom of Bladder to Bottom of Packer	1.8 ft
Total Length of Top Packer	10.25 ft
Total Length of Bottom Packer	7.2 ft
Total Assembly Length	27.25 ft

Transducer Locations	
Top	2 (Distance Above Upper Packer Top)
Middle	8 (Distance Below Upper Packer Bottom)
Bottom	0 (If Different from Bottom of Assembly)

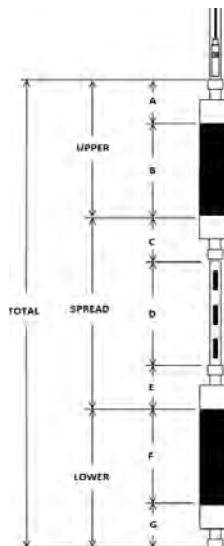
Important Dimensions	
Pipe Lengths	21 ft
Pipe diameter	2.00 in
Upper packer diameter	3.5 in
Lower packer diameter	3.5 in
Well diameter	6 in

Inflation Numbers	
Stretch PSI-Upper	125 PSI
Stretch PSI-Lower	125 PSI
Top Packer Inflation	232 PSI
Bottom Packer Inflation	238 PSI

Pipe Tally	
Stickup	2.2 ft
Point A	182.9 ft
Total Length of Pipe	185.0 ft
No. of Full-Length Pipes	8 pipes
Feet of Odds	17.0 ft

Pump Time	
Number of Volumes To Purge	3 Volumes
Zone Volume	22 gallons
GPM	1.0 gal/min
Run time	66 minutes

Transducer Serial Number	
Top	
Middle	
Bottom	



		PACKER DIAMETER						
		1.8	2.7	3.5	4.0	4.5	5.5	7.3
BOREHOLE DIAMETER	2.25	15						
	2.5	25						
	3	40	25					
	3.5		80	35				
	3.75			44				
	4			50	25			
	4.5			90	40	25		
	5			130	50	30		
	5.5				75	37.5	25	
	6				125	45	30	20
	6.25				300	55	33	21
	6.5					65	35	23
	7					75	44	25
	7.5					120	59	28
	8						73	30
	8.5						116	45
	9							40
	9.5							60
	10							80
	10.5							100
	11							180
	11.5							275
	12							370
	12.5							100

Column1	Column2	Column3	Column4
DASYLab 2016 - 2016			
Worksheet name: MW-85 Zone 3 (190-205)			
Recording date : 4/1/2026		11:15:45 AM	
Block length : 1			
Delta : 2 sec.			
Number of channels : 3			
Measurement time[s]	Upper Zone [ft]	Pumping Zone [ft]	Lower Zone [ft]
1	3.75	3.80	3.76
3	3.76	3.80	3.75
5	3.73	3.79	3.74
7	3.75	3.76	3.76
9	3.75	3.77	3.72
11	3.75	3.77	3.70
13	3.71	3.77	3.71
15	3.72	3.76	3.72
17	3.69	3.75	3.70
19	3.74	3.78	3.72
21	3.72	3.75	3.70
23	3.71	3.77	3.72
25	3.72	3.75	3.71
27	3.69	3.73	3.68
29	3.69	3.75	3.69
31	3.67	3.73	3.70
33	3.70	3.72	3.68
35	3.66	3.74	3.68
37	3.70	3.72	3.67
39	3.66	3.72	3.67
41	3.69	3.72	3.66
43	3.66	3.70	3.65
45	3.61	3.70	3.66
47	3.67	3.71	3.64
49	3.64	3.70	3.62
51	3.61	3.68	3.61
53	3.66	3.68	3.64
55	3.65	3.70	3.65
57	3.65	3.67	3.64
59	3.61	3.66	3.64
61	3.66	3.68	3.62
63	3.64	3.67	3.62
65	3.62	3.68	3.62
67	3.62	3.68	3.64
69	3.63	3.69	3.61
71	3.65	3.68	3.62
73	3.61	3.68	3.60
75	3.62	3.67	3.63
77	3.62	3.65	3.61

79	3.64	3.65	3.62
81	3.60	3.65	3.59
83	3.58	3.64	3.60
85	3.60	3.64	3.58
87	3.60	3.65	3.58
89	3.61	3.62	3.58
91	3.57	3.64	3.55
93	3.58	3.63	3.54
95	3.54	3.62	3.53
97	3.58	3.62	3.55
99	3.56	3.61	3.55
101	3.57	3.61	3.54
103	3.57	3.60	3.54
105	3.57	3.61	3.54
107	3.56	3.62	3.55
109	3.58	3.61	3.54
111	3.55	3.59	3.54
113	3.57	3.60	3.52
115	3.55	3.62	3.52
117	3.54	3.60	3.50
119	3.55	3.59	3.53
121	3.54	3.59	3.54
123	3.52	3.59	3.52
125	3.53	3.58	3.50
127	3.85	3.92	3.92
129	3.20	3.30	3.08
131	3.45	3.48	3.42
133	3.36	3.41	3.32
135	3.28	3.36	3.28
137	3.27	3.29	3.20
139	3.17	3.28	3.15
141	3.17	3.20	3.10
143	3.10	3.18	3.06
145	3.06	3.14	3.03
147	3.02	3.09	3.00
149	2.98	3.03	2.93
151	2.91	2.99	2.90
153	2.90	2.97	2.85
155	2.87	2.94	2.86
157	2.84	2.89	2.78
159	2.79	2.86	2.76
161	2.76	2.80	2.71
163	2.71	2.81	2.66
165	2.69	2.74	2.58
167	2.66	2.72	2.63
169	2.67	2.70	2.60
171	2.64	2.69	2.56

173	2.64	2.66	2.54
175	2.64	2.65	2.57
177	2.57	2.62	2.44
179	2.63	2.67	2.58
181	2.57	2.60	2.48
183	2.52	2.60	2.45
185	2.54	2.57	2.44
187	2.54	2.54	2.43
189	2.48	2.51	2.40
191	2.45	2.44	2.30
193	2.43	2.49	2.38
195	2.41	2.41	2.29
197	2.44	2.35	2.23
199	2.37	2.34	2.24
201	2.38	2.31	2.17
203	2.32	2.28	2.16
205	2.35	2.28	2.13
207	2.38	2.29	2.17
209	2.33	2.27	2.11
211	2.34	2.33	2.20
213	2.34	2.25	2.15
215	2.34	2.24	2.11
217	2.36	2.24	2.09
219	2.34	2.22	2.10
221	2.35	2.26	2.09
223	2.34	2.23	2.07
225	2.35	2.24	2.08
227	2.36	2.25	2.09
229	2.35	2.23	2.13
231	2.31	2.21	2.05
233	2.34	2.22	2.04
235	2.34	2.35	2.22
237	2.33	2.18	2.02
239	2.34	2.27	2.09
241	2.35	2.23	2.07
243	2.32	2.21	2.08
245	2.29	2.22	2.05
247	2.31	2.23	2.09
249	2.28	2.22	2.10
251	2.30	2.22	2.07
253	2.30	2.22	2.08
255	2.31	2.24	2.12
257	2.28	2.22	2.07
259	2.32	2.02	1.86
261	2.31	1.19	1.15
263	2.30	1.52	1.31
265	2.35	0.94	0.68

267	2.29	0.44	0.20
269	2.31	-0.09	-0.40
271	2.32	-0.60	-0.92
273	2.28	-1.16	-1.52
275	2.30	-1.75	-2.08
277	2.28	-2.09	-2.46
279	2.27	-2.35	-2.72
281	2.29	-2.61	-3.04
283	2.24	-3.02	-3.41
285	2.25	-3.19	-3.60
287	2.27	-3.19	-3.63
289	2.24	-3.18	-3.61
291	2.24	-3.18	-3.60
293	2.22	-3.15	-3.58
295	2.21	-3.07	-3.48
297	2.18	-2.84	-3.24
299	2.12	-2.79	-3.21
301	2.09	-2.81	-3.23
303	2.11	-2.93	-3.36
305	2.07	-3.21	-3.67
307	2.08	-3.19	-3.63
309	2.09	-3.14	-3.57
311	2.06	-3.10	-3.53
313	2.06	-3.10	-3.53
315	2.04	-3.06	-3.50
317	2.01	-2.88	-3.29
319	1.98	-2.78	-3.20
321	1.97	-2.79	-3.24
323	1.96	-3.01	-3.44
325	1.97	-2.89	-3.73
327	1.94	-2.89	-5.71
329	1.95	-2.81	-9.42
331	1.92	-2.86	-15.01
333	1.93	-2.87	-21.35
335	1.90	-2.86	-27.04
337	1.89	-2.83	-29.57
339	1.92	-2.87	-29.30
341	1.90	-2.89	-28.27
343	1.92	-2.87	-30.73
345	1.88	-2.95	-35.79
347	1.89	-2.92	-41.62
349	1.88	-2.95	-47.44
351	1.88	-2.88	-52.47
353	1.89	-2.88	-57.52
355	1.89	-2.87	-61.83
357	1.90	-2.88	-63.45
359	1.87	-2.89	-62.71

361	1.91	-2.88	-60.76
363	1.89	-2.91	-59.66
365	1.88	-2.92	-61.40
367	1.90	-2.86	-64.50
369	1.89	-2.84	-66.66
371	1.91	-2.84	-66.64
373	1.89	-2.86	-65.23
375	1.88	-2.84	-63.43
377	1.88	-2.84	-61.72
379	1.93	-2.83	-60.21
381	1.87	-2.82	-58.92
383	1.87	-2.80	-57.79
385	1.88	-2.79	-56.69
387	1.88	-2.80	-55.63
389	1.89	-2.78	-54.57
391	1.86	-2.77	-53.57
393	1.88	-2.76	-52.62
395	1.89	-2.73	-51.70
397	1.87	-2.75	-50.79
399	1.86	-2.71	-49.99
401	1.87	-2.71	-49.18
403	1.87	-2.70	-48.42
405	1.87	-2.70	-47.68
407	1.86	-2.68	-46.93
409	1.90	-2.68	-46.25
411	1.85	-3.18	-46.20
413	1.87	-2.54	-49.13
415	1.85	-2.63	-47.85
417	1.87	-2.58	-46.65
419	1.84	-2.53	-45.53
421	1.86	-2.52	-44.51
423	1.84	-2.51	-43.53
425	1.85	-2.48	-42.63
427	1.90	-2.44	-41.74
429	1.88	-2.41	-40.97
431	1.86	-2.37	-40.13
433	1.86	-2.36	-39.40
435	1.87	-2.34	-38.67
437	1.84	-2.32	-37.99
439	1.87	-2.30	-37.32
441	1.85	-2.30	-36.68
443	1.87	-2.26	-36.07
445	1.86	-2.25	-35.46
447	1.86	-2.22	-34.81
449	1.88	-2.24	-34.29
451	1.88	-2.19	-33.74
453	1.84	-2.16	-33.19

455	1.83	-2.21	-32.70
457	1.85	-2.15	-32.19
459	1.87	-2.11	-31.67
461	1.88	-2.12	-31.21
463	1.87	-2.11	-30.74
465	1.84	-2.10	-30.26
467	1.85	-2.05	-29.84
469	1.88	-2.04	-29.39
471	1.86	-2.05	-28.98
473	1.84	-2.02	-28.55
475	1.88	-2.01	-28.17
477	1.83	-2.01	-27.75
479	1.80	-2.00	-27.37
481	1.87	-1.96	-26.96
483	1.85	-1.95	-26.60
485	1.88	-1.92	-26.21
487	1.85	-1.92	-25.85
489	1.86	-1.91	-25.46
491	1.85	-1.88	-25.13
493	1.86	-1.87	-24.80
495	1.87	-1.86	-24.45
497	1.86	-1.86	-24.14
499	1.86	-1.84	-23.81
501	1.84	-1.82	-23.52
503	1.84	-1.83	-23.17
505	1.84	-1.80	-22.91
507	1.87	-1.78	-22.61
509	1.83	-1.77	-22.31
511	1.83	-1.76	-22.03
513	1.88	-1.76	-21.78
515	1.87	-1.73	-21.48
517	1.86	-1.72	-21.23
519	1.88	-1.72	-20.94
521	1.90	-1.69	-20.66
523	1.84	-1.68	-20.42
525	1.86	-1.67	-20.15
527	1.88	-1.65	-19.88
529	1.88	-1.63	-19.67
531	1.86	-1.62	-19.42
533	1.88	-1.60	-19.15
535	1.86	-1.60	-18.96
537	1.82	-1.60	-18.70
539	1.88	-1.57	-18.49
541	1.88	-1.57	-18.26
543	1.85	-1.59	-18.04
545	1.87	-1.54	-17.84
547	1.88	-1.55	-17.58

549	1.87	-1.52	-17.39
551	1.89	-1.53	-17.16
553	1.85	-1.51	-16.98
555	1.85	-1.51	-16.79
557	1.86	-1.50	-16.60
559	1.86	-1.50	-16.35
561	1.86	-1.46	-16.16
563	1.87	-1.47	-16.00
565	1.87	-1.43	-15.77
567	1.86	-1.42	-15.63
569	1.86	-1.43	-15.41
571	1.85	-1.44	-15.20
573	1.87	-1.39	-15.05
575	1.84	-1.39	-14.86
577	1.86	-1.38	-14.68
579	1.85	-1.39	-14.50
581	1.83	-1.40	-14.34
583	1.83	-1.35	-14.18
585	1.86	-1.34	-14.02
587	1.85	-1.35	-13.87
589	1.87	-1.35	-13.68
591	1.84	-1.32	-13.53
593	1.84	-1.31	-13.40
595	1.85	-1.32	-13.24
597	1.84	-1.32	-13.06
599	1.85	-1.29	-12.91
601	1.83	-1.27	-12.81
603	1.83	-1.25	-12.63
605	1.86	-1.25	-12.50
607	1.85	-1.25	-12.36
609	1.83	-1.24	-12.23
611	1.83	-1.22	-12.09
613	1.83	-1.25	-11.93
615	1.86	-1.23	-11.80
617	1.84	-1.22	-11.65
619	1.85	-1.19	-11.53
621	1.84	-1.21	-11.40
623	1.85	-1.18	-11.26
625	1.85	-1.17	-11.12
627	1.84	-1.17	-11.05
629	1.86	-1.18	-10.88
631	1.85	-1.15	-10.79
633	1.86	-1.13	-10.68
635	1.84	-1.13	-10.55
637	1.89	-1.11	-10.42
639	1.87	-1.10	-10.28
641	1.85	-1.11	-10.16

643	1.87	-1.09	-10.05
645	1.88	-1.09	-9.91
647	1.87	-1.07	-9.81
649	1.84	-1.08	-9.73
651	1.87	-1.05	-9.61
653	1.83	-1.04	-9.49
655	1.85	-1.03	-9.44
657	1.84	-1.03	-9.34
659	1.86	-1.02	-9.23
661	1.85	-1.00	-9.17
663	1.85	-1.00	-9.04
665	1.87	-1.00	-8.94
667	1.86	-0.98	-8.83
669	1.86	-0.99	-8.75
671	1.88	-0.99	-8.66
673	1.88	-0.99	-8.55
675	1.87	-0.97	-8.48
677	1.86	-0.96	-8.37
679	1.88	-0.92	-8.26
681	1.88	-0.92	-8.13
683	1.87	-0.95	-8.12
685	1.89	-0.91	-8.01
687	1.85	-0.92	-7.92
689	1.88	-0.91	-7.85
691	1.86	-0.91	-7.79
693	1.83	-0.90	-7.71
695	1.86	-0.89	-7.59
697	1.82	-0.89	-7.52
699	1.86	-0.90	-7.43
701	1.89	-0.85	-7.40
703	1.86	-0.86	-7.30
705	1.86	-0.87	-7.22
707	1.88	-0.84	-7.14
709	1.87	-0.85	-7.06
711	1.87	-0.85	-6.99
713	1.88	-0.83	-6.95
715	1.89	-0.84	-6.86
717	1.90	-0.81	-6.82
719	1.90	-0.79	-6.73
721	1.87	-0.83	-6.67
723	1.90	-0.78	-6.61
725	1.88	-0.87	-6.54
727	1.88	-0.76	-6.49
729	1.84	-0.77	-6.42
731	1.87	-0.77	-6.35
733	1.87	-0.76	-6.28
735	1.85	-0.75	-6.23

737	1.87	-0.76	-6.17
739	1.85	-0.73	-6.10
741	1.87	-0.71	-6.08
743	1.87	-0.71	-5.97
745	1.86	-0.71	-5.91
747	1.86	-0.71	-5.86
749	1.86	-0.69	-5.80
751	1.89	-0.68	-5.74
753	1.86	-0.68	-5.69
755	1.90	-0.65	-5.62
757	1.90	-0.67	-5.57
759	1.87	-0.65	-5.51
761	1.87	-0.64	-5.40
763	1.88	-0.66	-5.37
765	1.87	-0.64	-5.34
767	1.87	-0.63	-5.26
769	1.86	-0.62	-5.22
771	1.88	-0.64	-5.20
773	1.85	-0.62	-5.14
775	1.88	-0.62	-5.07
777	1.85	-0.60	-5.05
779	1.87	-0.61	-5.01
781	1.86	-0.59	-4.95
783	1.87	-0.60	-4.90
785	1.88	-0.61	-4.86
787	1.89	-0.59	-4.78
789	1.88	-0.56	-4.74
791	1.89	-0.58	-4.70
793	1.92	-0.54	-4.63
795	1.87	-0.56	-4.59
797	1.89	-0.54	-4.56
799	1.88	-0.50	-4.51
801	1.90	-0.54	-4.46
803	1.89	-3.15	-4.44
805	1.92	-3.67	-4.50
807	1.87	-2.55	-4.47
809	1.87	-2.78	-4.42
811	1.87	-2.63	-4.40
813	1.86	-1.61	-4.39
815	1.89	-2.66	-4.35
817	1.88	-2.69	-4.35
819	1.86	-2.65	-4.34
821	1.88	-2.65	-4.30
823	1.88	-2.63	-4.28
825	1.88	-2.59	-4.27
827	1.88	-2.59	-4.27
829	1.85	-2.57	-4.24

831	1.90	-2.56	-4.19
833	1.87	-2.57	-4.19
835	1.85	-2.56	-4.18
837	1.88	-2.54	-4.15
839	1.88	-2.52	-4.14
841	1.87	-2.53	-4.11
843	1.88	-2.49	-4.10
845	1.86	-2.47	-4.06
847	1.87	-2.44	-4.07
849	1.87	-2.47	-4.05
851	1.86	-2.44	-4.03
853	1.88	-2.45	-3.97
855	1.89	-2.42	-3.99
857	1.87	-2.40	-3.96
859	1.87	-2.41	-3.94
861	1.84	-2.40	-3.93
863	1.88	-2.37	-3.91
865	1.88	-2.36	-3.88
867	1.86	-2.37	-3.88
869	1.85	-2.34	-3.82
871	1.81	-2.32	-3.82
873	1.85	-2.31	-3.81
875	1.89	-2.29	-3.77
877	1.85	-2.30	-3.79
879	1.90	-2.28	-3.74
881	1.86	-2.29	-3.74
883	1.87	-2.26	-3.73
885	1.87	-2.27	-3.72
887	1.87	-2.25	-3.68
889	1.86	-2.25	-3.69
891	1.92	-2.23	-3.66
893	1.89	-2.22	-3.63
895	1.87	-2.19	-3.61
897	1.90	-2.17	-3.60
899	1.88	-2.19	-3.59
901	1.87	-2.17	-3.55
903	1.90	-2.17	-3.58
905	1.86	-2.14	-3.53
907	1.84	-2.12	-3.53
909	1.90	-2.13	-3.50
911	1.90	-2.13	-3.49
913	1.89	-2.11	-3.49
915	1.86	-2.10	-3.50
917	1.85	-2.09	-3.47
919	1.88	-2.11	-3.46
921	1.89	-2.07	-3.41
923	1.92	-2.06	-3.42

925	1.88	-2.09	-3.41
927	1.89	-2.08	-3.41
929	1.91	-2.03	-3.40
931	1.86	-2.03	-3.40
933	1.86	-2.03	-3.38
935	1.85	-2.02	-3.39
937	1.89	-2.03	-3.34
939	1.88	-2.02	-3.36
941	1.90	-2.01	-3.35
943	1.88	-1.99	-3.32
945	1.84	-1.99	-3.35
947	1.86	-1.98	-3.29
949	1.86	-1.98	-3.26
951	1.86	-1.96	-3.26
953	1.87	-1.93	-3.26
955	1.89	-1.93	-3.20
957	1.88	-1.93	-3.20
959	1.88	-1.90	-3.21
961	1.88	-1.92	-3.20
963	1.92	-1.91	-3.17
965	1.87	-1.91	-3.17
967	1.89	-1.89	-3.13
969	1.87	-1.90	-3.14
971	1.90	-1.92	-3.13
973	1.89	-1.88	-3.11
975	1.84	-1.86	-3.11
977	1.85	-1.86	-3.07
979	1.86	-1.86	-3.07
981	1.87	-1.85	-3.04
983	1.88	-1.85	-3.02
985	1.86	-1.85	-3.03
987	1.87	-1.84	-3.00
989	1.86	-1.82	-2.97
991	1.85	-1.83	-2.98
993	1.89	-1.80	-2.97
995	1.89	-1.80	-2.95
997	1.90	-1.77	-2.96
999	1.87	-1.78	-2.90
1001	1.88	-1.77	-2.93
1003	1.90	-1.76	-2.89
1005	1.90	-1.73	-2.88
1007	1.91	-1.74	-2.83
1009	1.87	-1.73	-2.86
1011	1.89	-1.72	-2.83
1013	1.89	-1.73	-2.81
1015	1.88	-1.71	-2.80
1017	1.90	-1.71	-2.76

1019	1.92	-1.70	-2.79
1021	1.90	-1.70	-2.74
1023	1.92	-1.69	-2.74
1025	1.90	-1.68	-2.71
1027	1.93	-1.68	-2.76
1029	1.87	-1.66	-2.72
1031	1.92	-1.65	-2.69
1033	1.88	-1.66	-2.68
1035	1.89	-1.66	-2.68
1037	1.91	-1.65	-2.65
1039	1.87	-1.63	-2.65
1041	1.87	-1.65	-2.64
1043	1.87	-1.63	-2.62
1045	1.89	-1.62	-2.63
1047	1.90	-1.63	-2.61
1049	1.90	-1.64	-2.60
1051	1.86	-1.60	-2.60
1053	1.89	-1.61	-2.56
1055	1.85	-1.61	-2.54
1057	1.87	-1.61	-2.56
1059	1.86	-1.59	-2.54
1061	1.87	-1.60	-2.53
1063	1.87	-1.59	-2.51
1065	1.90	-1.56	-2.51
1067	1.87	-1.56	-2.47
1069	1.91	-1.57	-2.48
1071	1.90	-1.55	-2.45
1073	1.87	-1.55	-2.45
1075	1.89	-1.54	-2.47
1077	1.90	-1.53	-2.44
1079	1.86	-1.54	-2.42
1081	1.90	-1.52	-2.40
1083	1.92	-1.49	-2.40
1085	1.92	-1.51	-2.39
1087	1.89	-1.50	-2.36
1089	1.91	-1.49	-2.36
1091	1.90	-1.47	-2.34
1093	1.90	-1.46	-2.34
1095	1.89	-1.47	-2.34
1097	1.90	-1.49	-2.33
1099	1.91	-1.46	-2.32
1101	1.92	-1.44	-2.27
1103	1.93	-1.44	-2.30
1105	1.89	-1.45	-2.29
1107	1.89	-1.45	-2.25
1109	1.91	-1.43	-2.28
1111	1.89	-1.41	-2.25

1113	1.88	-1.40	-2.25
1115	1.88	-1.43	-2.24
1117	1.87	-1.43	-2.24
1119	1.91	-1.40	-2.22
1121	1.88	-1.42	-2.20
1123	1.87	-1.38	-2.22
1125	1.89	-1.38	-2.19
1127	1.91	-1.36	-2.19
1129	1.88	-1.39	-2.18
1131	1.88	-1.38	-2.17
1133	1.89	-1.38	-2.15
1135	1.91	-1.39	-2.14
1137	1.88	-1.38	-2.13
1139	1.87	-1.36	-2.14
1141	1.90	-1.35	-2.12
1143	1.90	-1.35	-2.10
1145	1.91	-1.34	-2.09
1147	1.86	-1.33	-2.09
1149	1.88	-1.33	-2.07
1151	1.90	-1.32	-2.08
1153	1.89	-1.33	-2.08
1155	1.90	-1.29	-2.06
1157	1.90	-1.30	-2.02
1159	1.91	-1.29	-2.03
1161	1.94	-1.29	-2.00
1163	1.90	-1.28	-2.01
1165	1.90	-1.27	-1.99
1167	1.93	-1.30	-1.98
1169	1.92	-1.28	-1.98
1171	1.90	-1.26	-1.96
1173	1.91	-1.23	-1.94
1175	1.90	-1.23	-1.94
1177	1.93	-1.25	-1.95
1179	1.94	-1.23	-1.93
1181	1.91	-1.23	-1.91
1183	1.89	-1.24	-1.93
1185	1.94	-1.23	-1.88
1187	1.90	-1.22	-1.89
1189	1.89	-1.20	-1.88
1191	1.89	-1.22	-1.87
1193	1.93	-1.21	-1.89
1195	1.90	-1.22	-1.89
1197	1.93	-1.18	-1.85
1199	1.92	-1.17	-1.87
1201	1.91	-1.17	-1.82
1203	1.93	-1.17	-1.80
1205	1.93	-1.17	-1.81

1207	1.93	-1.15	-1.83
1209	1.96	-1.18	-1.81
1211	1.91	-1.15	-1.81
1213	1.91	-1.15	-1.79
1215	1.92	-1.17	-1.79
1217	1.92	-1.15	-1.78
1219	1.90	-1.14	-1.78
1221	1.91	-1.14	-1.76
1223	1.91	-1.12	-1.75
1225	1.91	-1.15	-1.76
1227	1.89	-1.12	-1.74
1229	1.90	-1.11	-1.73
1231	1.92	-1.12	-1.72
1233	1.91	-1.10	-1.73
1235	1.93	-1.13	-1.70
1237	1.92	-1.11	-1.70
1239	1.92	-1.11	-1.65
1241	1.94	-1.10	-1.68
1243	1.92	-1.10	-1.67
1245	1.92	-1.07	-1.65
1247	1.88	-1.07	-1.66
1249	1.91	-1.10	-1.66
1251	1.95	-1.08	-1.64
1253	1.92	-1.07	-1.64
1255	1.89	-1.06	-1.65
1257	1.91	-1.06	-1.62
1259	1.91	-1.07	-1.62
1261	1.95	-1.05	-1.58
1263	1.93	-1.04	-1.56
1265	1.96	-1.02	-1.58
1267	1.91	-1.02	-1.54
1269	1.92	-1.03	-1.57
1271	1.93	-1.03	-1.57
1273	1.93	-1.04	-1.58
1275	1.93	-1.02	-1.54
1277	1.89	-1.03	-1.55
1279	1.94	-1.01	-1.54
1281	1.90	-1.01	-1.52
1283	1.91	-0.96	-1.52
1285	1.92	-1.00	-1.51
1287	1.93	-0.98	-1.49
1289	1.94	-0.98	-1.48
1291	1.92	-0.97	-1.49
1293	1.93	-0.96	-1.48
1295	1.93	-1.00	-1.48
1297	1.92	-0.97	-1.47
1299	1.91	-0.97	-1.46

1301	1.92	-0.98	-1.45
1303	1.93	-0.95	-1.45
1305	1.91	-0.94	-1.41
1307	1.88	-0.96	-1.42
1309	1.91	-0.94	-1.41
1311	1.91	-0.95	-1.42
1313	1.92	-0.94	-1.42
1315	1.92	-0.93	-1.36
1317	1.90	-0.93	-1.38
1319	1.95	-0.91	-1.36
1321	1.94	-0.93	-1.36
1323	1.91	-0.91	-1.37
1325	1.94	-0.89	-1.32
1327	1.95	-0.87	-1.33
1329	1.94	-0.91	-1.35
1331	1.95	-0.90	-1.33
1333	1.94	-0.92	-1.30
1335	1.94	-0.89	-1.30
1337	1.94	-0.88	-1.32
1339	1.96	-0.90	-1.32
1341	1.94	-0.90	-1.29
1343	1.94	-0.88	-1.29
1345	1.95	-0.87	-1.27
1347	1.92	-0.86	-1.31
1349	1.92	-0.89	-1.27
1351	1.93	-0.85	-1.28
1353	1.92	-0.86	-1.24
1355	1.93	-0.87	-1.27
1357	1.92	-0.86	-1.23
1359	1.93	-0.87	-1.24
1361	1.92	-0.85	-1.23
1363	1.93	-0.86	-1.21
1365	1.94	-0.84	-1.24
1367	1.91	-0.83	-1.22
1369	1.92	-0.85	-1.22
1371	1.92	-0.82	-1.22
1373	1.93	-0.83	-1.19
1375	1.92	-0.81	-1.19
1377	1.92	-0.83	-1.18
1379	1.93	-0.82	-1.18
1381	1.94	-0.83	-1.18
1383	1.94	-0.82	-1.20
1385	1.97	-0.79	-1.17
1387	1.95	-0.83	-1.15
1389	1.95	-0.79	-1.17
1391	1.94	-0.80	-1.13
1393	1.91	-0.79	-1.15

1395	1.92	-0.79	-1.13
1397	1.93	-0.77	-1.16
1399	1.95	-0.77	-1.10
1401	1.97	-0.77	-1.15
1403	1.91	-0.77	-1.10
1405	1.94	-0.76	-1.10
1407	1.96	-0.75	-1.11
1409	1.96	-0.75	-1.09
1411	1.95	-0.75	-1.08
1413	1.95	-0.74	-1.05
1415	1.92	-0.75	-1.06
1417	1.96	-0.76	-1.05
1419	1.93	-0.73	-1.06
1421	1.95	-0.75	-1.07
1423	1.94	-0.72	-1.07
1425	1.94	-0.73	-1.06
1427	1.95	-0.76	-1.04
1429	1.93	-0.72	-1.06
1431	1.97	-0.71	-1.02
1433	1.94	-0.73	-1.01
1435	1.95	-0.70	-1.03
1437	1.94	-0.73	-1.02
1439	1.92	-0.70	-1.01
1441	1.95	-0.70	-0.98
1443	1.94	-0.72	-0.99
1445	1.94	-0.72	-1.01
1447	1.95	-0.70	-0.99
1449	1.94	-0.71	-0.99
1451	1.92	-0.69	-0.99
1453	1.94	-0.70	-1.01
1455	1.95	-0.69	-1.01
1457	1.92	-0.68	-0.95
1459	1.99	-0.68	-0.97
1461	1.89	-0.69	-0.95
1463	1.94	-0.69	-0.95
1465	1.96	-0.68	-0.93
1467	1.95	-0.67	-0.93
1469	1.97	-0.65	-0.91
1471	1.94	-0.67	-0.92
1473	1.95	-0.65	-0.93
1475	1.95	-0.66	-0.92
1477	1.96	-0.64	-0.90
1479	1.96	-0.64	-0.89
1481	1.96	-0.64	-0.91
1483	1.97	-0.65	-0.92
1485	1.94	-0.63	-0.90
1487	1.93	-0.65	-0.90

1489	1.90	-0.63	-0.90
1491	1.94	-0.65	-0.89
1493	1.94	-0.64	-0.86
1495	1.93	-0.61	-0.87
1497	1.95	-0.63	-0.86
1499	1.96	-0.61	-0.86
1501	1.98	-0.60	-0.84
1503	1.95	-0.61	-0.84
1505	1.97	-0.60	-0.85
1507	1.97	-0.58	-0.86
1509	1.94	-0.61	-0.82
1511	1.96	-0.60	-0.83
1513	1.96	-0.59	-0.85
1515	1.96	-0.59	-0.81
1517	1.96	-0.58	-0.84
1519	1.92	-0.58	-0.81
1521	1.93	-0.59	-0.82
1523	2.00	-0.58	-0.78
1525	1.98	-0.56	-0.81
1527	1.96	-0.58	-0.79
1529	1.97	-0.56	-0.80
1531	1.96	-0.58	-0.76
1533	1.97	-0.55	-0.79
1535	1.95	-0.57	-0.76
1537	1.95	-0.57	-0.77
1539	1.95	-0.55	-0.76
1541	1.92	-0.56	-0.78
1543	1.95	-0.55	-0.80
1545	1.95	-0.55	-0.76
1547	1.96	-0.56	-0.74
1549	1.96	-0.53	-0.75
1551	1.97	-0.55	-0.74
1553	1.97	-0.53	-0.76
1555	1.97	-0.54	-0.72
1557	1.98	-0.50	-0.74
1559	1.95	-0.52	-0.72
1561	1.95	-0.52	-0.74
1563	1.96	-0.52	-0.68
1565	1.95	-0.49	-0.71
1567	1.95	-0.51	-0.70
1569	1.94	-0.51	-0.69
1571	1.96	-0.52	-0.70
1573	1.98	-0.48	-0.67
1575	1.95	-0.50	-0.68
1577	1.97	-0.47	-0.68
1579	1.96	-0.49	-0.66
1581	1.97	-0.45	-0.66

1583	1.97	-0.46	-0.66
1585	1.94	-0.45	-0.62
1587	1.94	-0.48	-0.67
1589	1.96	-0.46	-0.63
1591	1.95	-0.48	-0.66
1593	1.96	-0.48	-0.64
1595	1.92	-0.48	-0.64
1597	1.94	-0.46	-0.63
1599	1.96	-0.44	-0.62
1601	1.97	-0.43	-0.59
1603	1.97	-0.44	-0.61
1605	1.98	-0.41	-0.58
1607	1.95	-0.44	-0.59
1609	1.96	-0.43	-0.58
1611	1.97	-0.43	-0.59
1613	1.95	-0.45	-0.59
1615	1.96	-0.44	-0.60
1617	2.00	-0.43	-0.58
1619	1.97	-0.41	-0.57
1621	1.96	-0.42	-0.57
1623	1.98	-0.39	-0.57
1625	1.98	-0.38	-0.54
1627	1.96	-0.40	-0.56
1629	1.95	-0.38	-0.55
1631	1.98	-0.39	-0.56
1633	1.97	-0.37	-0.54
1635	2.00	-0.37	-0.55
1637	1.97	-0.39	-0.52
1639	1.96	-0.41	-0.54
1641	1.94	-0.39	-0.52
1643	1.94	-0.37	-0.54
1645	1.97	-0.39	-0.54
1647	1.99	-0.36	-0.50
1649	1.98	-0.36	-0.52
1651	1.95	-0.38	-0.47
1653	1.98	-0.35	-0.49
1655	1.99	-0.35	-0.49
1657	1.98	-0.35	-0.50
1659	1.99	-0.34	-0.49
1661	1.98	-0.34	-0.48
1663	1.99	-0.35	-0.46
1665	1.98	-0.35	-0.49
1667	1.98	-0.35	-0.48
1669	2.00	-0.33	-0.46
1671	1.96	-0.31	-0.48
1673	1.97	-0.35	-0.47
1675	1.96	-0.34	-0.45

1677	1.96	-0.34	-0.47
1679	1.95	-0.36	-0.48
1681	1.96	-0.30	-0.46
1683	1.97	-0.33	-0.47
1685	1.96	-0.35	-0.45
1687	1.97	-0.33	-0.42
1689	1.94	-0.32	-0.44
1691	1.96	-0.32	-0.46
1693	1.97	-0.31	-0.41
1695	1.94	-0.31	-0.44
1697	1.94	-0.31	-0.43
1699	1.95	-0.30	-0.41
1701	1.94	-0.31	-0.39
1703	1.96	-0.31	-0.44
1705	1.95	-0.29	-0.40
1707	1.98	-0.28	-0.40
1709	1.97	-0.29	-0.41
1711	1.99	-0.25	-0.38
1713	1.98	-0.29	-0.37
1715	1.96	-0.26	-0.39
1717	1.99	-0.27	-0.36
1719	1.95	-0.28	-0.35
1721	1.95	-0.28	-0.35
1723	1.97	-0.27	-0.36
1725	1.94	-0.27	-0.35
1727	1.94	-0.26	-0.39
1729	1.99	-0.25	-0.37
1731	1.95	-0.25	-0.35
1733	1.95	-0.27	-0.37
1735	1.97	-0.27	-0.33
1737	1.94	-0.27	-0.35
1739	1.95	-0.25	-0.33
1741	1.95	-0.23	-0.35
1743	1.98	-0.25	-0.32
1745	1.98	-0.22	-0.32
1747	1.94	-0.22	-0.32
1749	1.99	-0.22	-0.32
1751	1.96	3.08	-0.26
1753	2.02	2.92	-0.19
1755	2.00	3.05	-0.09
1757	2.02	3.01	-0.05
1759	1.98	2.99	0.00
1761	1.98	2.98	0.08
1763	2.01	2.97	0.15
1765	1.99	2.98	0.19
1767	2.00	2.95	0.22
1769	2.02	2.95	0.29

1771	1.98	2.94	0.34
1773	1.99	2.93	0.41
1775	2.00	2.91	0.47
1777	2.02	2.89	0.51
1779	2.00	2.91	0.55
1781	1.97	2.89	0.61
1783	1.97	2.85	0.64
1785	2.00	2.87	0.69
1787	1.98	2.87	0.71
1789	1.98	2.88	0.74
1791	2.00	2.86	0.80
1793	2.00	2.84	0.82
1795	2.00	2.83	0.90
1797	2.01	2.83	0.91
1799	2.01	2.81	0.93
1801	1.97	2.81	0.99
1803	1.98	2.82	1.05
1805	1.98	2.80	1.05
1807	2.03	2.82	1.09
1809	2.00	2.80	1.13
1811	1.98	2.79	1.17
1813	1.99	2.80	1.17
1815	2.03	2.80	1.23
1817	2.01	2.79	1.23
1819	2.02	2.76	1.27
1821	2.02	2.80	1.30
1823	2.01	2.76	1.35
1825	2.00	2.80	1.35
1827	2.03	2.77	1.41
1829	2.01	2.78	1.42
1831	2.01	2.75	1.42
1833	2.00	2.77	1.47
1835	2.02	2.75	1.48
1837	2.00	2.74	1.51
1839	2.00	2.73	1.52
1841	2.00	2.72	1.53
1843	2.01	2.71	1.57
1845	2.02	2.73	1.58
1847	2.03	2.68	1.62
1849	2.02	2.71	1.64
1851	1.99	2.70	1.65
1853	2.00	2.71	1.70
1855	2.02	2.70	1.70
1857	2.02	2.70	1.74
1859	2.01	2.70	1.73
1861	2.01	2.70	1.78
1863	2.01	2.68	1.80

1865	2.02	2.69	1.82
1867	2.04	2.68	1.82
1869	2.04	2.67	1.87
1871	2.03	2.66	1.87
1873	2.02	2.69	1.89
1875	2.01	2.66	1.91
1877	2.01	2.65	1.90
1879	2.03	2.65	1.95
1881	2.05	2.67	1.93
1883	2.04	2.66	1.98
1885	2.01	2.64	1.97
1887	2.04	2.66	2.00
1889	2.04	2.65	2.01
1891	2.02	2.64	2.03
1893	2.05	2.65	2.05
1895	2.04	2.65	2.07
1897	2.05	2.62	2.05
1899	2.03	2.64	2.09
1901	2.03	2.62	2.06
1903	2.07	2.61	2.09
1905	2.06	2.62	2.12
1907	2.04	2.61	2.14
1909	2.02	2.63	2.16
1911	2.05	2.61	2.14
1913	2.02	2.62	2.16
1915	2.01	2.60	2.18
1917	2.06	2.63	2.16
1919	2.00	2.60	2.20
1921	1.98	2.60	2.20
1923	2.03	2.60	2.24
1925	2.03	2.59	2.21
1927	2.06	2.59	2.24
1929	2.03	2.57	2.25
1931	2.03	2.60	2.26
1933	2.03	2.58	2.26
1935	2.01	2.58	2.27
1937	1.99	2.57	2.28
1939	2.05	2.57	2.28
1941	2.03	2.58	2.28
1943	2.04	2.58	2.34
1945	2.00	2.59	2.33
1947	2.04	2.57	2.31
1949	2.03	2.57	2.34
1951	2.04	2.57	2.36
1953	2.03	2.56	2.37
1955	2.01	2.56	2.39
1957	2.05	2.56	2.36

1959	2.02	2.57	2.39
1961	2.04	2.55	2.40
1963	2.04	2.54	2.40
1965	2.04	2.53	2.41
1967	2.00	2.54	2.40
1969	2.04	2.56	2.42
1971	2.01	2.53	2.41
1973	2.01	2.54	2.41
1975	2.01	2.54	2.44
1977	2.03	2.52	2.44
1979	2.00	2.52	2.44
1981	2.07	2.53	2.40
1983	2.04	2.54	2.46
1985	2.06	2.53	2.44
1987	2.05	2.50	2.46
1989	2.04	2.52	2.50
1991	2.04	2.49	2.48
1993	2.06	2.50	2.49
1995	2.06	2.51	2.53
1997	2.06	2.49	2.53
1999	2.06	2.52	2.49
2001	2.04	2.51	2.51
2003	2.03	2.50	2.52
2005	2.03	2.51	2.52
2007	2.06	2.52	2.55
2009	2.04	2.51	2.48
2011	2.07	2.51	2.54
2013	2.06	2.52	2.53
2015	2.03	2.51	2.57
2017	2.08	2.51	2.52
2019	2.06	2.51	2.55
2021	2.08	2.49	2.56
2023	2.08	2.52	2.58
2025	2.07	2.50	2.57
2027	2.07	2.50	2.57
2029	2.04	2.48	2.58
2031	2.08	2.48	2.59
2033	2.06	2.47	2.57
2035	2.07	2.49	2.60
2037	2.05	2.47	2.60
2039	2.07	2.49	2.62
2041	2.05	2.49	2.60
2043	2.05	2.47	2.61
2045	2.05	2.47	2.59
2047	2.04	2.47	2.60
2049	2.06	2.48	2.64
2051	2.05	2.48	2.63

2053	2.05	2.47	2.58
2055	2.05	2.46	2.63
2057	2.03	2.47	2.58
2059	2.09	2.46	2.66
2061	2.05	2.49	2.60
2063	2.05	2.48	2.64
2065	2.08	2.46	2.60
2067	2.04	2.48	2.67
2069	2.07	2.46	2.58
2071	2.05	2.45	2.64
2073	2.04	2.47	2.63
2075	2.02	2.47	2.60
2077	2.08	2.47	2.61
2079	2.07	2.43	2.61
2081	2.02	1.95	2.62
2083	2.01	0.38	2.55
2085	2.05	2.10	2.46
2087	2.06	0.36	2.42
2089	2.04	1.22	2.33
2091	2.06	0.39	2.32
2093	2.02	0.68	2.26
2095	2.06	0.30	2.25
2097	2.09	-0.06	2.15
2099	2.05	1.07	2.15
2101	2.02	0.19	2.09
2103	2.07	0.90	2.03
2105	2.03	1.39	1.98
2107	2.07	0.09	1.92
2109	2.06	-0.11	1.86
2111	2.05	-0.30	1.84
2113	2.04	-0.20	1.76
2115	2.04	-0.15	1.70
2117	2.01	-0.52	1.62
2119	2.02	-0.38	1.53
2121	2.04	-0.58	1.46
2123	2.03	-0.86	1.39
2125	1.97	-0.51	1.35
2127	2.03	0.29	1.32
2129	2.05	-1.10	1.30
2131	2.05	-1.40	1.19
2133	2.05	-1.06	1.12
2135	2.04	-1.58	1.05
2137	2.04	-1.04	0.98
2139	2.05	-1.32	0.89
2141	2.06	-1.27	0.82
2143	2.03	-1.36	0.73
2145	2.00	-1.81	0.69

2147	2.00	-1.86	0.58
2149	2.01	-1.81	0.52
2151	2.02	-2.06	0.45
2153	2.00	-2.72	0.34
2155	2.05	-2.14	0.27
2157	2.03	-2.15	0.16
2159	1.99	-2.10	0.12
2161	2.04	-2.34	0.02
2163	2.02	-2.65	-0.03
2165	1.98	-2.67	-0.10
2167	2.04	-2.87	-0.21
2169	2.01	-2.77	-0.27
2171	2.01	-2.22	-0.32
2173	2.00	-2.56	-0.36
2175	1.99	-2.94	-0.45
2177	1.99	-2.78	-0.55
2179	2.01	-3.39	-0.61
2181	2.02	-2.97	-0.68
2183	1.99	-3.32	-0.77
2185	2.01	-3.20	-0.84
2187	2.00	-3.43	-0.89
2189	2.03	-3.06	-0.98
2191	2.00	-3.44	-1.04
2193	2.00	-3.59	-1.12
2195	2.01	-3.36	-1.21
2197	2.00	-3.25	-1.28
2199	2.02	-4.51	-1.35
2201	2.02	-3.37	-1.43
2203	1.98	-3.56	-1.48
2205	2.00	-3.97	-1.55
2207	1.98	-3.34	-1.59
2209	1.98	-3.32	-1.67
2211	1.98	-3.20	-1.70
2213	1.94	-3.43	-1.77
2215	1.96	-3.67	-1.83
2217	1.95	-3.72	-1.89
2219	1.94	-3.16	-1.93
2221	1.93	-3.75	-1.98
2223	1.92	-3.38	-2.03
2225	1.95	-4.07	-2.09
2227	1.91	-3.76	-2.12
2229	1.90	-2.55	-2.13
2231	1.92	-3.06	-2.15
2233	1.93	-2.65	-2.15
2235	1.91	-2.92	-2.19
2237	1.94	-2.66	-2.18
2239	1.93	-2.65	-2.17

2241	1.93	-2.69	-2.18
2243	1.93	-2.65	-2.22
2245	1.95	-2.53	-2.22
2247	1.93	-2.66	-2.20
2249	1.91	-2.72	-2.23
2251	1.95	-2.24	-2.24
2253	1.95	-2.75	-2.28
2255	1.90	-4.25	-2.26
2257	1.92	-2.48	-2.24
2259	1.90	-2.68	-2.24
2261	1.89	-2.58	-2.28
2263	1.90	-2.56	-2.29
2265	1.91	-2.57	-2.25
2267	1.89	-2.56	-2.28
2269	1.91	-2.58	-2.28
2271	1.92	-2.52	-2.25
2273	1.91	-2.50	-2.28
2275	1.88	-2.48	-2.30
2277	1.90	-2.49	-2.28
2279	1.92	-2.48	-2.29
2281	1.93	-2.47	-2.26
2283	1.91	-2.43	-2.24
2285	1.91	-2.44	-2.25
2287	1.90	-2.43	-2.25
2289	1.91	-2.41	-2.23
2291	1.91	-2.40	-2.28
2293	1.95	-2.36	-2.26
2295	1.91	-2.37	-2.20
2297	1.92	-2.35	-2.21
2299	1.87	-2.38	-2.24
2301	1.90	-2.33	-2.19
2303	1.91	-2.32	-2.20
2305	1.90	-2.33	-2.17
2307	1.92	-2.31	-2.20
2309	1.93	-2.30	-2.18
2311	1.93	-2.28	-2.19
2313	1.90	-2.29	-2.20
2315	1.91	-2.27	-2.18
2317	1.95	-2.27	-2.16
2319	1.96	-2.05	-2.00
2321	1.94	-2.04	-1.97
2323	1.94	-2.02	-1.95
2325	1.96	-2.01	-1.93
2327	1.95	-1.99	-1.93
2329	1.90	-2.01	-1.93
2331	1.90	-2.00	-1.92
2333	1.90	-1.99	-1.89

2335	1.91	-1.99	-1.93
2337	1.92	-1.99	-1.91
2339	1.93	-1.98	-1.91
2341	1.91	-1.98	-1.91
2343	1.94	-1.96	-1.88
2345	1.90	-1.93	-1.89
2347	1.92	-1.95	-1.85
2349	1.95	-1.92	-1.84
2351	1.92	-1.92	-1.84
2353	1.91	-1.89	-1.81
2355	1.92	-1.88	-1.79
2357	1.92	-1.91	-1.80
2359	1.93	-1.88	-1.82
2361	1.91	-1.88	-1.78
2363	1.94	-1.87	-1.79
2365	1.91	-1.89	-1.77
2367	1.94	-1.86	-1.75
2369	1.93	-1.83	-1.49
2371	1.94	-1.84	-1.49
2373	1.91	-1.83	-2.33
2375	1.94	-1.80	-4.35
2377	1.91	-1.86	-6.85
2379	1.96	-1.79	-8.36
2381	1.92	-1.81	-8.78
2383	1.92	-1.82	-8.57
2385	1.95	-1.80	-8.22
2387	1.92	-1.79	-7.93
2389	1.90	-1.79	-7.71
2391	1.95	-1.77	-7.47
2393	1.91	-1.79	-7.25
2395	1.92	-1.79	-7.03
2397	1.96	-1.76	-6.85
2399	1.91	-1.74	-6.72
2401	1.93	-1.72	-6.55
2403	1.93	-1.75	-6.39
2405	1.90	-1.76	-6.25
2407	1.93	-1.72	-6.11
2409	1.93	-1.73	-6.02
2411	1.94	-1.71	-5.87
2413	1.92	-1.74	-5.76
2415	1.91	-1.69	-5.65
2417	1.91	-1.70	-5.55
2419	1.93	-1.70	-5.43
2421	1.90	-1.71	-5.32
2423	1.92	-1.69	-5.22
2425	1.90	-1.65	-5.14
2427	1.91	-1.67	-5.06

2429	1.91	-1.69	-4.97
2431	1.89	-1.67	-4.90
2433	1.91	-1.67	-4.81
2435	1.92	-1.66	-4.74
2437	1.94	-1.66	-4.67
2439	1.93	-1.62	-4.60
2441	1.94	-1.64	-4.48
2443	1.91	-1.63	-4.43
2445	1.93	-1.62	-4.39
2447	1.90	-1.60	-4.32
2449	1.92	-1.63	-4.24
2451	1.96	-1.58	-4.22
2453	1.92	-1.60	-4.13
2455	1.89	-1.60	-4.08
2457	1.92	-1.61	-4.02
2459	1.92	-1.58	-4.00
2461	1.90	-1.58	-3.93
2463	1.91	-1.58	-3.90
2465	1.90	-1.59	-3.87
2467	1.95	-1.56	-3.74
2469	1.90	-1.56	-3.76
2471	1.92	-1.55	-3.66
2473	1.96	-1.52	-3.65
2475	1.92	-1.52	-3.60
2477	1.93	-1.53	-3.54
2479	1.95	-1.50	-3.51
2481	1.94	-1.51	-3.45
2483	1.91	-1.49	-3.43
2485	1.95	-1.51	-3.38
2487	1.93	-1.48	-3.33
2489	1.92	-1.49	-3.30
2491	1.97	-1.47	-3.29
2493	1.96	-1.49	-3.23
2495	1.90	-1.46	-3.19
2497	1.95	-1.48	-3.20
2499	1.94	-1.47	-3.11
2501	1.94	-1.44	-3.11
2503	1.94	-1.46	-3.11
2505	1.93	-1.45	-3.06
2507	1.91	-1.44	-3.03
2509	1.95	-1.45	-3.02
2511	1.92	-1.43	-2.98
2513	1.92	-1.44	-2.93
2515	1.93	-1.44	-2.90
2517	1.93	-1.43	-2.86
2519	1.95	-1.44	-2.88
2521	1.93	-1.40	-2.83

2523	1.95	-1.41	-2.80
2525	1.94	-1.42	-2.76
2527	1.95	-1.39	-2.77
2529	1.94	-1.38	-2.68
2531	1.95	-1.37	-2.71
2533	1.95	-1.37	-2.67
2535	1.97	-1.35	-2.63
2537	1.98	-1.37	-2.60
2539	1.98	-1.36	-2.59
2541	1.97	-1.35	-2.56
2543	1.97	-1.33	-2.54
2545	1.93	-1.35	-2.53
2547	1.96	-1.34	-2.50
2549	1.99	-1.32	-2.50
2551	1.95	-1.34	-2.45
2553	1.95	-1.32	-2.45
2555	1.93	-1.32	-2.41
2557	1.97	-1.32	-2.45
2559	1.99	-1.32	-2.39
2561	1.97	-1.30	-2.39
2563	1.95	-1.32	-2.37
2565	1.92	-1.27	-2.33
2567	1.92	-1.30	-2.31
2569	1.97	-1.28	-2.28
2571	1.93	-1.30	-2.30
2573	1.94	-1.29	-2.26
2575	1.95	-1.28	-2.23
2577	1.98	-1.27	-2.23
2579	1.93	-1.26	-2.18
2581	1.93	-1.26	-2.18
2583	1.95	-1.26	-2.17
2585	1.98	-1.21	-2.13
2587	1.97	-1.21	-2.12
2589	1.94	-1.22	-2.11
2591	1.96	-1.23	-2.11
2593	1.94	-1.20	-2.07
2595	1.93	-1.24	-2.08
2597	1.98	-1.23	-2.04
2599	1.94	-1.21	-2.03
2601	1.97	-1.21	-2.04
2603	1.99	-1.23	-2.02
2605	1.93	-1.20	-2.00
2607	1.96	-1.21	-1.98
2609	1.94	-1.19	-1.96
2611	2.00	-1.20	-1.94
2613	1.91	-1.09	-1.95
2615	2.00	-0.78	-1.90

2617	1.95	-0.86	-1.88
2619	1.97	-0.62	-1.86
2621	2.00	-0.37	-1.82
2623	1.98	-0.15	-1.83
2625	1.94	0.03	-1.74
2627	2.00	0.27	-1.70
2629	1.96	0.46	-1.68
2631	2.01	0.67	-1.63
2633	1.90	0.86	-1.58
2635	1.98	1.07	-1.50
2637	1.98	1.25	-1.47
2639	1.92	1.52	-1.37
2641	1.97	1.76	-1.34
2643	1.91	1.88	-1.27
2645	1.96	2.07	-1.19
2647	1.92	2.26	-1.11
2649	1.92	2.48	-1.05
2651	1.92	2.67	-0.95
2653	1.88	2.83	-0.88
2655	1.97	3.05	-0.78
2657	1.92	3.22	-0.73
2659	1.96	3.42	-0.64
2661	1.89	3.61	-0.53
2663	1.97	3.81	-0.47
2665	1.89	3.97	-0.35
2667	1.92	4.15	-0.28
2669	1.90	4.35	-0.18
2671	1.99	4.50	-0.05
2673	2.00	4.69	0.03
2675	1.91	4.88	0.10
2677	1.87	5.05	0.20
2679	1.95	5.22	0.35
2681	1.99	5.40	0.42
2683	1.96	5.58	0.55
2685	1.91	5.75	0.66
2687	1.97	5.93	0.77
2689	1.99	6.10	0.88
2691	2.01	6.27	0.98
2693	2.03	6.44	1.09
2695	2.03	6.62	1.22
2697	2.03	6.77	1.31
2699	2.04	6.95	1.44
2701	2.03	7.12	1.55
2703	2.01	7.28	1.66
2705	2.04	7.41	1.78
2707	2.03	7.64	1.91
2709	2.02	7.79	2.03

2711	2.01	7.94	2.16
2713	2.02	8.11	2.29
2715	2.04	8.31	2.37
2717	2.02	8.48	2.51
2719	1.98	8.59	2.62
2721	2.04	8.82	2.73
2723	2.02	8.94	2.87
2725	2.02	9.09	3.00
2727	2.00	9.24	3.12
2729	2.01	9.41	3.19
2731	1.99	9.56	3.38
2733	2.00	9.73	3.45
2735	2.00	9.86	3.58
2737	2.03	10.07	3.71
2739	2.03	10.21	3.81
2741	2.01	10.30	3.94
2743	2.03	10.50	4.10
2745	2.02	10.63	4.19
2747	2.05	10.77	4.34
2749	2.05	10.94	4.46
2751	2.07	11.07	4.56
2753	2.05	11.19	4.70
2755	2.08	11.32	4.85
2757	2.05	11.52	4.94
2759	2.08	11.64	5.06
2761	2.09	11.80	5.19
2763	2.08	11.94	5.32
2765	2.09	12.09	5.44
2767	2.11	12.18	5.56
2769	2.11	12.44	5.68
2771	2.09	12.56	5.79
2773	2.09	12.61	5.98
2775	2.09	12.74	6.09
2777	2.07	12.92	6.18
2779	2.08	13.09	6.35
2781	2.11	13.11	6.47
2783	2.11	13.36	6.60
2785	2.09	13.48	6.74
2787	2.09	13.67	6.83
2789	2.10	13.74	6.97
2791	2.14	13.88	7.12
2793	2.11	14.06	7.24
2795	2.17	14.17	7.33
2797	2.12	14.33	7.48
2799	2.10	14.48	7.60
2801	2.11	14.57	7.75
2803	2.14	14.71	7.87

2805	2.12	14.85	7.99
2807	2.14	14.99	8.11
2809	2.14	15.15	8.26
2811	2.15	15.27	8.37
2813	2.12	15.41	8.50
2815	2.17	15.57	8.63
2817	2.14	15.73	8.75
2819	2.18	15.83	8.89
2821	2.16	15.90	9.01
2823	2.16	16.12	9.15
2825	2.14	16.23	9.28
2827	2.17	16.38	9.39
2829	2.15	16.50	9.54
2831	2.14	16.69	9.64
2833	2.16	16.73	9.80
2835	2.15	16.88	9.92
2837	2.15	17.04	10.06
2839	2.17	17.21	10.15
2841	2.17	17.20	10.33
2843	2.15	17.41	10.41
2845	2.19	17.60	10.55
2847	2.18	17.62	10.66
2849	2.16	17.81	10.83
2851	2.17	17.93	10.92
2853	2.17	18.09	11.07
2855	2.17	18.19	11.16
2857	2.17	18.29	11.28
2859	2.16	18.47	11.42
2861	2.18	18.59	11.54
2863	2.21	18.72	11.71
2865	2.21	18.88	11.82
2867	2.19	18.96	11.95
2869	2.21	19.10	12.08
2871	2.19	19.26	12.20
2873	2.22	19.38	12.34
2875	2.21	19.55	12.47
2877	2.21	19.61	12.55
2879	2.23	19.73	12.69
2881	2.23	19.86	12.81
2883	2.23	20.04	12.96
2885	2.20	20.10	13.05
2887	2.24	20.25	13.21
2889	2.22	20.30	13.35
2891	2.24	20.51	13.44
2893	2.23	20.67	13.59
2895	2.24	20.73	13.67
2897	2.23	20.87	13.82

2899	2.24	20.99	13.94
2901	2.24	21.04	14.08
2903	2.23	21.22	14.22
2905	2.27	21.34	14.33
2907	2.26	21.48	14.44
2909	2.23	21.59	14.54
2911	2.24	21.69	14.69
2913	2.25	21.84	14.81
2915	2.26	21.99	14.94
2917	2.28	22.10	15.05
2919	2.26	22.19	15.14
2921	2.25	22.30	15.27
2923	2.23	22.41	15.43
2925	2.25	22.56	15.50
2927	2.24	22.70	15.64
2929	2.24	22.71	15.80
2931	2.24	22.99	15.90
2933	2.26	23.02	16.03
2935	2.26	23.12	16.12
2937	2.25	23.25	16.27
2939	2.26	23.34	16.37
2941	2.28	23.51	16.52
2943	2.30	23.59	16.62
2945	2.29	23.77	16.76
2947	2.29	23.87	16.88
2949	2.27	23.97	17.00
2951	2.26	24.11	17.13
2953	2.29	24.24	17.23
2955	2.25	24.31	17.37
2957	2.27	24.49	17.47
2959	2.27	24.57	17.59
2961	2.27	24.68	17.72
2963	2.27	24.78	17.84
2965	2.29	24.93	17.91
2967	2.25	25.06	18.09
2969	2.27	25.15	18.20
2971	2.26	25.25	18.33
2973	2.28	25.36	18.44
2975	2.29	25.52	18.55
2977	2.29	25.66	18.67
2979	2.29	25.67	18.77
2981	2.27	25.86	18.90
2983	2.27	25.97	19.02
2985	2.27	26.09	19.16
2987	2.29	26.15	19.26
2989	2.30	26.28	19.39
2991	2.29	26.39	19.51

2993	2.27	26.46	19.59
2995	2.30	26.62	19.74
2997	2.29	26.71	19.83
2999	2.30	26.89	19.95
3001	2.32	26.93	20.10
3003	2.28	27.10	20.18
3005	2.30	27.11	20.33
3007	2.30	27.26	20.43
3009	2.30	27.34	20.54
3011	2.29	27.53	20.66
3013	2.29	27.60	20.77
3015	2.30	27.77	20.88
3017	2.30	27.80	21.01
3019	2.28	27.94	21.14
3021	2.31	28.08	21.22
3023	2.29	28.15	21.34
3025	2.32	28.26	21.46
3027	2.29	28.34	21.56
3029	2.33	28.51	21.69
3031	2.32	28.57	21.81
3033	2.32	28.70	21.90
3035	2.31	28.83	22.05
3037	2.32	28.83	22.13
3039	2.31	29.03	22.24
3041	2.30	29.15	22.37
3043	2.27	29.17	22.49
3045	2.35	29.35	22.62
3047	2.29	29.52	22.71
3049	2.31	29.45	22.82
3051	2.34	29.63	22.94
3053	2.30	29.70	23.03
3055	2.29	29.80	23.16
3057	2.32	29.95	23.24
3059	2.32	30.01	23.38
3061	2.33	30.09	23.46
3063	2.31	30.25	23.60
3065	2.30	30.30	23.68
3067	2.30	30.41	23.82
3069	2.35	30.44	23.92
3071	2.33	30.53	24.03
3073	2.28	30.73	24.14
3075	2.33	30.82	24.23
3077	2.32	30.92	24.34
3079	2.34	30.99	24.45
3081	2.34	31.14	24.58
3083	2.31	31.23	24.67
3085	2.32	31.26	24.78

3087	2.33	31.41	24.91
3089	2.33	31.51	25.00
3091	2.32	31.62	25.11
3093	2.32	31.71	25.21
3095	2.30	31.82	25.32
3097	2.33	31.89	25.43
3099	2.33	32.05	25.55
3101	2.33	32.10	25.65
3103	2.36	32.22	25.74
3105	2.35	32.31	25.88
3107	2.35	32.38	26.00
3109	2.33	32.53	26.12
3111	2.37	32.61	26.20
3113	2.32	32.68	26.30
3115	2.33	32.81	26.46
3117	2.39	32.95	26.51
3119	2.33	33.01	26.64
3121	2.36	33.11	26.77
3123	2.37	33.20	26.86
3125	2.36	33.29	26.95
3127	2.36	33.39	27.08
3129	2.35	33.45	27.15
3131	2.34	33.58	27.27
3133	2.34	33.66	27.38
3135	2.34	33.76	27.47
3137	2.37	33.90	27.56
3139	2.35	33.96	27.70
3141	2.36	34.05	27.80
3143	2.33	34.13	27.86
3145	2.36	34.24	28.01
3147	2.35	34.30	28.10
3149	2.34	34.43	28.19
3151	2.37	34.50	28.27
3153	2.36	34.57	28.42
3155	2.37	34.67	28.46
3157	2.35	34.74	28.60
3159	2.36	34.78	28.70
3161	2.37	34.97	28.79
3163	2.30	35.00	28.90
3165	2.36	35.12	29.02
3167	2.32	35.23	29.11
3169	2.36	35.31	29.20
3171	2.33	35.43	29.28
3173	2.33	35.48	29.35
3175	2.36	35.51	29.51
3177	2.35	35.58	29.60
3179	2.33	35.74	29.71

3181	2.36	35.79	29.80
3183	2.37	35.84	29.87
3185	2.35	35.98	29.98
3187	2.33	36.01	30.06
3189	2.36	36.15	30.18
3191	2.35	36.24	30.28
3193	2.39	36.30	30.37
3195	2.37	36.43	30.46
3197	2.37	36.45	30.53
3199	2.34	36.57	30.67
3201	2.34	36.65	30.74
3203	2.33	36.75	30.85
3205	2.36	36.87	30.95
3207	2.39	36.95	31.03
3209	2.37	37.05	31.14
3211	2.34	37.07	31.23
3213	2.37	37.19	31.35
3215	2.38	37.29	31.44
3217	2.36	37.37	31.49
3219	2.36	37.39	31.62
3221	2.34	37.54	31.73
3223	2.35	37.53	31.78
3225	2.38	37.68	31.91
3227	2.36	37.81	32.01
3229	2.33	37.76	32.07
3231	2.37	37.96	32.17
3233	2.35	37.93	32.24
3235	2.40	38.13	32.36
3237	2.39	38.21	32.45
3239	2.36	38.30	32.57
3241	2.34	38.41	32.62
3243	2.35	38.62	32.72
3245	2.34	38.74	32.81
3247	2.34	38.98	32.91
3249	2.36	39.06	33.01
3251	2.34	39.15	33.10
3253	2.35	39.40	33.21
3255	2.34	39.50	33.30
3257	2.33	39.74	33.40
3259	2.34	39.88	33.50
3261	2.34	40.02	33.60
3263	2.30	40.25	33.70
3265	2.35	40.34	33.81
3267	2.34	40.46	33.94
3269	2.35	40.65	34.03
3271	2.34	40.82	34.14
3273	2.35	40.93	34.22

3275	2.34	41.13	34.35
3277	2.34	41.28	34.48
3279	2.36	41.43	34.55
3281	2.36	41.60	34.71
3283	2.36	41.66	34.81
3285	2.36	41.98	34.90
3287	2.38	42.10	35.01
3289	2.36	42.18	35.13
3291	2.34	42.43	35.22
3293	2.35	42.52	35.35
3295	2.37	42.70	35.45
3297	2.34	42.87	35.56
3299	2.36	43.06	35.67
3301	2.38	43.09	35.79
3303	2.37	43.29	35.91
3305	2.37	43.52	36.06
3307	2.36	43.60	36.13
3309	2.32	43.78	36.27
3311	2.36	44.00	36.38
3313	2.36	44.02	36.49
3315	2.33	44.25	36.63
3317	2.37	44.38	36.71
3319	2.36	44.46	36.86
3321	2.37	44.70	36.97
3323	2.38	44.77	37.06
3325	2.37	44.95	37.20
3327	2.34	45.16	37.32
3329	2.34	45.27	37.43
3331	2.35	45.41	37.53
3333	2.34	45.58	37.62
3335	2.40	45.65	37.77
3337	2.35	45.82	37.88
3339	2.33	46.01	38.01
3341	2.37	46.08	38.14
3343	2.38	46.26	38.23
3345	2.36	46.35	38.37
3347	2.35	46.54	38.46
3349	2.36	46.67	38.61
3351	2.37	46.81	38.70
3353	2.35	47.02	38.84
3355	2.34	47.12	38.97
3357	2.36	47.27	39.08
3359	2.37	47.42	39.19
3361	2.35	47.53	39.29
3363	2.36	47.70	39.44
3365	2.37	47.80	39.53
3367	2.37	47.98	39.69

3369	2.34	48.07	39.80
3371	2.34	48.19	39.96
3373	2.33	48.34	40.01
3375	2.34	48.57	40.17
3377	2.37	48.63	40.30
3379	2.35	48.79	40.40
3381	2.35	48.89	40.54
3383	2.36	49.04	40.65
3385	2.33	49.18	40.78
3387	2.33	49.30	40.90
3389	2.33	49.47	40.99
3391	2.32	49.56	41.12
3393	2.33	49.75	41.26
3395	2.34	49.87	41.36
3397	2.32	49.96	41.49
3399	2.36	50.14	41.64
3401	2.32	50.32	41.76
3403	2.32	50.41	41.87
3405	2.36	50.55	41.97
3407	2.33	50.64	42.07
3409	2.37	50.81	42.22
3411	2.34	50.90	42.33
3413	2.32	51.07	42.49
3415	2.32	51.21	42.63
3417	2.34	51.32	42.70
3419	2.33	51.47	42.83
3421	2.35	51.62	42.96
3423	2.35	51.77	43.11
3425	2.36	51.88	43.23
3427	2.33	52.07	43.37
3429	2.32	52.15	43.50
3431	2.34	52.24	43.60
3433	2.33	52.36	43.75
3435	2.33	52.49	43.87
3437	2.34	52.59	43.97
3439	2.36	52.76	44.13
3441	2.35	52.89	44.20
3443	2.34	53.00	44.36
3445	2.37	53.18	44.47
3447	2.35	53.22	44.61
3449	2.34	53.43	44.72
3451	2.35	53.52	44.83
3453	2.35	53.61	44.95
3455	2.35	53.73	45.09
3457	2.36	53.94	45.23
3459	2.31	53.98	45.30
3461	2.35	54.10	45.47

3463	2.35	54.28	45.58
3465	2.34	54.38	45.72
3467	2.34	54.45	45.81
3469	2.31	54.58	45.97
3471	2.34	54.72	46.08
3473	2.35	54.86	46.21
3475	2.32	54.98	46.34
3477	2.34	55.05	46.43
3479	2.33	55.20	46.57
3481	2.34	55.23	46.67
3483	2.36	55.40	46.83
3485	2.36	55.59	46.93
3487	2.34	55.64	47.06
3489	2.37	55.81	47.19
3491	2.32	55.91	47.30
3493	2.34	56.03	47.43
3495	2.35	56.10	47.58
3497	2.34	56.23	47.69
3499	2.35	56.33	47.82
3501	2.37	56.47	47.94
3503	2.33	56.59	48.05
3505	2.37	56.67	48.15
3507	2.35	56.78	48.30
3509	2.37	56.85	48.38
3511	2.34	57.03	48.49
3513	2.35	57.14	48.64
3515	2.34	57.19	48.74
3517	2.36	57.34	48.88
3519	2.35	57.45	48.98
3521	2.36	57.55	49.08
3523	2.35	57.62	49.22
3525	2.36	57.75	49.35
3527	2.35	57.88	49.45
3529	2.36	57.99	49.56
3531	2.35	58.09	49.69
3533	2.33	58.23	49.80
3535	2.34	58.26	49.93
3537	2.34	58.39	50.05
3539	2.34	57.87	50.14
3541	2.34	58.37	50.28
3543	2.34	58.00	50.36
3545	2.34	57.73	50.48
3547	2.33	57.45	50.60
3549	2.34	57.26	50.65
3551	2.38	56.87	50.77
3553	2.36	56.63	50.86
3555	2.32	56.36	50.92

3557	2.35	56.15	51.04
3559	2.34	55.93	51.07
3561	2.33	55.75	51.17
3563	2.32	55.62	51.20
3565	2.33	55.46	51.28
3567	2.36	55.36	51.34
3569	2.34	55.30	51.41
3571	2.34	55.20	51.49
3573	2.33	55.16	51.55
3575	2.36	55.12	51.62
3577	2.33	55.07	51.68
3579	2.34	55.04	51.72
3581	2.35	55.04	51.82
3583	2.33	55.02	51.86
3585	2.36	55.00	51.93
3587	2.36	54.98	51.99
3589	2.35	54.98	52.03
3591	2.35	54.94	52.12
3593	2.35	54.95	52.16
3595	2.35	54.94	52.24
3597	2.37	54.94	52.26
3599	2.35	54.89	52.35
3601	2.34	54.91	52.39
3603	2.36	55.07	52.47
3605	2.34	55.17	52.49
3607	2.36	55.34	52.56
3609	2.34	55.59	52.58
3611	2.35	55.83	52.64
3613	2.35	56.12	52.72
3615	2.32	56.28	52.78
3617	2.34	56.48	52.83
3619	2.33	56.67	52.88
3621	2.33	56.81	52.98
3623	2.35	56.95	53.05
3625	2.33	57.09	53.09
3627	2.33	57.16	53.17
3629	2.32	57.36	53.24
3631	2.33	57.50	53.32
3633	2.32	57.74	53.39
3635	2.31	57.76	53.46
3637	2.34	57.90	53.51
3639	2.35	58.04	53.60
3641	2.34	58.21	53.68
3643	2.34	58.27	53.72
3645	2.35	58.46	53.80
3647	2.31	58.59	53.90
3649	2.36	58.72	53.95

3651	2.33	58.86	54.02
3653	2.33	58.94	54.09
3655	2.34	59.16	54.18
3657	2.34	59.25	54.27
3659	2.31	59.38	54.33
3661	2.30	59.52	54.43
3663	2.32	59.66	54.51
3665	2.36	59.82	54.61
3667	2.33	59.88	54.67
3669	2.32	60.17	54.76
3671	2.36	60.19	54.84
3673	2.34	60.30	54.93
3675	2.30	60.54	55.01
3677	2.33	60.58	55.10
3679	2.32	60.74	55.19
3681	2.35	60.81	55.26
3683	2.33	60.96	55.36
3685	2.33	61.16	55.45
3687	2.31	61.21	55.51
3689	2.33	61.32	55.60
3691	2.32	61.47	55.71
3693	2.34	61.60	55.77
3695	2.32	61.74	55.86
3697	2.31	61.87	55.94
3699	2.33	61.93	56.04
3701	2.35	62.13	56.12
3703	2.32	62.21	56.23
3705	2.32	62.34	56.30
3707	2.32	62.46	56.39
3709	2.33	62.52	56.46
3711	2.35	62.70	56.60
3713	2.31	62.82	56.66
3715	2.34	62.88	56.77
3717	2.32	63.09	56.80
3719	2.32	63.09	56.99
3721	2.32	63.32	57.00
3723	2.31	62.64	57.10
3725	2.31	63.03	57.19
3727	2.35	62.67	57.28
3729	2.33	62.38	57.36
3731	2.33	62.07	57.41
3733	2.34	62.06	57.51
3735	2.33	62.15	57.61
3737	2.33	62.13	57.67
3739	2.32	62.34	57.76
3741	2.35	62.56	57.83
3743	2.33	62.79	57.89

3745	2.31	62.94	57.97
3747	2.32	63.12	58.05
3749	2.31	63.39	58.09
3751	2.32	63.58	58.22
3753	2.33	63.82	58.27
3755	2.32	64.00	58.38
3757	2.33	64.18	58.44
3759	2.34	64.34	58.51
3761	2.34	64.58	58.62
3763	2.31	64.78	58.71
3765	2.32	65.04	58.81
3767	2.31	65.15	58.88
3769	2.29	65.38	59.02
3771	2.32	65.65	59.11
3773	2.31	65.78	59.19
3775	2.30	66.03	59.27
3777	2.33	66.25	59.39
3779	2.32	66.41	59.50
3781	2.34	66.63	59.61
3783	2.32	66.81	59.66
3785	2.33	66.99	59.79
3787	2.31	67.19	59.86
3789	2.35	67.35	59.96
3791	2.34	67.59	60.05
3793	2.31	67.76	60.19
3795	2.32	67.97	60.27
3797	2.35	68.22	60.40
3799	2.33	68.39	60.50
3801	2.33	68.58	60.61
3803	2.33	68.76	60.70
3805	2.32	68.93	60.78
3807	2.31	69.08	60.90
3809	2.33	69.29	61.01
3811	2.31	69.51	61.17
3813	2.30	69.70	61.27
3815	2.32	69.93	61.36
3817	2.33	70.12	61.49
3819	2.31	70.28	61.61
3821	2.31	70.48	61.71
3823	2.31	70.67	61.85
3825	2.34	70.89	61.96
3827	2.30	71.04	62.07
3829	2.31	71.14	62.21
3831	2.30	71.41	62.32
3833	2.27	71.61	62.44
3835	2.30	71.80	62.54
3837	2.31	71.97	62.63

3839	2.28	72.16	62.77
3841	2.32	72.32	62.90
3843	2.32	72.51	63.01
3845	2.31	72.71	63.14
3847	2.31	72.90	63.27
3849	2.31	73.05	63.38
3851	2.33	73.29	63.49
3853	2.31	73.47	63.61
3855	2.30	73.64	63.75
3857	2.32	73.82	63.88
3859	2.28	73.97	64.01
3861	2.29	74.12	64.15
3863	2.27	74.41	64.28
3865	2.32	74.57	64.42
3867	2.32	74.74	64.63
3869	2.29	74.93	64.86
3871	2.31	75.12	65.10
3873	2.29	75.33	65.32
3875	2.33	75.47	65.45
3877	2.29	75.64	65.57
3879	2.34	75.87	65.70
3881	2.34	75.97	65.83
3883	2.30	76.16	65.94
3885	2.30	76.36	66.09
3887	2.31	76.60	66.20
3889	2.28	76.72	66.34
3891	2.32	76.90	66.47
3893	2.29	77.05	66.63
3895	2.29	77.22	66.75
3897	2.26	77.38	66.86
3899	2.29	77.58	67.01
3901	2.28	77.75	67.13
3903	2.31	77.96	67.28
3905	2.29	78.11	67.40
3907	2.31	78.29	67.52
3909	2.30	78.39	67.66
3911	2.27	78.61	67.80
3913	2.29	78.72	67.90
3915	2.30	78.91	68.08
3917	2.28	79.11	68.19
3919	2.28	79.27	68.33
3921	2.27	79.48	68.46
3923	2.30	79.64	68.60
3925	2.28	79.80	68.73
3927	2.29	79.98	68.89
3929	2.28	80.19	69.00
3931	2.29	80.35	69.15

3933	2.32	80.55	69.27
3935	2.29	80.65	69.41
3937	2.30	80.89	69.55
3939	2.31	81.05	69.67
3941	2.30	81.24	69.79
3943	2.30	81.40	69.94
3945	2.30	81.54	70.08
3947	2.27	81.74	70.20
3949	2.30	81.93	70.37
3951	2.27	82.02	70.48
3953	2.28	82.21	70.61
3955	2.30	82.39	70.74
3957	2.28	82.58	70.86
3959	2.28	82.72	71.02
3961	2.29	82.98	71.15
3963	2.28	83.11	71.28
3965	2.30	83.23	71.43
3967	2.27	83.48	71.56
3969	2.31	83.53	71.70
3971	2.30	83.76	71.81
3973	2.27	83.92	72.00
3975	2.28	84.07	72.10
3977	2.27	84.25	72.25
3979	2.30	84.37	72.38
3981	2.32	84.55	72.51
3983	2.29	84.74	72.67
3985	2.32	84.85	72.79
3987	2.30	84.99	72.93
3989	2.29	85.23	73.07
3991	2.27	85.35	73.20
3993	2.28	85.60	73.36
3995	2.26	85.66	73.47
3997	2.27	85.84	73.58
3999	2.26	86.03	73.76
4001	2.27	86.13	73.89
4003	2.26	86.30	74.00
4005	2.27	86.51	74.17
4007	2.25	86.68	74.30
4009	2.26	86.83	74.43
4011	2.27	86.98	74.57
4013	2.27	87.06	74.74
4015	2.27	87.26	74.86
4017	2.29	87.47	75.03
4019	2.30	87.60	75.15
4021	2.27	87.78	75.28
4023	2.31	87.93	75.42
4025	2.28	88.12	75.58

4027	2.30	88.21	75.68
4029	2.30	88.41	75.86
4031	2.32	88.57	75.97
4033	2.29	88.75	76.11
4035	2.29	88.84	76.28
4037	2.28	89.10	76.41
4039	2.25	89.19	76.52
4041	2.27	89.30	76.68
4043	2.25	89.53	76.82
4045	2.28	89.65	76.93
4047	2.28	89.80	77.11
4049	2.30	89.97	77.31
4051	2.26	90.09	77.38
4053	2.22	90.31	77.51
4055	2.29	90.43	77.69
4057	2.25	90.65	77.83
4059	2.29	90.73	77.98
4061	2.26	90.89	78.13
4063	2.26	91.04	78.28
4065	2.27	91.24	78.43
4067	2.23	91.31	78.56
4069	2.29	91.48	78.72
4071	2.26	91.55	78.88
4073	2.23	91.85	78.99
4075	2.25	91.93	79.14
4077	2.22	92.03	79.29
4079	2.23	92.14	79.45
4081	2.24	92.34	79.58
4083	2.26	92.55	79.74
4085	2.25	92.65	79.89
4087	2.27	92.75	80.02
4089	2.23	92.97	80.17
4091	2.24	93.10	80.32
4093	2.26	93.27	80.47
4095	2.28	93.40	80.60
4097	2.28	93.53	80.74
4099	2.31	93.66	80.89
4101	2.26	93.78	81.04
4103	2.26	94.00	81.16
4105	2.23	94.11	81.33
4107	2.24	94.23	81.44
4109	2.25	94.37	81.60
4111	2.23	94.46	81.77
4113	2.26	94.69	81.87
4115	2.24	94.78	82.02
4117	2.25	94.83	82.14
4119	2.26	95.05	82.31

4121	2.26	95.18	82.44
4123	2.28	95.37	82.55
4125	2.29	95.49	82.71
4127	2.23	95.64	82.83
4129	2.23	95.73	82.97
4131	2.27	95.91	83.09
4133	2.23	96.03	83.20
4135	2.24	96.21	83.32
4137	2.21	96.37	83.46
4139	2.21	96.36	83.62
4141	2.25	96.54	83.73
4143	2.23	96.87	83.88
4145	2.22	96.82	83.98
4147	2.25	97.04	84.11
4149	2.25	97.18	84.28
4151	2.24	97.27	84.38
4153	2.25	97.44	84.51
4155	2.26	97.51	84.65
4157	2.25	97.73	84.80
4159	2.27	97.90	84.92
4161	2.25	97.96	85.04
4163	2.27	98.17	85.20
4165	2.25	98.17	85.33
4167	2.25	98.42	85.46
4169	2.24	98.50	85.57
4171	2.24	98.55	85.69
4173	2.23	98.78	85.82
4175	2.26	98.89	85.95
4177	2.26	98.97	86.06
4179	2.24	99.19	86.20
4181	2.24	99.29	86.34
4183	2.23	99.44	86.44
4185	2.25	99.61	86.59
4187	2.23	99.74	86.72
4189	2.25	99.90	86.85
4191	2.26	100.04	86.99
4193	2.25	100.21	87.12
4195	2.24	100.34	87.28
4197	2.23	100.50	87.41
4199	2.23	100.65	87.50
4201	2.25	100.81	87.63
4203	2.24	100.92	87.78
4205	2.24	101.11	87.94
4207	2.25	101.24	88.04
4209	2.25	101.40	88.17
4211	2.26	101.53	88.27
4213	2.27	101.71	88.42

4215	2.23	101.82	88.55
4217	2.21	102.00	88.67
4219	2.25	102.12	88.80
4221	2.26	102.26	88.93
4223	2.22	102.41	89.06
4225	2.25	102.58	89.21
4227	2.22	102.66	89.31
4229	2.19	102.84	89.47
4231	2.22	102.99	89.59
4233	2.22	103.14	89.71
4235	2.20	103.30	89.84
4237	2.25	103.43	89.98
4239	2.24	103.58	90.13
4241	2.20	103.71	90.27
4243	2.24	103.88	90.38
4245	2.24	104.00	90.51
4247	2.24	104.18	90.63
4249	2.23	104.29	90.76
4251	2.26	104.44	90.88
4253	2.24	104.60	91.01
4255	2.23	104.70	91.11
4257	2.25	104.85	91.26
4259	2.23	105.02	91.41
4261	2.23	105.11	91.55
4263	2.23	105.25	91.66
4265	2.22	105.37	91.81
4267	2.22	105.54	91.93
4269	2.21	105.66	92.07
4271	2.23	105.80	92.18
4273	2.23	105.94	92.33
4275	2.25	106.08	92.45
4277	2.22	106.22	92.59
4279	2.26	106.36	92.71
4281	2.24	106.51	92.85
4283	2.23	106.64	92.97
4285	2.23	106.75	93.10
4287	2.23	106.90	93.24
4289	2.23	107.07	93.36
4291	2.23	107.19	93.50
4293	2.25	107.34	93.59
4295	2.22	107.44	93.75
4297	2.25	107.57	93.84
4299	2.25	107.71	93.99
4301	2.22	107.80	94.10
4303	2.22	107.95	94.21
4305	2.25	108.08	94.34
4307	2.20	108.24	94.46

4309	2.22	108.37	94.57
4311	2.20	108.48	94.73
4313	2.20	108.61	94.82
4315	2.22	108.75	94.95
4317	2.22	108.88	95.09
4319	2.19	108.99	95.20
4321	2.22	109.13	95.33
4323	2.24	109.26	95.46
4325	2.22	109.40	95.58
4327	2.21	109.52	95.71
4329	2.25	109.64	95.86
4331	2.23	109.79	95.99
4333	2.20	109.90	96.08
4335	2.24	110.04	96.21
4337	2.21	110.18	96.35
4339	2.25	110.28	96.49
4341	2.21	110.43	96.61
4343	2.23	110.56	96.73
4345	2.24	110.65	96.86
4347	2.21	110.80	96.99
4349	2.23	110.90	97.09
4351	2.22	111.04	97.20
4353	2.22	111.17	97.36
4355	2.20	111.28	97.47
4357	2.20	111.42	97.60
4359	2.20	111.51	97.74
4361	2.17	111.65	97.84
4363	2.22	111.78	97.95
4365	2.21	111.89	98.06
4367	2.19	112.02	98.18
4369	2.19	112.13	98.31
4371	2.23	112.27	98.45
4373	2.21	112.38	98.57
4375	2.20	112.51	98.70
4377	2.20	112.66	98.80
4379	2.19	112.75	98.93
4381	2.17	112.88	99.06
4383	2.18	112.98	99.17
4385	2.20	113.12	99.28
4387	2.23	113.25	99.41
4389	2.22	113.37	99.53
4391	2.21	113.47	99.67
4393	2.19	113.58	99.79
4395	2.19	113.70	99.92
4397	2.22	113.84	100.03
4399	2.22	113.97	100.15
4401	2.20	114.04	100.27

4403	2.19	114.18	100.40
4405	2.20	114.30	100.54
4407	2.20	114.40	100.67
4409	2.20	114.55	100.78
4411	2.22	114.66	100.89
4413	2.21	114.75	101.01
4415	2.20	114.87	101.13
4417	2.23	114.97	101.25
4419	2.20	115.08	101.35
4421	2.19	115.22	101.49
4423	2.21	115.31	101.59
4425	2.17	115.41	101.71
4427	2.19	115.54	101.83
4429	2.23	115.63	101.94
4431	2.24	115.79	102.04
4433	2.19	115.91	102.19
4435	2.22	116.00	102.30
4437	2.21	116.12	102.45
4439	2.22	116.20	102.52
4441	2.22	116.34	102.66
4443	2.21	116.44	102.78
4445	2.18	116.55	102.90
4447	2.19	116.64	102.98
4449	2.19	116.78	103.12
4451	2.20	116.87	103.23
4453	2.21	116.97	103.35
4455	2.20	117.09	103.46
4457	2.20	117.22	103.58
4459	2.22	117.31	103.71
4461	2.23	117.43	103.84
4463	2.23	117.56	103.93
4465	2.19	117.61	104.08
4467	2.22	117.77	104.16
4469	2.21	117.85	104.25
4471	2.19	117.96	104.38
4473	2.17	118.05	104.48
4475	2.22	118.19	104.58
4477	2.17	118.28	104.70
4479	2.19	118.38	104.81
4481	2.20	118.48	104.92
4483	2.17	118.60	105.06
4485	2.16	118.71	105.18
4487	2.21	118.79	105.27
4489	2.16	118.93	105.40
4491	2.17	119.03	105.49
4493	2.23	119.13	105.62
4495	2.21	119.25	105.76

4497	2.19	119.31	105.86
4499	2.22	119.43	105.96
4501	2.20	119.49	106.08
4503	2.19	119.62	106.20
4505	2.19	119.73	106.31
4507	2.18	119.80	106.42
4509	2.19	119.93	106.51
4511	2.23	120.02	106.64
4513	2.21	120.12	106.74
4515	2.18	120.19	106.87
4517	2.18	120.33	106.95
4519	2.15	120.41	107.07
4521	2.17	120.50	107.18
4523	2.15	120.59	107.26
4525	2.18	120.70	107.40
4527	2.17	120.78	107.49
4529	2.21	120.90	107.64
4531	2.19	121.00	107.74
4533	2.20	121.09	107.84
4535	2.21	121.18	107.97
4537	2.19	121.27	108.03
4539	2.18	121.40	108.17
4541	2.20	121.49	108.27
4543	2.18	121.57	108.35
4545	2.14	121.65	108.45
4547	2.18	121.79	108.57
4549	2.21	121.84	108.65
4551	2.20	121.91	108.78
4553	2.21	122.04	108.92
4555	2.18	122.13	109.02
4557	2.18	122.24	109.10
4559	2.21	122.31	109.24
4561	2.17	122.42	109.31
4563	2.20	122.51	109.45
4565	2.21	122.62	109.52
4567	2.18	122.69	109.65
4569	2.19	122.79	109.74
4571	2.21	122.87	109.83
4573	2.17	122.98	109.95
4575	2.18	123.06	110.06
4577	2.19	123.15	110.18
4579	2.17	123.24	110.26
4581	2.17	123.31	110.38
4583	2.17	123.41	110.47
4585	2.17	123.50	110.58
4587	2.19	123.56	110.68
4589	2.18	123.68	110.79

4591	2.18	123.76	110.87
4593	2.18	123.86	111.00
4595	2.20	123.95	111.08
4597	2.19	124.04	111.20
4599	2.19	124.13	111.32
4601	2.21	124.23	111.45
4603	2.18	124.31	111.51
4605	2.19	124.38	111.60
4607	2.20	124.48	111.69
4609	2.19	124.54	111.80
4611	2.19	124.66	111.91
4613	2.18	124.73	111.99
4615	2.17	124.80	112.09
4617	2.17	124.89	112.22
4619	2.20	124.96	112.30
4621	2.17	125.06	112.37
4623	2.20	125.13	112.51
4625	2.19	125.22	112.63
4627	2.17	125.30	112.70
4629	2.15	125.37	112.81
4631	2.16	125.43	112.90
4633	2.14	125.55	112.99
4635	2.15	125.64	113.10
4637	2.16	125.74	113.18
4639	2.15	125.78	113.30
4641	2.19	125.87	113.38
4643	2.17	125.96	113.50
4645	2.16	126.05	113.57
4647	2.19	126.14	113.70
4649	2.18	126.19	113.78
4651	2.18	126.29	113.90
4653	2.19	126.45	113.99
4655	2.16	126.45	114.10
4657	2.21	126.51	114.17
4659	2.18	126.60	114.28
4661	2.18	126.66	114.37
4663	2.21	126.76	114.48
4665	2.20	126.85	114.55
4667	2.15	126.92	114.67
4669	2.19	127.00	114.77
4671	2.22	127.08	114.86
4673	2.21	127.17	114.97
4675	2.19	127.25	115.06
4677	2.17	127.32	115.14
4679	2.19	127.38	115.25
4681	2.19	127.45	115.35
4683	2.18	127.52	115.42

4685	2.19	127.61	115.55
4687	2.20	127.66	115.60
4689	2.19	127.77	115.71
4691	2.16	127.83	115.79
4693	2.15	127.90	115.91
4695	2.16	127.96	115.95
4697	2.17	128.05	116.09
4699	2.14	128.13	116.17
4701	2.15	128.19	116.26
4703	2.17	128.26	116.36
4705	2.20	128.35	116.44
4707	2.20	128.42	116.53
4709	2.18	128.52	116.65
4711	2.19	128.58	116.74
4713	2.17	128.68	116.82
4715	2.15	128.72	116.95
4717	2.19	128.78	117.02
4719	2.18	128.86	117.12
4721	2.22	128.95	117.21
4723	2.16	129.01	117.25
4725	2.19	129.09	117.36
4727	2.17	129.16	117.45
4729	2.18	129.21	117.54
4731	2.17	129.30	117.62
4733	2.16	129.36	117.73
4735	2.18	129.42	117.80
4737	2.17	129.49	117.92
4739	2.21	129.54	118.00
4741	2.17	129.63	118.07
4743	2.15	129.70	118.15
4745	2.18	129.78	118.23
4747	2.16	129.84	118.31
4749	2.15	129.92	118.40
4751	2.15	130.00	118.48
4753	2.15	130.04	118.55
4755	2.16	130.11	118.68
4757	2.18	130.18	118.76
4759	2.15	130.25	118.83
4761	2.17	130.34	118.91
4763	2.17	130.42	118.97
4765	2.15	130.47	119.10
4767	2.13	130.55	119.18
4769	2.19	130.60	119.25
4771	2.16	130.67	119.33
4773	2.13	130.73	119.45
4775	2.16	130.80	119.52
4777	2.17	130.88	119.61

4779	2.14	130.96	119.68
4781	2.20	131.02	119.79
4783	2.18	131.08	119.85
4785	2.18	131.13	119.94
4787	2.17	131.23	120.02
4789	2.19	131.28	120.10
4791	2.20	131.35	120.20
4793	2.19	131.40	120.29
4795	2.21	131.49	120.38
4797	2.19	131.53	120.47
4799	2.17	131.62	120.55
4801	2.19	131.67	120.62
4803	2.19	131.74	120.72
4805	2.16	131.78	120.77
4807	2.14	131.84	120.85
4809	2.16	131.92	120.93
4811	2.16	132.01	121.02
4813	2.14	132.04	121.07
4815	2.20	132.12	121.19
4817	2.16	132.19	121.27
4819	2.17	132.26	121.33
4821	2.15	132.34	121.43
4823	2.17	132.42	121.50
4825	2.19	132.46	121.58
4827	2.18	132.54	121.69
4829	2.17	132.58	121.74
4831	2.13	132.66	121.81
4833	2.19	132.72	121.92
4835	2.17	132.81	122.03
4837	2.17	132.84	122.07
4839	2.17	132.96	122.18
4841	2.16	133.00	122.24
4843	2.21	133.04	122.34
4845	2.20	133.11	122.41
4847	2.18	133.17	122.49
4849	2.18	133.25	122.59
4851	2.19	133.32	122.67
4853	2.18	133.36	122.73
4855	2.18	133.41	122.81
4857	2.17	133.47	122.90
4859	2.16	133.53	122.96
4861	2.20	133.60	123.05
4863	2.20	133.63	123.10
4865	2.18	133.72	123.18
4867	2.19	133.76	123.27
4869	2.18	133.82	123.35
4871	2.18	133.90	123.42

4873	2.18	133.97	123.47
4875	2.16	134.01	123.58
4877	2.18	134.07	123.65
4879	2.21	134.13	123.75
4881	2.16	134.19	123.82
4883	2.19	134.25	123.90
4885	2.17	134.29	123.97
4887	2.17	134.36	124.03
4889	2.15	134.44	124.10
4891	2.21	134.47	124.20
4893	2.18	134.58	124.25
4895	2.19	134.60	124.34
4897	2.19	134.64	124.41
4899	2.18	134.72	124.49
4901	2.18	134.77	124.55
4903	2.16	134.83	124.62
4905	2.18	134.88	124.69
4907	2.18	134.94	124.76
4909	2.17	134.99	124.85
4911	2.20	135.07	124.93
4913	2.17	135.11	125.02
4915	2.18	135.19	125.07
4917	2.18	135.23	125.14
4919	2.11	135.25	125.22
4921	2.17	135.30	125.29
4923	2.17	135.41	125.37
4925	2.14	135.44	125.45
4927	2.15	135.50	125.52
4929	2.16	135.52	125.56
4931	2.16	135.59	125.67
4933	2.15	135.65	125.70
4935	2.16	135.69	125.82
4937	2.14	135.77	125.87
4939	2.15	135.80	125.95
4941	2.17	135.86	126.02
4943	2.16	135.94	126.10
4945	2.17	135.97	126.16
4947	2.15	136.03	126.24
4949	2.13	136.11	126.27
4951	2.14	136.14	126.39
4953	2.14	136.19	126.45
4955	2.16	136.23	126.52
4957	2.17	136.30	126.59
4959	2.16	136.37	126.65
4961	2.18	136.39	126.75
4963	2.17	136.44	126.83
4965	2.17	136.49	126.88

4967	2.17	136.55	126.91
4969	2.15	136.60	127.00
4971	2.12	136.64	127.09
4973	2.18	136.69	127.17
4975	2.20	136.76	127.23
4977	2.16	136.78	127.28
4979	2.15	136.83	127.36
4981	2.17	136.87	127.45
4983	2.16	136.95	127.49
4985	2.17	136.98	127.58
4987	2.17	137.04	127.66
4989	2.19	137.09	127.71
4991	2.12	137.16	127.77
4993	2.18	137.17	127.85
4995	2.17	137.24	127.91
4997	2.16	137.29	127.95
4999	2.18	137.37	128.06
5001	2.17	137.39	128.10
5003	2.15	137.46	128.17
5005	2.17	137.48	128.23
5007	2.17	137.54	128.31
5009	2.15	137.60	128.38
5011	2.13	137.64	128.43
5013	2.15	137.70	128.50
5015	2.16	137.73	128.58
5017	2.16	137.80	128.64
5019	2.15	137.85	128.71
5021	2.16	137.89	128.80
5023	2.15	137.92	128.86
5025	2.18	137.97	128.93
5027	2.17	138.00	128.99
5029	2.16	138.06	129.08
5031	2.18	138.07	129.14
5033	2.19	138.11	129.18
5035	2.14	138.14	129.21
5037	2.15	138.20	129.28
5039	2.14	138.24	129.33
5041	2.13	138.28	129.45
5043	2.16	138.35	129.50
5045	2.16	138.35	129.57
5047	2.17	138.42	129.62
5049	2.18	138.48	129.69
5051	2.14	138.51	129.76
5053	2.13	138.56	129.82
5055	2.16	138.58	129.91
5057	2.17	138.63	129.99
5059	2.16	138.68	130.02

5061	2.17	138.72	130.10
5063	2.17	138.75	130.16
5065	2.16	138.79	130.25
5067	2.20	138.85	130.29
5069	2.16	138.88	130.37
5071	2.17	138.92	130.43
5073	2.17	138.97	130.50
5075	2.20	139.02	130.56
5077	2.18	139.05	130.60
5079	2.19	139.10	130.69
5081	2.18	139.11	130.71
5083	2.20	139.16	130.79
5085	2.18	139.17	130.85
5087	2.19	139.24	130.89
5089	2.16	139.25	130.98
5091	2.16	139.31	130.99
5093	2.19	139.32	131.05
5095	2.16	139.37	131.11
5097	2.17	139.41	131.18
5099	2.15	139.45	131.25
5101	2.13	139.47	131.32
5103	2.14	139.50	131.35
5105	2.16	139.54	131.43
5107	2.14	139.58	131.49
5109	2.16	139.61	131.53
5111	2.15	139.67	131.62
5113	2.15	139.69	131.67
5115	2.16	139.75	131.74
5117	2.16	139.79	131.79
5119	2.18	139.84	131.86
5121	2.18	139.86	131.92
5123	2.18	139.88	131.97
5125	2.17	139.94	132.05
5127	2.19	139.99	132.11
5129	2.18	140.03	132.17
5131	2.19	140.05	132.21
5133	2.15	140.11	132.26
5135	2.17	140.14	132.33
5137	2.19	140.17	132.39
5139	2.16	140.20	132.41
5141	2.16	140.29	132.50
5143	2.14	140.30	132.55
5145	2.18	140.34	132.61
5147	2.18	140.41	132.67
5149	2.17	140.43	132.76
5151	2.15	140.45	132.80
5153	2.17	140.52	132.87

5155	2.19	140.54	132.93
5157	2.17	140.57	132.97
5159	2.17	140.62	133.03
5161	2.15	140.65	133.11
5163	2.21	140.75	133.14
5165	2.17	140.81	133.22
5167	2.16	140.87	133.26
5169	2.19	140.90	133.29
5171	2.16	140.96	133.37
5173	2.15	141.00	133.42
5175	2.14	141.08	133.46
5177	2.13	141.11	133.53
5179	2.12	141.17	133.58
5181	2.15	141.22	133.62
5183	2.15	141.31	133.68
5185	2.15	141.33	133.70
5187	2.19	141.38	133.79
5189	2.16	141.42	133.83
5191	2.14	141.47	133.92
5193	2.18	141.52	133.95
5195	2.19	141.51	134.00
5197	2.15	141.59	134.07
5199	2.20	141.62	134.13
5201	2.14	141.66	134.21
5203	2.13	141.72	134.24
5205	2.17	141.77	134.32
5207	2.16	141.80	134.36
5209	2.17	141.84	134.41
5211	2.17	141.85	134.46
5213	2.14	141.89	134.54
5215	2.12	141.93	134.58
5217	2.15	141.95	134.65
5219	2.14	141.94	134.68
5221	2.16	142.01	134.75
5223	2.13	142.02	134.81
5225	2.14	142.07	134.86
5227	2.15	142.11	134.92
5229	2.16	142.15	134.97
5231	2.17	142.18	135.01
5233	2.10	142.19	135.05
5235	2.14	142.24	135.12
5237	2.18	142.30	135.20
5239	2.20	142.32	135.24
5241	2.17	142.36	135.30
5243	2.16	142.39	135.36
5245	2.16	142.43	135.39
5247	2.18	142.48	135.45

5249	2.18	142.52	135.50
5251	2.18	142.55	135.53
5253	2.17	142.55	135.60
5255	2.15	142.61	135.66
5257	2.17	142.66	135.72
5259	2.18	142.69	135.77
5261	2.16	142.74	135.81
5263	2.15	142.76	135.85
5265	2.17	142.82	135.92
5267	2.18	142.84	135.96
5269	2.12	142.87	136.02
5271	2.15	142.94	136.04
5273	2.14	142.98	136.10
5275	2.15	143.01	136.13
5277	2.16	143.07	136.20
5279	2.18	143.09	136.24
5281	2.17	143.14	136.29
5283	2.18	143.21	136.37
5285	2.18	143.23	136.42
5287	2.17	143.26	136.47
5289	2.15	143.30	136.52
5291	2.17	143.34	136.57
5293	2.16	143.36	136.60
5295	2.18	143.42	136.67
5297	2.17	143.47	136.74
5299	2.15	143.51	136.77
5301	2.15	143.52	136.82
5303	2.19	143.57	136.88
5305	2.15	143.61	136.92
5307	2.13	143.64	136.97
5309	2.12	143.65	137.04
5311	2.14	143.70	137.10
5313	2.15	143.74	137.13
5315	2.20	143.80	137.18
5317	2.17	143.85	137.22
5319	2.15	143.90	137.27
5321	2.20	143.93	137.31
5323	2.17	143.96	137.37
5325	2.17	143.99	137.44
5327	2.17	144.04	137.47
5329	2.19	144.09	137.49
5331	2.18	144.11	137.57
5333	2.15	144.15	137.62
5335	2.14	144.17	137.67
5337	2.19	144.22	137.73
5339	2.14	144.24	137.78
5341	2.16	144.28	137.82

5343	2.16	144.30	137.88
5345	2.15	144.36	137.94
5347	2.14	144.38	138.00
5349	2.17	144.42	138.02
5351	2.13	144.44	138.06
5353	2.16	144.49	138.08
5355	2.16	144.50	138.14
5357	2.12	144.56	138.19
5359	2.14	144.59	138.27
5361	2.16	144.64	138.31
5363	2.15	144.65	138.32
5365	2.12	144.70	138.38
5367	2.12	144.73	138.41
5369	2.13	144.74	138.45
5371	2.15	144.78	138.48
5373	2.15	144.84	138.59
5375	2.14	144.82	138.60
5377	2.17	144.84	138.65
5379	2.16	144.85	138.67
5381	2.16	144.87	138.72
5383	2.16	144.89	138.79
5385	2.16	144.92	138.84
5387	2.14	144.93	138.87
5389	2.17	144.95	138.94
5391	2.16	145.02	138.95
5393	2.16	145.02	139.02
5395	2.17	145.05	139.11
5397	2.15	145.08	139.16
5399	2.17	145.11	139.20
5401	2.16	145.15	139.25
5403	2.17	145.18	139.32
5405	2.14	145.18	139.34
5407	2.17	145.23	139.38
5409	2.15	145.20	139.43
5411	2.15	145.21	139.46
5413	2.15	145.26	139.52
5415	2.14	145.28	139.58
5417	2.16	145.30	139.60
5419	2.15	145.36	139.64
5421	2.18	145.36	139.71
5423	2.16	145.40	139.73
5425	2.20	145.45	139.78
5427	2.18	145.47	139.82
5429	2.15	145.49	139.85
5431	2.16	145.53	139.89
5433	2.16	145.56	139.96
5435	2.13	145.59	140.00

5437	2.14	145.62	140.03
5439	2.15	145.64	140.09
5441	2.14	145.67	140.09
5443	2.16	145.71	140.17
5445	2.14	145.73	140.20
5447	2.14	145.76	140.22
5449	2.17	145.77	140.28
5451	2.13	145.83	140.32
5453	2.15	145.83	140.36
5455	2.17	145.87	140.39
5457	2.15	145.88	140.43
5459	2.13	145.91	140.50
5461	2.13	145.94	140.52
5463	2.15	145.97	140.58
5465	2.15	145.95	140.61
5467	2.17	145.98	140.65
5469	2.14	145.98	140.72
5471	2.12	146.00	140.76
5473	2.16	146.00	140.80
5475	2.15	146.04	140.86
5477	2.16	146.06	140.88
5479	2.20	146.07	140.95
5481	2.18	146.10	140.99
5483	2.16	146.11	141.02
5485	2.19	146.17	141.10
5487	2.14	146.18	141.12
5489	2.15	146.23	141.16
5491	2.17	146.24	141.21
5493	2.17	145.91	141.23
5495	2.16	145.74	141.26
5497	2.15	145.29	141.29
5499	2.15	144.87	141.34
5501	2.16	144.45	141.38
5503	2.12	144.02	141.39
5505	2.14	143.53	141.43
5507	2.18	143.11	141.49
5509	2.16	142.66	141.48
5511	2.14	142.27	141.52
5513	2.14	141.93	141.52
5515	2.21	141.58	141.57
5517	2.11	141.31	141.60
5519	2.19	141.06	141.59
5521	2.15	140.85	141.64
5523	2.18	140.72	141.64
5525	2.17	140.62	141.67
5527	2.16	140.57	141.68
5529	2.15	140.51	141.71

5531	2.17	140.51	141.73
5533	2.19	140.43	141.74
5535	2.16	140.44	141.74
5537	2.15	140.34	141.79
5539	2.17	140.34	141.77
5541	2.12	140.29	141.80
5543	2.15	140.29	141.81
5545	2.14	140.24	141.84
5547	2.16	140.21	141.83
5549	2.15	140.18	141.88
5551	2.14	140.19	141.86
5553	2.13	140.17	141.92
5555	2.15	140.17	141.93
5557	2.14	140.15	141.92
5559	2.13	140.14	141.97
5561	2.16	140.13	141.99
5563	2.14	140.09	141.98
5565	2.14	140.10	142.00
5567	2.16	140.08	142.04
5569	2.18	140.07	142.07
5571	2.13	140.05	142.08
5573	2.17	140.07	142.09
5575	2.18	140.04	142.11
5577	2.15	140.02	142.12
5579	2.17	140.03	142.13
5581	2.14	140.03	142.16
5583	2.15	140.01	142.15
5585	2.13	140.00	142.17
5587	2.15	139.99	142.19
5589	2.16	139.99	142.23
5591	2.17	139.97	142.24
5593	2.18	139.95	142.24
5595	2.17	139.94	142.26
5597	2.17	139.95	142.28
5599	2.16	139.95	142.30
5601	2.14	139.92	142.29
5603	2.13	139.95	142.32
5605	2.18	139.92	142.35
5607	2.12	139.89	142.33
5609	2.15	139.91	142.35
5611	2.16	139.88	142.37
5613	2.11	139.87	142.35
5615	2.14	139.88	142.39
5617	2.12	139.89	142.41
5619	2.15	139.90	142.43
5621	2.17	139.86	142.43
5623	2.17	139.87	142.46

5625	2.14	139.87	142.48
5627	2.21	139.85	142.46
5629	2.12	139.85	142.50
5631	2.16	139.85	142.53
5633	2.14	139.87	142.53
5635	2.16	139.84	142.53
5637	2.17	139.84	142.55
5639	2.13	139.83	142.55
5641	2.12	139.83	142.55
5643	2.11	139.82	142.62
5645	2.14	139.82	142.62
5647	2.09	139.81	142.61
5649	2.16	139.80	142.63
5651	2.11	139.82	142.63
5653	2.13	139.78	142.64
5655	2.18	139.80	142.68
5657	2.13	139.80	142.71
5659	2.13	139.78	142.70
5661	2.15	139.78	142.71
5663	2.12	139.78	142.72
5665	2.15	139.77	142.71
5667	2.14	139.77	142.75
5669	2.17	139.76	142.78
5671	2.12	139.78	142.78
5673	2.16	139.77	142.82
5675	2.16	139.77	142.82
5677	2.13	139.75	142.83
5679	2.17	139.76	142.83
5681	2.16	139.76	142.84
5683	2.17	139.77	142.84
5685	2.15	139.73	142.86
5687	2.17	139.73	142.87
5689	2.16	139.75	142.89
5691	2.16	139.72	142.87
5693	2.17	139.72	142.89
5695	2.18	139.72	142.90
5697	2.15	139.74	142.92
5699	2.15	139.70	142.90
5701	2.11	139.69	142.95
5703	2.15	139.70	142.93
5705	2.13	139.69	142.96
5707	2.14	139.67	142.95
5709	2.12	139.68	142.97
5711	2.13	139.67	142.99
5713	2.13	139.66	143.00
5715	2.15	139.65	143.00
5717	2.14	139.67	143.01

5719	2.13	139.65	143.04
5721	2.15	139.65	143.06
5723	2.12	139.65	143.05
5725	2.14	139.66	143.09
5727	2.15	139.65	143.11
5729	2.16	139.64	143.13
5731	2.13	139.64	143.13
5733	2.17	139.66	143.13
5735	2.16	139.65	143.14
5737	2.17	139.63	143.16
5739	2.15	139.65	143.17
5741	2.14	139.64	143.13
5743	2.15	139.62	143.16
5745	2.13	139.63	143.16
5747	2.13	139.62	143.18
5749	2.14	139.60	143.20
5751	2.14	139.61	143.22
5753	2.12	139.59	143.23
5755	2.14	139.60	143.25
5757	2.17	139.57	143.23
5759	2.16	139.60	143.26
5761	2.14	139.60	143.24
5763	2.15	139.59	143.27
5765	2.16	139.58	143.28
5767	2.15	139.57	143.28
5769	2.16	139.57	143.28
5771	2.13	139.57	143.32
5773	2.18	139.58	143.34
5775	2.17	139.57	143.32
5777	2.18	139.56	143.34
5779	2.17	139.55	143.36
5781	2.14	139.55	143.35
5783	2.17	139.55	143.37
5785	2.13	139.53	143.36
5787	2.15	139.56	143.36
5789	2.13	139.55	143.39
5791	2.11	139.50	143.38
5793	2.12	139.52	143.39
5795	2.16	139.54	143.40
5797	2.14	139.51	143.42
5799	2.15	139.50	143.43
5801	2.16	139.53	143.44
5803	2.15	139.48	143.46
5805	2.17	139.52	143.46
5807	2.18	139.51	143.48
5809	2.13	139.50	143.48
5811	2.15	139.49	143.47

5813	2.14	139.51	143.51
5815	2.11	139.46	143.53
5817	2.13	139.47	143.53
5819	2.13	139.47	143.51
5821	2.15	139.49	143.52
5823	2.12	139.47	143.52
5825	2.15	139.45	143.55
5827	2.14	139.46	143.55
5829	2.11	139.44	143.55
5831	2.13	139.47	143.57
5833	2.12	139.46	143.55
5835	2.14	139.45	143.59
5837	2.14	139.44	143.60
5839	2.15	139.44	143.61
5841	2.13	139.46	143.60
5843	2.14	139.43	143.63
5845	2.14	139.43	143.64
5847	2.15	139.43	143.63
5849	2.15	139.44	143.66
5851	2.11	139.43	143.66
5853	2.15	139.42	143.65
5855	2.13	139.43	143.71
5857	2.15	139.40	143.67
5859	2.13	139.40	143.67
5861	2.13	139.39	143.69
5863	2.15	139.40	143.69
5865	2.14	139.39	143.70
5867	2.10	139.39	143.71
5869	2.12	139.41	143.71
5871	2.14	139.39	143.74
5873	2.14	139.40	143.73
5875	2.13	139.38	143.75
5877	2.13	139.38	143.76
5879	2.15	139.39	143.78
5881	2.14	139.37	143.76
5883	2.10	139.38	143.78
5885	2.13	139.39	143.81
5887	2.16	139.36	143.80
5889	2.12	139.37	143.79
5891	2.14	139.38	143.84
5893	2.13	139.35	143.83
5895	2.14	139.32	143.85
5897	2.14	139.35	143.83
5899	2.15	139.33	143.85
5901	2.11	139.33	143.85
5903	2.14	139.33	143.88
5905	2.12	139.33	143.87

5907	2.12	139.32	143.88
5909	2.12	139.33	143.87
5911	2.14	139.32	143.91
5913	2.15	139.32	143.91
5915	2.12	139.29	143.90
5917	2.12	139.31	143.91
5919	2.15	139.32	143.93
5921	2.16	139.30	143.94
5923	2.12	139.31	143.94
5925	2.14	139.31	143.93
5927	2.11	139.28	143.95
5929	2.14	139.28	143.96
5931	2.15	139.30	143.95
5933	2.10	139.28	143.99
5935	2.14	139.26	143.98
5937	2.08	139.28	143.95
5939	2.09	139.27	143.99
5941	2.13	139.28	144.00
5943	2.13	139.28	144.00
5945	2.10	139.25	144.00
5947	2.13	139.27	144.05
5949	2.09	139.26	144.02
5951	2.15	139.25	144.01
5953	2.14	139.26	144.01
5955	2.14	139.24	144.05
5957	2.12	139.25	144.06
5959	2.19	139.29	144.05
5961	2.14	139.26	144.07
5963	2.09	139.23	144.05
5965	2.10	139.24	144.07
5967	2.13	139.25	144.09
5969	2.13	139.23	144.09
5971	2.13	139.25	144.08
5973	2.11	139.23	144.09
5975	2.15	139.22	144.09
5977	2.14	139.24	144.12
5979	2.13	139.22	144.08
5981	2.15	139.22	144.12
5983	2.15	139.21	144.11
5985	2.12	139.18	144.12
5987	2.13	139.19	144.14
5989	2.13	139.21	144.16
5991	2.10	139.19	144.13
5993	2.11	139.19	144.12
5995	2.12	139.18	144.14
5997	2.12	139.16	144.15
5999	2.12	139.18	144.17

6001	2.14	139.16	144.16
6003	2.12	139.19	144.12
6005	2.14	139.17	144.15
6007	2.10	139.17	144.16
6009	2.15	139.16	144.17
6011	2.14	139.15	144.16
6013	2.09	139.16	144.21
6015	2.11	139.14	144.20
6017	2.09	139.17	144.20
6019	2.09	139.16	144.20
6021	2.11	139.14	144.22
6023	2.12	139.15	144.19
6025	2.13	139.16	144.23
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6029	2.13	139.16	144.25
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6035	2.17	139.16	144.25
6037	2.11	139.13	144.24
6039	2.13	139.14	144.24
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6043	2.15	139.15	144.28
6045	2.15	139.14	144.27
6047	2.09	139.12	144.26
6049	2.11	139.15	144.27
6051	2.15	139.15	144.28
6053	2.13	139.13	144.30
6055	2.13	139.13	144.29
6057	2.10	139.12	144.29
6059	2.14	139.14	144.30
6061	2.13	139.11	144.32
6063	2.14	139.10	144.31
6065	2.10	139.09	144.33
6067	2.12	139.11	144.32
6069	2.14	139.10	144.33
6071	2.12	139.12	144.33
6073	2.11	139.13	144.35
6075	2.13	139.10	144.36
6077	2.08	139.12	144.35
6079	2.15	139.11	144.34
6081	2.13	139.10	144.34
6083	2.15	139.11	144.35
6085	2.11	139.09	144.38
6087	2.14	139.10	144.38
6089	2.15	139.10	144.37
6091	2.13	139.12	144.40
6093	2.13	139.10	144.39

6095	2.13	139.07	144.39
6097	2.13	139.08	144.40
6099	2.14	139.08	144.40
6101	2.13	139.07	144.40
6103	2.11	139.08	144.41
6105	2.11	139.06	144.41
6107	2.11	139.06	144.39
6109	2.09	139.05	144.42
6111	2.07	139.07	144.42
6113	2.09	139.07	144.43
6115	2.09	139.06	144.42
6117	2.11	139.05	144.43
6119	2.17	139.07	144.45
6121	2.12	139.06	144.45
6123	2.16	139.05	144.44
6125	2.13	139.06	144.47
6127	2.16	139.05	144.46
6129	2.12	139.07	144.47
6131	2.12	139.07	144.47
6133	2.11	139.06	144.50
6135	2.12	139.05	144.48
6137	2.10	139.02	144.47
6139	2.10	139.04	144.48
6141	2.10	139.05	144.48
6143	2.10	139.04	144.48
6145	2.11	139.04	144.49
6147	2.12	139.04	144.48
6149	2.10	139.04	144.47
6151	2.11	139.05	144.51
6153	2.14	139.05	144.52
6155	2.11	139.05	144.53
6157	2.13	139.04	144.55
6159	2.13	139.05	144.54
6161	2.11	139.04	144.51
6163	2.12	139.04	144.54
6165	2.15	139.03	144.57
6167	2.13	139.03	144.55
6169	2.13	139.01	144.55
6171	2.11	139.02	144.52
6173	2.10	139.03	144.55
6175	2.12	138.99	144.54
6177	2.10	139.01	144.53
6179	2.08	139.03	144.55
6181	2.13	139.01	144.55
6183	2.10	139.01	144.57
6185	2.10	139.02	144.59
6187	2.13	139.01	144.57

6189	2.12	139.01	144.59
6191	2.11	139.04	144.61
6193	2.09	139.02	144.62
6195	2.14	139.03	144.62
6197	2.16	139.01	144.61
6199	2.13	139.00	144.62
6201	2.08	139.02	144.59
6203	2.11	138.99	144.60
6205	2.12	138.99	144.64
6207	2.11	139.01	144.63
6209	2.12	138.98	144.65
6211	2.10	138.98	144.62
6213	2.13	139.00	144.61
6215	2.12	139.01	144.63
6217	2.09	138.98	144.60
6219	2.12	138.98	144.61
6221	2.08	138.98	144.60
6223	2.09	138.99	144.62
6225	2.10	138.97	144.64
6227	2.10	138.98	144.63
6229	2.11	139.00	144.63
6231	2.12	138.99	144.64
6233	2.12	138.98	144.66
6235	2.15	138.98	144.68
6237	2.14	138.97	144.67
6239	2.11	139.00	144.68
6241	2.13	138.98	144.68
6243	2.12	138.98	144.67
6245	2.15	138.99	144.69
6247	2.13	138.99	144.67
6249	2.11	138.97	144.68
6251	2.13	138.96	144.71
6253	2.09	138.96	144.67
6255	2.11	139.00	144.71
6257	2.11	138.97	144.69
6259	2.09	138.95	144.71
6261	2.12	138.94	144.69
6263	2.08	138.96	144.69
6265	2.11	138.96	144.71
6267	2.11	138.95	144.68
6269	2.10	138.97	144.70
6271	2.09	138.94	144.70
6273	2.06	138.98	144.67
6275	2.14	138.95	144.70
6277	2.11	138.96	144.72
6279	2.06	138.96	144.73
6281	2.13	138.98	144.73

6283	2.13	138.98	144.71
6285	2.12	138.95	144.76
6287	2.12	138.96	144.76
6289	2.12	138.96	144.73
6291	2.13	138.95	144.76
6293	2.07	138.93	144.74
6295	2.10	138.93	144.75
6297	2.11	138.94	144.75
6299	2.11	138.95	144.75
6301	2.13	138.96	144.73
6303	2.10	138.92	144.75
6305	2.09	138.94	144.75
6307	2.13	138.93	144.75
6309	2.07	138.93	144.76
6311	2.11	138.94	144.77
6313	2.10	138.94	144.77
6315	2.10	138.94	144.73
6317	2.09	138.91	144.77
6319	2.09	138.91	144.75
6321	2.11	138.91	144.77
6323	2.12	138.92	144.77
6325	2.08	138.90	144.77
6327	2.09	138.91	144.78
6329	2.08	138.93	144.79
6331	2.09	138.91	144.83
6333	2.08	138.92	144.78
6335	2.09	138.92	144.78
6337	2.11	138.90	144.78
6339	2.11	138.92	144.79
6341	2.06	138.92	144.80
6343	2.09	138.92	144.79
6345	2.08	138.90	144.82
6347	2.07	138.91	144.81
6349	2.09	138.90	144.80
6351	2.08	138.90	144.80
6353	2.09	138.90	144.80
6355	2.09	138.90	144.82
6357	2.10	138.88	144.79
6359	2.06	138.89	144.83
6361	2.10	138.89	144.84
6363	2.09	138.88	144.81
6365	2.11	138.89	144.84
6367	2.11	138.91	144.87
6369	2.10	138.88	144.81
6371	2.10	138.89	144.84
6373	2.11	138.91	144.85
6375	2.08	138.87	144.87

6377	2.12	138.88	144.85
6379	2.12	138.92	144.86
6381	2.09	138.88	144.86
6383	2.11	138.88	144.86
6385	2.12	138.90	144.86
6387	2.10	138.89	144.85
6389	2.15	138.89	144.85
6391	2.07	138.88	144.86
6393	2.06	138.88	144.87
6395	2.10	138.87	144.88
6397	2.10	138.89	144.85
6399	2.09	138.87	144.86
6401	2.08	138.87	144.88
6403	2.10	138.86	144.86
6405	2.12	138.87	144.85
6407	2.10	138.85	144.90
6409	2.13	138.89	144.89
6411	2.12	138.87	144.90
6413	2.11	138.86	144.89
6415	2.12	138.87	144.89
6417	2.10	138.86	144.90
6419	2.11	138.87	144.89
6421	2.11	138.86	144.89
6423	2.09	138.84	144.91
6425	2.11	138.86	144.89
6427	2.11	138.85	144.91
6429	2.11	138.87	144.90
6431	2.09	138.84	144.90
6433	2.09	138.87	144.90
6435	2.09	138.83	144.93
6437	2.09	138.84	144.93
6439	2.07	138.87	144.93
6441	2.13	138.84	144.92
6443	2.05	138.85	144.88
6445	2.10	138.86	144.95
6447	2.09	138.84	144.91
6449	2.11	138.85	144.93
6451	2.10	138.83	144.93
6453	2.07	138.83	144.93
6455	2.05	138.82	144.92
6457	2.10	138.83	144.92
6459	2.12	138.85	144.93
6461	2.12	138.84	144.95
6463	2.11	138.85	144.95
6465	2.10	138.83	144.92
6467	2.11	138.81	144.95
6469	2.10	138.83	144.96

6471	2.10	138.84	144.96
6473	2.10	138.85	144.92
6475	2.10	138.83	144.95
6477	2.07	138.85	144.96
6479	2.10	138.81	144.94
6481	2.12	138.80	144.97
6483	2.09	138.81	144.95
6485	2.08	138.85	144.96
6487	2.09	138.82	144.95
6489	2.09	138.81	144.98
6491	2.11	138.81	144.97
6493	2.09	138.80	144.97
6495	2.09	138.81	144.98
6497	2.08	138.80	144.98
6499	2.09	138.80	144.98
6501	2.09	138.82	144.98
6503	2.10	138.80	144.97
6505	2.09	138.79	144.99
6507	2.11	138.79	144.98
6509	2.09	138.80	144.96
6511	2.11	138.80	144.96
6513	2.08	138.79	144.97
6515	2.09	138.80	144.97
6517	2.09	138.79	144.98
6519	2.10	138.80	145.00
6521	2.08	138.77	144.97
6523	2.07	138.81	145.01
6525	2.09	138.79	145.02
6527	2.09	138.79	144.98
6529	2.08	138.80	145.00
6531	2.09	138.79	145.01
6533	2.14	138.79	145.01
6535	2.13	138.79	145.04
6537	2.12	138.80	145.00
6539	2.12	138.79	145.01
6541	2.10	138.78	145.02
6543	2.11	138.79	145.03
6545	2.11	138.79	145.03
6547	2.09	138.79	145.03
6549	2.08	138.78	145.00
6551	2.11	138.81	145.02
6553	2.13	138.79	145.03
6555	2.08	138.80	145.03
6557	2.09	138.79	145.01
6559	2.11	138.77	145.04
6561	2.08	138.77	145.01
6563	2.10	138.77	145.04

6565	2.07	138.78	145.03
6567	2.09	138.76	145.03
6569	2.12	138.77	145.02
6571	2.09	138.76	145.03
6573	2.09	138.79	145.04
6575	2.09	138.75	145.03
6577	2.09	138.77	145.03
6579	2.08	138.75	145.03
6581	2.07	138.75	145.03
6583	2.09	138.75	145.02
6585	2.08	138.74	145.05
6587	2.11	138.77	145.05
6589	2.09	138.76	145.04
6591	2.13	138.73	145.05
6593	2.10	138.75	145.06
6595	2.08	138.75	145.05
6597	2.12	138.75	145.08
6599	2.13	138.74	145.04
6601	2.11	138.74	145.06
6603	2.14	138.73	145.05
6605	2.08	138.72	145.08
6607	2.11	138.74	145.06
6609	2.11	138.75	145.05
6611	2.11	138.72	145.08
6613	2.11	138.75	145.06
6615	2.08	138.74	145.08
6617	2.08	138.71	145.04
6619	2.12	138.73	145.07
6621	2.09	138.73	145.07
6623	2.08	138.71	145.07
6625	2.07	138.74	145.06
6627	2.10	138.71	145.06
6629	2.06	138.73	145.05
6631	2.07	138.72	145.07
6633	2.06	138.73	145.08
6635	2.10	138.72	145.07
6637	2.06	138.70	145.08
6639	2.07	138.71	145.08
6641	2.10	138.70	145.08
6643	2.13	138.73	145.11
6645	2.08	138.71	145.10
6647	2.11	138.73	145.06
6649	2.09	138.73	145.08
6651	2.12	138.73	145.06
6653	2.11	138.70	145.10
6655	2.10	138.71	145.11
6657	2.11	138.72	145.10

6659	2.09	138.71	145.08
6661	2.05	138.70	145.10
6663	2.08	138.71	145.09
6665	2.08	138.72	145.06
6667	2.06	138.69	145.10
6669	2.11	138.69	145.08
6671	2.07	138.69	145.08
6673	2.07	138.69	145.09
6675	2.10	138.72	145.10
6677	2.07	138.68	145.10
6679	2.10	138.69	145.09
6681	2.05	138.68	145.10
6683	2.09	138.69	145.09
6685	2.09	138.69	145.09
6687	2.06	138.71	145.12
6689	2.10	138.69	145.09
6691	2.09	138.70	145.10
6693	2.09	138.68	145.10
6695	2.13	138.70	145.10
6697	2.13	138.70	145.09
6699	2.11	138.68	145.11
6701	2.09	138.68	145.10
6703	2.11	138.67	145.13
6705	2.10	138.68	145.11
6707	2.09	138.67	145.14
6709	2.12	138.67	145.12
6711	2.06	138.67	145.11
6713	2.10	138.67	145.10
6715	2.10	138.70	145.11
6717	2.11	138.68	145.13
6719	2.08	138.67	145.10
6721	2.10	138.67	145.12
6723	2.10	138.66	145.10
6725	2.10	138.67	145.13
6727	2.15	138.67	145.12
6729	2.10	138.66	145.11
6731	2.12	138.64	145.14
6733	2.11	138.68	145.13
6735	2.10	138.65	145.15
6737	2.12	138.66	145.13
6739	2.09	138.67	145.13
6741	2.10	138.64	145.11
6743	2.11	138.66	145.14
6745	2.08	138.65	145.11
6747	2.11	138.65	145.13
6749	2.11	138.65	145.12
6751	2.09	138.63	145.11

6753	2.10	138.64	145.11
6755	2.05	138.64	145.14
6757	2.08	138.62	145.10
6759	2.08	138.61	145.13
6761	2.05	138.63	145.13
6763	2.06	138.62	145.11
6765	2.07	138.62	145.15
6767	2.08	138.61	145.13
6769	2.06	138.63	145.10
6771	2.09	138.62	145.15
6773	2.05	138.62	145.14
6775	2.08	138.63	145.14
6777	2.10	138.64	145.13
6779	2.09	138.63	145.12
6781	2.09	138.61	145.13
6783	2.07	138.62	145.14
6785	2.09	138.62	145.14
6787	2.15	138.63	145.17
6789	2.10	138.64	145.15
6791	2.11	138.58	145.12
6793	2.10	138.60	145.17
6795	2.10	138.61	145.15
6797	2.09	138.62	145.17
6799	2.09	138.62	145.17
6801	2.07	138.60	145.14
6803	2.09	138.61	145.16
6805	2.10	138.60	145.13
6807	2.10	138.60	145.15
6809	2.11	138.61	145.16
6811	2.09	138.58	145.14
6813	2.05	138.60	145.16
6815	2.10	138.62	145.16
6817	2.08	138.58	145.13
6819	2.07	138.60	145.15
6821	2.11	138.58	145.14
6823	2.06	138.59	145.13
6825	2.10	138.58	145.17
6827	2.09	138.57	145.17
6829	2.08	138.57	145.15
6831	2.08	138.57	145.16
6833	2.06	138.58	145.13
6835	2.08	138.55	145.17
6837	2.06	138.57	145.16
6839	2.08	138.56	145.16
6841	2.07	138.58	145.16
6843	2.08	138.58	145.17
6845	2.07	138.58	145.15

6847	2.07	138.58	145.17
6849	2.08	138.59	145.15
6851	2.09	138.56	145.17
6853	2.08	138.57	145.14
6855	2.07	138.57	145.15
6857	2.08	138.59	145.17
6859	2.11	138.59	145.16
6861	2.07	138.57	145.15
6863	2.08	138.57	145.17
6865	2.09	138.55	145.17
6867	2.07	138.55	145.15
6869	2.07	138.56	145.17
6871	2.08	138.57	145.15
6873	2.09	138.55	145.17
6875	2.08	138.55	145.18
6877	2.08	138.56	145.16
6879	2.08	138.55	145.17
6881	2.08	138.57	145.16
6883	2.10	138.56	145.18
6885	2.10	138.57	145.16
6887	2.14	138.57	145.18
6889	2.09	138.56	145.17
6891	2.13	138.57	145.19
6893	2.11	138.56	145.17
6895	2.08	138.55	145.16
6897	2.07	138.55	145.18
6899	2.11	138.55	145.15
6901	2.07	138.54	145.16
6903	2.09	138.55	145.18
6905	2.09	138.55	145.15
6907	2.08	138.55	145.17
6909	2.08	138.55	145.16
6911	2.05	138.51	145.16
6913	2.07	138.54	145.16
6915	2.09	138.52	145.16
6917	2.06	138.54	145.17
6919	2.08	138.54	145.15
6921	2.12	138.56	145.15
6923	2.11	138.52	145.16
6925	2.08	138.53	145.19
6927	2.09	138.53	145.18
6929	2.11	138.51	145.16
6931	2.08	138.53	145.16
6933	2.11	138.54	145.18
6935	2.06	138.52	145.15
6937	2.06	138.50	145.17
6939	2.10	138.51	145.18

6941	2.10	138.51	145.17
6943	2.10	138.53	145.17
6945	2.08	138.51	145.19
6947	2.05	138.51	145.18
6949	2.06	138.52	145.20
6951	2.09	138.50	145.16
6953	2.04	138.50	145.19
6955	2.08	138.49	145.17
6957	2.08	138.51	145.17
6959	2.02	138.49	145.15
6961	2.05	138.49	145.18
6963	2.11	138.51	145.19
6965	2.06	138.51	145.20
6967	2.06	138.53	145.17
6969	2.06	138.51	145.18
6971	2.10	138.49	145.16
6973	2.12	138.50	145.22
6975	2.11	138.51	145.19
6977	2.10	138.52	145.19
6979	2.09	138.50	145.20
6981	2.07	138.51	145.20
6983	2.12	138.53	145.19
6985	2.10	138.49	145.22
6987	2.06	138.51	145.17
6989	2.11	138.49	145.19
6991	2.11	138.49	145.21
6993	2.10	138.49	145.19
6995	2.10	138.49	145.19
6997	2.07	138.47	145.20
6999	2.09	138.50	145.18
7001	2.07	138.47	145.19
7003	2.13	138.50	145.19
7005	2.11	138.50	145.19
7007	2.07	138.49	145.17
7009	2.09	138.49	145.20
7011	2.10	138.46	145.17
7013	2.07	138.49	145.18
7015	2.09	138.46	145.20
7017	2.07	138.48	145.18
7019	2.07	138.45	145.18
7021	2.08	138.45	145.14
7023	2.08	138.46	145.19
7025	2.07	138.49	145.16
7027	2.08	138.49	145.22
7029	2.11	138.49	145.19
7031	2.06	138.48	145.18
7033	2.07	138.46	145.18

7035	2.08	138.45	145.18
7037	2.07	138.47	145.19
7039	2.10	138.48	145.19
7041	2.07	138.46	145.19
7043	2.11	138.45	145.21
7045	2.09	138.48	145.19
7047	2.09	138.45	145.19
7049	2.10	138.45	145.19
7051	2.08	138.44	145.20
7053	2.08	138.45	145.19
7055	2.11	138.45	145.19
7057	2.12	138.45	145.21
7059	2.07	138.46	145.20
7061	2.10	138.44	145.19
7063	2.07	138.44	145.18
7065	2.09	138.44	145.21
7067	2.09	138.42	145.20
7069	2.07	138.43	145.18
7071	2.06	138.44	145.16
7073	2.09	138.42	145.19
7075	2.07	138.42	145.16
7077	2.09	138.41	145.18
7079	2.08	138.44	145.19
7081	2.04	138.41	145.16
7083	2.10	138.43	145.20
7085	2.10	138.44	145.19
7087	2.06	138.42	145.19
7089	2.08	138.42	145.17
7091	2.10	138.43	145.20
7093	2.09	138.43	145.17
7095	2.09	138.43	145.16
7097	2.07	138.41	145.20
7099	2.10	138.43	145.21
7101	2.09	138.43	145.18
7103	2.05	138.42	145.18
7105	2.06	138.42	145.20
7107	2.11	138.43	145.20
7109	2.09	138.39	145.20
7111	2.08	138.42	145.19
7113	2.10	138.42	145.19
7115	2.11	138.43	145.20
7117	2.12	138.41	145.18
7119	2.09	138.42	145.19
7121	2.07	138.41	145.20
7123	2.07	138.41	145.18
7125	2.07	138.43	145.21
7127	2.10	138.39	145.19

7129	2.06	138.40	145.22
7131	2.06	138.40	145.19
7133	2.08	138.40	145.19
7135	2.09	138.40	145.17
7137	2.07	138.40	145.18
7139	2.07	138.40	145.19
7141	2.09	138.40	145.18
7143	2.06	138.38	145.19
7145	2.08	138.41	145.17
7147	2.10	138.41	145.19
7149	2.11	138.40	145.21
7151	2.13	138.39	145.17
7153	2.10	138.41	145.20
7155	2.10	138.41	145.19
7157	2.09	138.40	145.20
7159	2.12	138.41	145.20
7161	2.09	138.39	145.21
7163	2.13	138.40	145.21
7165	2.11	138.39	145.19
7167	2.11	138.40	145.20
7169	2.09	138.38	145.20
7171	2.13	138.39	145.19
7173	2.07	138.40	145.19
7175	2.07	138.37	145.20
7177	2.08	138.37	145.21
7179	2.05	138.36	145.19
7181	2.06	138.39	145.21
7183	2.09	138.36	145.19
7185	2.07	138.35	145.20
7187	2.06	138.36	145.18
7189	2.08	138.39	145.20
7191	2.10	138.39	145.19
7193	2.09	138.38	145.21
7195	2.11	138.36	145.19
7197	2.07	138.38	145.21
7199	2.08	138.37	145.17
7201	2.10	138.36	145.21
7203	2.09	138.35	145.19
7205	2.08	138.36	145.19
7207	2.07	138.35	145.20
7209	2.11	138.36	145.20
7211	2.07	138.35	145.17
7213	2.07	138.36	145.19
7215	2.09	138.36	145.17
7217	2.06	138.35	145.20
7219	2.08	138.34	145.17
7221	2.08	138.35	145.18

7223	2.04	138.34	145.15
7225	2.07	138.35	145.18
7227	2.05	138.35	145.18
7229	2.04	138.34	145.20
7231	2.09	138.33	145.17
7233	2.07	138.34	145.19
7235	2.06	138.33	145.20
7237	2.09	138.34	145.21
7239	2.10	138.34	145.20
7241	2.08	138.35	145.20
7243	2.09	138.35	145.21
7245	2.09	138.35	145.19
7247	2.07	138.35	145.18
7249	2.09	138.37	145.19
7251	2.06	138.33	145.19
7253	2.12	138.34	145.20
7255	2.13	138.35	145.19
7257	2.11	138.35	145.18
7259	2.09	138.34	145.21
7261	2.09	138.33	145.19
7263	2.10	138.35	145.21
7265	2.11	138.35	145.20
7267	2.10	138.34	145.19
7269	2.10	138.34	145.20
7271	2.10	138.34	145.19
7273	2.12	138.33	145.20
7275	2.06	138.34	145.19
7277	2.08	138.32	145.19
7279	2.10	138.33	145.17
7281	2.11	138.33	145.20
7283	2.08	138.33	145.18
7285	2.10	138.31	145.18
7287	2.08	138.31	145.17
7289	2.08	138.30	145.16
7291	2.09	138.32	145.18
7293	2.10	138.30	145.20
7295	2.10	138.31	145.20
7297	2.09	138.31	145.21
7299	2.08	138.32	145.18
7301	2.09	138.32	145.20
7303	2.09	138.31	145.20
7305	2.08	138.30	145.19
7307	2.06	138.31	145.18
7309	2.04	138.32	145.19
7311	2.09	138.31	145.18
7313	2.13	138.32	145.16
7315	2.08	138.32	145.16

7317	2.07	138.30	145.17
7319	2.09	138.30	145.18
7321	2.07	138.28	145.17
7323	2.07	138.29	145.17
7325	2.05	138.29	145.18
7327	2.09	138.28	145.18
7329	2.05	138.27	145.17
7331	2.06	138.27	145.17
7333	2.10	138.29	145.20
7335	2.07	138.29	145.14
7337	2.08	138.28	145.18
7339	2.07	138.28	145.17
7341	2.08	138.29	145.17
7343	2.06	138.27	145.18
7345	2.11	138.27	145.14
7347	2.07	138.26	145.17
7349	2.07	138.28	145.14
7351	2.08	138.27	145.17
7353	2.07	138.27	145.18
7355	2.08	138.27	145.17
7357	2.09	138.25	145.18
7359	2.07	138.28	145.16
7361	2.06	138.24	145.15
7363	2.07	138.28	145.17
7365	2.08	138.28	145.17
7367	2.07	138.25	145.18
7369	2.07	138.26	145.17
7371	2.10	138.27	145.16
7373	2.08	138.26	145.16
7375	2.07	138.27	145.16
7377	2.07	138.26	145.15
7379	2.08	138.27	145.17
7381	2.08	138.27	145.19
7383	2.06	138.26	145.15
7385	2.04	138.24	145.18
7387	2.05	138.28	145.17
7389	2.03	138.29	145.15
7391	2.08	138.27	145.18
7393	2.12	138.29	145.18
7395	2.09	138.26	145.16
7397	2.08	138.28	145.17
7399	2.11	138.27	145.18
7401	2.11	138.27	145.16
7403	2.11	138.26	145.17
7405	2.07	138.27	145.18
7407	2.10	138.26	145.16
7409	2.09	138.27	145.18

7411	2.10	138.27	145.16
7413	2.06	138.26	145.18
7415	2.08	138.27	145.17
7417	2.06	138.24	145.16
7419	2.05	138.25	145.17
7421	2.07	138.23	145.15
7423	2.09	138.27	145.17
7425	2.09	138.25	145.16
7427	2.10	138.25	145.15
7429	2.04	138.23	145.18
7431	2.04	138.24	145.15
7433	2.09	138.23	145.16
7435	2.07	138.24	145.15
7437	2.07	138.24	145.16
7439	2.08	138.23	145.14
7441	2.06	138.25	145.13
7443	2.06	138.24	145.13
7445	2.07	138.25	145.17
7447	2.07	138.23	145.15
7449	2.09	138.25	145.16
7451	2.05	138.23	145.16
7453	2.09	138.22	145.17
7455	2.08	138.22	145.15
7457	2.10	138.22	145.16
7459	2.10	138.23	145.15
7461	2.07	138.25	145.17
7463	2.10	138.24	145.14
7465	2.08	138.23	145.17
7467	2.08	138.23	145.15
7469	2.08	138.24	145.17
7471	2.11	138.24	145.17
7473	2.07	138.21	145.15
7475	2.07	138.23	145.14
7477	2.09	138.24	145.15
7479	2.09	138.21	145.14
7481	2.08	138.21	145.14
7483	2.06	138.21	145.16
7485	2.05	138.21	145.13
7487	2.12	138.22	145.14
7489	2.09	138.21	145.15
7491	2.06	138.21	145.13
7493	2.07	138.23	145.13
7495	2.12	138.21	145.16
7497	2.07	138.20	145.14
7499	2.07	138.21	145.16
7501	2.06	138.22	145.17
7503	2.06	138.21	145.16

7505	2.08	138.22	145.17
7507	2.08	138.23	145.15
7509	2.09	138.21	145.15
7511	2.08	138.21	145.17
7513	2.10	138.20	145.18
7515	2.09	138.20	145.14
7517	2.11	138.21	145.15
7519	2.09	138.23	145.16
7521	2.10	138.23	145.16
7523	2.09	138.22	145.14
7525	2.12	138.22	145.17
7527	2.10	138.21	145.16
7529	2.08	138.18	145.13
7531	2.10	138.21	145.16
7533	2.09	138.19	145.14
7535	2.10	138.20	145.13
7537	2.06	138.20	145.12
7539	2.08	138.18	145.15
7541	2.08	138.16	145.12
7543	2.07	138.20	145.15
7545	2.13	138.17	145.12
7547	2.06	138.18	145.12
7549	2.06	138.21	145.13
7551	2.10	138.20	145.13
7553	2.08	138.19	145.12
7555	2.06	138.18	145.12
7557	2.06	138.21	145.14
7559	2.05	138.17	145.13
7561	2.08	138.18	145.13
7563	2.07	138.18	145.14
7565	2.07	138.18	145.12
7567	2.09	138.18	145.14
7569	2.07	138.17	145.14
7571	2.08	138.16	145.12
7573	2.08	138.18	145.12
7575	2.07	138.19	145.13
7577	2.06	138.18	145.12
7579	2.09	138.19	145.14
7581	2.08	138.19	145.12
7583	2.06	138.18	145.10
7585	2.06	138.20	145.13
7587	2.09	138.17	145.14
7589	2.10	138.17	145.11
7591	2.08	138.18	145.13
7593	2.07	138.18	145.15
7595	2.08	138.17	145.12
7597	2.07	138.19	145.11

7599	2.09	138.17	145.11
7601	2.06	138.16	145.10
7603	2.11	138.18	145.13
7605	2.08	138.20	145.12
7607	2.08	138.18	145.11
7609	2.11	138.18	145.12
7611	2.08	138.18	145.12
7613	2.05	138.15	145.13
7615	2.08	138.17	145.10
7617	2.09	138.16	145.11
7619	2.08	138.16	145.11
7621	2.07	138.14	145.11
7623	2.09	138.17	145.12
7625	2.09	138.16	145.13
7627	2.06	138.17	145.11
7629	2.09	138.15	145.14
7631	2.06	138.14	145.08
7633	2.08	138.16	145.11
7635	2.07	138.17	145.11
7637	2.10	138.15	145.11
7639	2.09	138.14	145.10
7641	2.06	138.17	145.11
7643	2.10	138.18	145.14
7645	2.08	138.16	145.11
7647	2.11	138.16	145.12
7649	2.12	138.16	145.12
7651	2.09	138.18	145.16
7653	2.07	138.17	145.13
7655	2.07	138.16	145.13
7657	2.07	138.15	145.13
7659	2.09	138.16	145.12
7661	2.09	138.14	145.12
7663	2.12	138.14	145.13
7665	2.09	138.15	145.11
7667	2.07	138.17	145.12
7669	2.11	138.15	145.12
7671	2.10	138.15	145.12
7673	2.11	138.16	145.12
7675	2.04	138.17	145.12
7677	2.07	138.15	145.13
7679	2.07	138.13	145.10
7681	2.08	138.14	145.13
7683	2.07	138.14	145.11
7685	2.11	138.15	145.11
7687	2.11	138.15	145.09
7689	2.11	138.14	145.12
7691	2.09	138.13	145.10

7693	2.08	138.14	145.11
7695	2.07	138.13	145.11
7697	2.09	138.15	145.12
7699	2.06	138.11	145.12
7701	2.06	138.12	145.11
7703	2.09	138.13	145.11
7705	2.04	138.14	145.09
7707	2.07	138.11	145.09
7709	2.09	138.12	145.11
7711	2.05	138.11	145.09
7713	2.08	138.11	145.08
7715	2.07	138.09	145.08
7717	2.05	138.12	145.09
7719	2.06	138.10	145.11
7721	2.08	138.10	145.11
7723	2.04	138.12	145.10
7725	2.08	138.11	145.07
7727	2.06	138.12	145.08
7729	2.08	138.11	145.11
7731	2.08	138.08	145.08
7733	2.07	138.09	145.09
7735	2.07	138.11	145.10
7737	2.04	138.11	145.09
7739	2.08	138.09	145.08
7741	2.10	138.12	145.10
7743	2.09	138.11	145.09
7745	2.05	138.12	145.11
7747	2.12	138.10	145.09
7749	2.08	138.11	145.10
7751	2.09	138.10	145.09
7753	2.09	138.12	145.09
7755	2.09	138.08	145.10
7757	2.09	138.11	145.07
7759	2.07	138.10	145.08
7761	2.07	138.10	145.08
7763	2.11	138.11	145.09
7765	2.09	138.11	145.09
7767	2.09	138.11	145.11
7769	2.09	138.12	145.09
7771	2.09	138.11	145.11
7773	2.11	138.12	145.10
7775	2.10	138.09	145.11
7777	2.13	138.11	145.08
7779	2.11	138.12	145.10
7781	2.08	138.09	145.12
7783	2.12	138.12	145.10
7785	2.09	138.11	145.13

7787	2.10	138.12	145.08
7789	2.11	138.10	145.10
7791	2.07	138.11	145.08
7793	2.06	138.12	145.10
7795	2.08	138.10	145.10
7797	2.08	138.09	145.08
7799	2.08	138.11	145.08
7801	2.07	138.07	145.08
7803	2.09	138.09	145.09
7805	2.06	138.09	145.07
7807	2.04	138.09	145.08
7809	2.10	138.09	145.07
7811	2.05	138.10	145.07
7813	2.05	138.09	145.08
7815	2.09	138.11	145.10
7817	2.09	138.10	145.08
7819	2.10	138.08	145.11
7821	2.11	138.07	145.08
7823	2.10	138.09	145.11
7825	2.07	138.10	145.09
7827	2.10	138.07	145.06
7829	2.11	138.11	145.08
7831	2.10	138.09	145.08
7833	2.09	138.07	145.11
7835	2.10	138.07	145.09
7837	2.09	138.09	145.07
7839	2.08	138.08	145.06
7841	2.07	138.08	145.06
7843	2.09	138.07	145.08
7845	2.05	138.05	145.07
7847	2.08	138.08	145.08
7849	2.07	138.07	145.05
7851	2.11	138.06	145.07
7853	2.10	138.06	145.08
7855	2.07	138.07	145.08
7857	2.09	138.07	145.08
7859	2.07	138.05	145.07
7861	2.06	138.07	145.06
7863	2.05	138.04	145.06
7865	2.07	138.05	145.05
7867	2.08	138.06	145.06
7869	2.06	138.07	145.07
7871	2.05	138.04	145.06
7873	2.07	138.04	145.06
7875	2.07	138.04	145.06
7877	2.08	138.03	145.05
7879	2.08	138.05	145.07

7881	2.11	138.03	145.07
7883	2.09	138.04	145.06
7885	2.09	138.04	145.05
7887	2.06	138.06	145.08
7889	2.08	138.03	145.05
7891	2.08	138.05	145.07
7893	2.09	138.04	145.06
7895	2.07	138.04	145.07
7897	2.09	138.04	145.05
7899	2.07	138.05	145.08
7901	2.07	138.02	145.06
7903	2.10	138.04	145.05
7905	2.12	138.07	145.07
7907	2.09	138.06	145.05
7909	2.09	138.05	145.09
7911	2.11	138.05	145.07
7913	2.10	138.03	145.09
7915	2.11	138.04	145.05
7917	2.10	138.05	145.06
7919	2.09	138.03	145.07
7921	2.09	138.05	145.05
7923	2.09	138.06	145.07
7925	2.11	138.02	145.05
7927	2.09	138.04	145.06
7929	2.07	138.04	145.06
7931	2.08	138.04	145.06
7933	2.08	138.05	145.07
7935	2.10	138.03	145.04
7937	2.10	138.05	145.05
7939	2.06	138.01	145.06
7941	2.09	138.03	145.05
7943	2.09	138.04	145.07
7945	2.10	138.04	145.04
7947	2.09	138.03	145.03
7949	2.09	138.05	145.07
7951	2.10	138.04	145.05
7953	2.09	138.02	145.09
7955	2.06	138.04	145.05
7957	2.09	138.04	145.04
7959	2.09	138.02	145.06
7961	2.08	138.04	145.06
7963	2.09	138.04	145.04
7965	2.10	138.02	145.06
7967	2.09	138.04	145.05
7969	2.10	138.01	145.06
7971	2.11	138.02	145.05
7973	2.13	138.03	145.06

7975	2.08	138.03	145.03
7977	2.08	138.00	145.04
7979	2.07	138.01	145.03
7981	2.11	138.01	145.04
7983	2.09	138.01	145.04
7985	2.10	137.99	145.03
7987	2.09	138.01	145.04
7989	2.11	138.00	145.04
7991	2.09	138.00	145.02
7993	2.10	138.00	145.04
7995	2.10	137.99	145.03
7997	2.05	137.99	145.03
7999	2.10	138.00	145.03
8001	2.08	138.00	145.02
8003	2.07	138.00	145.04
8005	2.07	138.00	145.02
8007	2.10	138.00	145.02
8009	2.06	137.98	145.03
8011	2.09	138.02	145.03
8013	2.10	137.99	145.02
8015	2.07	137.97	145.04
8017	2.08	137.97	145.05
8019	2.05	137.99	145.03
8021	2.07	137.96	145.01
8023	2.10	137.96	145.03
8025	2.08	137.99	145.03
8027	2.09	137.97	145.02
8029	2.08	137.97	145.00
8031	2.08	137.98	145.03
8033	2.08	137.94	145.00
8035	2.06	137.98	145.03
8037	2.10	137.97	145.02
8039	2.08	137.95	145.00
8041	2.06	137.97	145.00
8043	2.09	137.97	145.00
8045	2.07	137.99	145.02
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8055	2.04	137.97	145.02
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8059	2.09	137.98	145.02
8061	2.07	137.97	145.02
8063	2.07	137.95	145.02
8065	2.10	137.97	145.04
8067	2.11	137.97	145.01

8069	2.08	137.98	145.02
8071	2.09	137.97	145.07
8073	2.09	137.97	145.00
8075	2.12	137.96	145.02
8077	2.08	137.97	145.02
8079	2.10	137.97	145.00
8081	2.07	137.97	145.01
8083	2.08	137.94	145.01
8085	2.05	137.96	145.01
8087	2.08	137.94	145.00
8089	2.07	137.96	145.00
8091	2.07	137.94	144.98
8093	2.07	137.95	145.00
8095	2.08	137.94	145.01
8097	2.10	137.95	144.98
8099	2.11	137.96	145.00
8101	2.09	137.95	145.00
8103	2.09	137.96	145.02
8105	2.12	137.96	145.02
8107	2.08	137.96	145.02
8109	2.07	137.96	145.01
8111	2.07	137.96	145.01
8113	2.12	137.95	145.01
8115	2.07	137.92	144.99
8117	2.09	137.93	145.00
8119	2.05	137.95	145.02
8121	2.06	137.94	144.99
8123	2.09	137.93	145.00
8125	2.08	137.92	144.99
8127	2.09	137.93	145.01
8129	2.08	137.93	145.00
8131	2.06	137.92	144.97
8133	2.09	137.93	144.98
8135	2.10	137.93	144.99
8137	2.06	137.93	144.99
8139	2.07	137.94	145.01
8141	2.11	137.92	145.01
8143	2.09	137.92	144.99
8145	2.08	137.94	144.99
8147	2.09	137.91	144.98
8149	2.09	137.93	144.96
8151	2.05	137.91	144.99
8153	2.05	137.90	145.00
8155	2.07	137.91	144.98
8157	2.08	137.91	145.00
8159	2.11	137.94	145.01
8161	2.07	137.93	144.98

8163	2.07	137.92	144.99
8165	2.10	137.92	144.99
8167	2.09	137.92	144.97
8169	2.08	137.92	144.97
8171	2.06	137.90	144.96
8173	2.07	137.90	144.97
8175	2.07	137.89	144.95
8177	2.07	137.91	144.97
8179	2.08	137.90	144.97
8181	2.09	137.93	144.98
8183	2.12	137.92	145.01
8185	2.08	137.88	144.98
8187	2.07	137.92	144.99
8189	2.09	137.91	144.99
8191	2.10	137.90	144.97
8193	2.10	137.91	144.98
8195	2.08	137.87	144.96
8197	2.06	137.90	144.95
8199	2.07	137.89	144.96
8201	2.08	137.90	144.96
8203	2.08	137.90	144.94
8205	2.09	137.89	144.97
8207	2.11	137.89	144.97
8209	2.10	137.90	144.96
8211	2.12	137.92	144.97
8213	2.13	137.89	144.98
8215	2.09	137.89	144.96
8217	2.09	137.88	144.97
8219	2.10	137.90	144.97
8221	2.08	137.87	144.96
8223	2.09	137.90	144.94
8225	2.11	137.89	144.95
8227	2.08	137.89	144.98
8229	2.08	137.87	144.97
8231	2.09	137.87	144.95
8233	2.07	137.88	144.95
8235	2.07	137.88	144.96
8237	2.09	137.88	144.95
8239	2.08	137.89	144.96
8241	2.10	137.88	144.96
8243	2.08	137.90	144.97
8245	2.10	137.90	144.96
8247	2.10	137.86	144.96
8249	2.06	137.89	144.96
8251	2.02	137.87	144.94
8253	2.06	137.87	144.96
8255	2.07	137.86	144.94

8257	2.05	137.89	144.95
8259	2.08	137.87	144.94
8261	2.09	137.87	144.96
8263	2.08	137.86	144.96
8265	2.08	137.87	144.99
8267	2.11	137.90	144.95
8269	2.08	137.89	144.97
8271	2.09	137.87	144.96
8273	2.10	137.88	144.96
8275	2.10	137.87	144.93
8277	2.06	137.87	144.95
8279	2.05	137.87	144.97
8281	2.07	137.86	144.95
8283	2.06	137.86	144.95
8285	2.10	137.87	144.94
8287	2.07	137.88	144.94
8289	2.07	137.87	144.93
8291	2.07	137.86	144.95
8293	2.05	137.85	144.94
8295	2.07	137.86	144.93
8297	2.03	137.84	144.94
8299	2.07	137.87	144.93
8301	2.09	137.84	144.96
8303	2.08	137.84	144.93
8305	2.08	137.86	144.95
8307	2.07	137.83	144.95
8309	2.07	137.85	144.93
8311	2.06	137.85	144.94
8313	2.07	137.84	144.91
8315	2.08	137.85	144.94
8317	2.06	137.84	144.92
8319	2.05	137.85	144.93
8321	2.07	137.85	144.93
8323	2.06	137.84	144.93
8325	2.10	137.82	144.93
8327	2.05	137.83	144.94
8329	2.07	137.84	144.93
8331	2.06	137.84	144.93
8333	2.07	137.81	144.92
8335	2.09	137.84	144.91
8337	2.07	137.84	144.91
8339	2.06	137.82	144.91
8341	2.04	137.83	144.91
8343	2.05	137.85	144.91
8345	2.05	137.83	144.90
8347	2.10	137.85	144.95
8349	2.06	137.85	144.93

8351	2.07	137.82	144.89
8353	2.10	137.86	144.92
8355	2.10	137.81	144.92
8357	2.08	137.83	144.92
8359	2.09	137.84	144.91
8361	2.08	137.82	144.91
8363	2.07	137.80	144.90
8365	2.11	137.84	144.94
8367	2.09	137.81	144.92
8369	2.11	137.83	144.92
8371	2.06	137.83	144.93
8373	2.09	137.81	144.92
8375	2.10	137.83	144.93
8377	2.10	137.82	144.94
8379	2.09	137.82	144.90
8381	2.10	137.83	144.91
8383	2.08	137.82	144.90
8385	2.07	137.81	144.91
8387	2.09	137.83	144.90
8389	2.09	137.81	144.90
8391	2.06	137.80	144.90
8393	2.08	137.81	144.89
8395	2.04	137.81	144.89
8397	2.07	137.80	144.90
8399	2.09	137.81	144.91
8401	2.05	137.80	144.88
8403	2.05	137.81	144.88
8405	2.08	137.80	144.89
8407	2.09	137.80	144.88
8409	2.05	137.80	144.88
8411	2.07	137.79	144.86
8413	2.08	137.79	144.89
8415	2.06	137.78	144.91
8417	2.09	137.79	144.87
8419	2.06	137.77	144.89
8421	2.05	137.78	144.88
8423	2.06	137.77	144.90
8425	2.08	137.80	144.88
8427	2.06	137.79	144.89
8429	2.05	137.78	144.86
8431	2.08	137.81	144.89
8433	2.04	137.80	144.86
8435	2.08	137.80	144.88
8437	2.09	137.80	144.87
8439	2.06	137.76	144.88
8441	2.10	137.80	144.90
8443	2.07	137.78	144.87

8445	2.06	137.77	144.88
8447	2.08	137.76	144.88
8449	2.08	137.78	144.89
8451	2.07	137.75	144.86
8453	2.08	137.79	144.86
8455	2.04	137.76	144.87
8457	2.07	137.76	144.87
8459	2.06	137.76	144.88
8461	2.06	137.76	144.86
8463	2.04	137.78	144.86
8465	2.07	137.77	144.88
8467	2.08	137.77	144.84
8469	2.08	137.75	144.84
8471	2.09	137.78	144.86
8473	2.05	137.75	144.85
8475	2.07	137.75	144.86
8477	2.08	137.78	144.84
8479	2.11	137.76	144.86
8481	2.09	137.76	144.88
8483	2.07	137.77	144.87
8485	2.09	137.77	144.90
8487	2.10	137.78	144.88
8489	2.09	137.77	144.89
8491	2.06	137.76	144.87
8493	2.09	137.75	144.90
8495	2.07	137.77	144.85
8497	2.08	137.75	144.86
8499	2.09	137.77	144.85
8501	2.06	137.74	144.89
8503	2.06	137.74	144.83
8505	2.09	137.74	144.86
8507	2.07	137.73	144.86
8509	2.07	137.73	144.86
8511	2.07	137.76	144.88
8513	2.07	137.76	144.89
8515	2.10	137.77	144.85
8517	2.06	137.76	144.86
8519	2.08	137.77	144.84
8521	2.05	137.76	144.86
8523	2.06	137.73	144.86
8525	2.06	137.73	144.86
8527	2.06	137.74	144.86
8529	2.09	137.74	144.85
8531	2.06	137.73	144.84
8533	2.04	137.75	144.84
8535	2.09	137.71	144.82
8537	2.08	137.74	144.85

8539	2.09	137.75	144.85
8541	2.09	137.74	144.84
8543	2.09	137.73	144.83
8545	2.08	137.76	144.86
8547	2.09	137.71	144.85
8549	2.05	137.73	144.82
8551	2.08	137.71	144.84
8553	2.07	137.71	144.84
8555	2.07	137.69	144.82
8557	2.08	137.72	144.83
8559	2.10	137.74	144.83
8561	2.08	137.73	144.84
8563	2.06	137.74	144.86
8565	2.10	137.73	144.85
8567	2.07	137.71	144.85
8569	2.11	137.74	144.83
8571	2.10	137.71	144.87
8573	2.09	137.71	144.83
8575	2.07	137.73	144.85
8577	2.09	137.72	144.83
8579	2.04	137.71	144.84
8581	2.08	137.72	144.83
8583	2.05	137.69	144.81
8585	2.08	137.72	144.83
8587	2.06	137.69	144.84
8589	2.08	137.70	144.85
8591	2.07	137.71	144.83
8593	2.09	137.70	144.83
8595	2.06	137.70	144.80
8597	2.09	137.71	144.81
8599	2.06	137.70	144.84
8601	2.13	137.70	144.82
8603	2.05	137.70	144.81
8605	2.07	137.70	144.82
8607	2.07	137.71	144.84
8609	2.06	137.71	144.84
8611	2.07	137.72	144.82
8613	2.12	137.72	144.80
8615	2.08	137.70	144.81
8617	2.06	137.68	144.82
8619	2.09	137.70	144.84
8621	2.07	137.71	144.84
8623	2.08	137.69	144.79
8625	2.11	137.73	144.82
8627	2.10	137.72	144.82
8629	2.07	137.70	144.78
8631	2.10	137.70	144.82

8633	2.09	137.70	144.84
8635	2.05	137.70	144.85
8637	2.07	137.69	144.80
8639	2.11	137.68	144.83
8641	2.10	137.70	144.81
8643	2.11	137.72	144.83
8645	2.08	137.72	144.81
8647	2.09	137.68	144.82
8649	2.09	137.72	144.81
8651	2.12	137.71	144.80
8653	2.12	137.69	144.78
8655	2.08	137.69	144.81
8657	2.12	137.72	144.78
8659	2.08	137.68	144.81
8661	2.08	137.68	144.79
8663	2.10	137.69	144.82
8665	2.07	137.67	144.80
8667	2.10	137.68	144.81
8669	2.11	137.69	144.79
8671	2.09	137.67	144.81
8673	2.06	137.68	144.81
8675	2.08	137.68	144.79
8677	2.08	137.66	144.79
8679	2.09	137.66	144.80
8681	2.11	137.67	144.81
8683	2.10	137.67	144.80
8685	2.10	137.67	144.81
8687	2.13	137.67	144.79
8689	2.08	137.65	144.80
8691	2.06	137.64	144.79
8693	2.11	137.66	144.80
8695	2.05	137.67	144.76
8697	2.07	137.68	144.79
8699	2.08	137.68	144.78
8701	2.09	137.67	144.78
8703	2.06	137.66	144.76
8705	2.09	137.66	144.78
8707	2.06	137.67	144.75
8709	2.06	137.64	144.76
8711	2.08	137.64	144.78
8713	2.06	137.65	144.76
8715	2.06	137.63	144.78
8717	2.06	137.66	144.78
8719	2.06	137.65	144.76
8721	2.06	137.67	144.75
8723	2.08	137.64	144.80
8725	2.11	137.68	144.77

8727	2.08	137.64	144.79
8729	2.05	137.65	144.78
8731	2.11	137.65	144.77
8733	2.10	137.66	144.76
8735	2.09	137.66	144.79
8737	2.11	137.67	144.76
8739	2.09	137.66	144.74
8741	2.12	137.67	144.78
8743	2.08	137.67	144.77
8745	2.09	137.66	144.76
8747	2.10	137.66	144.78
8749	2.09	137.66	144.77
8751	2.09	137.66	144.76
8753	2.07	137.66	144.75
8755	2.11	137.65	144.79
8757	2.10	137.63	144.74
8759	2.10	137.64	144.78
8761	2.12	137.63	144.77
8763	2.08	137.63	144.77
8765	2.11	137.63	144.76
8767	2.10	137.61	144.76
8769	2.06	137.62	144.74
8771	2.09	137.63	144.74
8773	2.05	137.62	144.74
8775	2.07	137.63	144.74
8777	2.06	137.63	144.77
8779	2.07	137.64	144.77
8781	2.09	137.63	144.74
8783	2.08	137.60	144.76
8785	2.06	137.62	144.73
8787	2.09	137.65	144.74
8789	2.05	137.62	144.74
8791	2.06	137.62	144.74
8793	2.09	137.59	144.75
8795	2.07	137.62	144.75
8797	2.08	137.63	144.73
8799	2.09	137.64	144.77
8801	2.08	137.64	144.75
8803	2.10	137.65	144.76
8805	2.08	137.64	144.73
8807	2.11	137.61	144.73
8809	2.08	137.63	144.76
8811	2.10	137.64	144.76
8813	2.13	137.64	144.73
8815	2.12	137.65	144.72
8817	2.09	137.62	144.73
8819	2.10	137.63	144.77

8821	2.11	137.65	144.74
8823	2.10	137.62	144.72
8825	2.08	137.61	144.72
8827	2.11	137.62	144.72
8829	2.10	137.60	144.73
8831	2.06	137.62	144.74
8833	2.06	137.60	144.72
8835	2.06	137.61	144.74
8837	2.06	137.61	144.74
8839	2.05	137.60	144.74
8841	2.04	137.60	144.72
8843	2.06	137.63	144.71
8845	2.10	137.62	144.71
8847	2.10	137.63	144.72
8849	2.11	137.61	144.71
8851	2.08	137.60	144.75
8853	2.08	137.60	144.73
8855	2.11	137.63	144.72
8857	2.08	137.61	144.73
8859	2.09	137.60	144.71
8861	2.10	137.62	144.73
8863	2.09	137.60	144.75
8865	2.10	137.59	144.71
8867	2.10	137.60	144.70
8869	2.08	137.58	144.69
8871	2.08	137.60	144.72
8873	2.06	137.59	144.72
8875	2.06	137.59	144.69
8877	2.06	137.58	144.70
8879	2.05	137.59	144.71
8881	2.07	137.60	144.73
8883	2.07	137.59	144.72
8885	2.09	137.60	144.72
8887	2.09	137.58	144.69
8889	2.08	137.59	144.73
8891	2.08	137.60	144.72
8893	2.09	137.60	144.71
8895	2.10	137.60	144.74
8897	2.08	137.58	144.72
8899	2.11	137.60	144.74
8901	2.10	137.57	144.69
8903	2.09	137.59	144.70
8905	2.07	137.60	144.70
8907	2.08	137.58	144.68
8909	2.06	137.59	144.71
8911	2.11	137.59	144.69
8913	2.06	137.59	144.70

8915	2.09	137.57	144.70
8917	2.05	137.56	144.69
8919	2.06	137.57	144.69
8921	2.07	137.60	144.68
8923	2.06	137.57	144.72
8925	2.04	137.56	144.71
8927	2.08	137.57	144.71
8929	2.05	137.58	144.69
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8935	2.11	137.58	144.70
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8939	2.09	137.57	144.69
8941	2.11	137.58	144.72
8943	2.07	137.57	144.72
8945	2.10	137.57	144.70
8947	2.08	137.58	144.70
8949	2.07	137.58	144.72
8951	2.06	137.58	144.71
8953	2.06	137.56	144.69
8955	2.12	137.58	144.71
8957	2.10	137.57	144.69
8959	2.08	137.57	144.70
8961	2.12	137.58	144.71
8963	2.10	137.57	144.70
8965	2.08	137.56	144.68
8967	2.09	137.58	144.70
8969	2.11	137.56	144.70
8971	2.10	137.57	144.67
8973	2.10	137.57	144.69
8975	2.09	137.58	144.69
8977	2.08	137.55	144.69
8979	2.08	137.55	144.68
8981	2.10	137.55	144.71
8983	2.07	137.56	144.67
8985	2.09	137.55	144.69
8987	2.11	137.56	144.71
8989	2.05	137.55	144.69
8991	2.07	137.57	144.68
8993	2.07	137.55	144.68
8995	2.08	137.54	144.66
8997	2.05	137.53	144.67
8999	2.08	137.56	144.65
9001	2.06	137.55	144.65
9003	2.06	137.54	144.65
9005	2.11	137.54	144.66
9007	2.10	137.54	144.64

9009	2.05	137.54	144.65
9011	2.11	137.54	144.69
9013	2.08	137.53	144.66
9015	2.06	137.52	144.66
9017	2.08	137.54	144.68
9019	2.10	137.52	144.66
9021	2.04	137.55	144.65
9023	2.11	137.53	144.66
9025	2.07	137.52	144.68
9027	2.07	137.53	144.65
9029	2.08	137.54	144.65
9031	2.08	137.54	144.67
9033	2.06	137.53	144.64
9035	2.07	137.53	144.66
9037	2.05	137.52	144.64
9039	2.07	137.52	144.67
9041	2.07	137.53	144.65
9043	2.10	137.54	144.64
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9047	2.06	137.52	144.64
9049	2.09	137.55	144.65
9051	2.06	137.53	144.64
9053	2.06	137.54	144.64
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9059	2.08	137.53	144.64
9061	2.05	137.53	144.63
9063	2.10	137.50	144.62
9065	2.07	137.52	144.65
9067	2.10	137.52	144.65
9069	2.09	137.53	144.66
9071	2.11	137.54	144.63
9073	2.07	137.53	144.64
9075	2.05	137.52	144.66
9077	2.06	137.53	144.66
9079	2.06	137.52	144.62
9081	2.08	137.52	144.63
9083	2.09	137.49	144.64
9085	2.12	137.52	144.66
9087	2.10	137.53	144.64
9089	2.09	137.51	144.66
9091	2.11	137.51	144.66
9093	2.11	137.54	144.65
9095	2.08	137.51	144.64
9097	2.09	137.53	144.65
9099	2.12	137.51	144.63
9101	2.09	137.51	144.64

9103	2.09	137.51	144.65
9105	2.10	137.53	144.62
9107	2.11	137.53	144.61
9109	2.10	137.52	144.64
9111	2.12	137.50	144.64
9113	2.10	137.51	144.64
9115	2.10	137.51	144.65
9117	2.06	137.50	144.63
9119	2.09	137.49	144.63
9121	2.05	137.54	144.63
9123	2.08	137.50	144.63
9125	2.09	137.53	144.64
9127	2.08	137.50	144.64
9129	2.08	137.52	144.64
9131	2.08	137.52	144.63
9133	2.07	137.48	144.62
9135	2.13	137.49	144.64
9137	2.07	137.51	144.62
9139	2.12	137.51	144.64
9141	2.10	137.52	144.64
9143	2.10	137.52	144.65
9145	2.10	137.53	144.63
9147	2.11	137.52	144.63
9149	2.10	137.50	144.63
9151	2.07	137.50	144.60
9153	2.09	137.50	144.62
9155	2.11	137.50	144.64
9157	2.10	137.49	144.64
9159	2.10	137.50	144.62
9161	2.07	137.51	144.65
9163	2.10	137.49	144.63
9165	2.08	137.50	144.60
9167	2.12	137.51	144.62
9169	2.08	137.51	144.59
9171	2.09	137.49	144.60
9173	2.08	137.50	144.61
9175	2.08	137.50	144.60
9177	2.06	137.46	144.59
9179	2.05	137.48	144.60
9181	2.10	137.47	144.61
9183	2.07	137.47	144.59
9185	2.06	137.50	144.60
9187	2.06	137.48	144.58
9189	2.07	137.46	144.61
9191	2.08	137.47	144.60
9193	2.04	137.47	144.59
9195	2.06	137.47	144.57

9197	2.08	137.47	144.59
9199	2.06	137.48	144.60
9201	2.07	137.48	144.57
9203	2.09	137.49	144.59
9205	2.07	137.47	144.61
9207	2.08	137.49	144.60
9209	2.11	137.48	144.61
9211	2.07	137.49	144.60
9213	2.09	137.49	144.62
9215	2.10	137.50	144.60
9217	2.07	137.49	144.60
9219	2.09	137.48	144.61
9221	2.10	137.47	144.60
9223	2.10	137.49	144.59
9225	2.08	137.48	144.59
9227	2.10	137.47	144.60
9229	2.07	137.45	144.60
9231	2.06	137.48	144.59
9233	2.09	137.45	144.62
9235	2.07	137.48	144.57
9237	2.08	137.47	144.57
9239	2.05	137.48	144.58
9241	2.08	137.46	144.60
9243	2.07	137.47	144.56
9245	2.07	137.47	144.55
9247	2.07	137.45	144.54
9249	2.08	137.45	144.58
9251	2.02	137.46	144.57
9253	2.08	137.47	144.53
9255	2.09	137.46	144.58
9257	2.08	137.45	144.58
9259	2.10	137.45	144.58
9261	2.09	137.44	144.59
9263	2.08	137.44	144.59
9265	2.09	137.45	144.56
9267	2.11	137.46	144.58
9269	2.09	137.47	144.60
9271	2.07	137.46	144.57
9273	2.07	137.46	144.59
9275	2.10	137.45	144.58
9277	2.08	137.47	144.55
9279	2.09	137.47	144.55
9281	2.05	137.44	144.57
9283	2.08	137.47	144.57
9285	2.05	137.43	144.55
9287	2.09	137.44	144.56
9289	2.09	137.42	144.54

9291	2.08	137.43	144.55
9293	2.05	137.43	144.58
9295	2.06	137.42	144.56
9297	2.08	137.44	144.54
9299	2.04	137.44	144.57
9301	2.06	137.44	144.54
9303	2.06	137.46	144.57
9305	2.09	137.44	144.56
9307	2.11	137.46	144.56
9309	2.11	137.45	144.55
9311	2.08	137.42	144.54
9313	2.10	137.46	144.55
9315	2.10	137.46	144.56
9317	2.07	137.44	144.58
9319	2.07	137.43	144.56
9321	2.07	137.42	144.56
9323	2.06	137.43	144.55
9325	2.08	137.44	144.54
9327	2.07	137.43	144.55
9329	2.09	137.44	144.55
9331	2.06	137.43	144.56
9333	2.09	137.41	144.55
9335	2.05	137.42	144.53
9337	2.08	137.42	144.56
9339	2.12	137.41	144.55
9341	2.08	137.44	144.51
9343	2.10	137.41	144.54
9345	2.10	137.43	144.55
9347	2.10	137.43	144.55
9349	2.10	137.43	144.57
9351	2.11	137.43	144.55
9353	2.12	137.42	144.55
9355	2.08	137.44	144.52
9357	2.08	137.43	144.57
9359	2.09	137.41	144.53
9361	2.07	137.44	144.53
9363	2.05	137.41	144.54
9365	2.07	137.40	144.52
9367	2.09	137.41	144.52
9369	2.05	137.41	144.50
9371	2.06	137.41	144.52
9373	2.10	137.42	144.53
9375	2.06	137.43	144.50
9377	2.05	137.41	144.52
9379	2.08	137.43	144.56
9381	2.08	137.42	144.52
9383	2.07	137.40	144.51

9385	2.07	137.40	144.52
9387	2.08	137.42	144.53
9389	2.07	137.42	144.54
9391	2.10	137.41	144.52
9393	2.08	137.42	144.52
9395	2.06	137.42	144.55
9397	2.10	137.40	144.53
9399	2.06	137.42	144.52
9401	2.06	137.44	144.51
9403	2.11	137.43	144.52
9405	2.08	137.42	144.52
9407	2.04	137.42	144.54
9409	2.08	137.43	144.50
9411	2.07	137.40	144.52
9413	2.05	137.40	144.52
9415	2.11	137.42	144.52
9417	2.12	137.39	144.51
9419	2.07	137.40	144.50
9421	2.06	137.36	144.50
9423	2.05	137.38	144.50
9425	2.09	137.38	144.51
9427	2.06	137.37	144.53
9429	2.07	137.40	144.51
9431	2.10	137.39	144.50
9433	2.04	137.40	144.48
9435	2.09	137.38	144.52
9437	2.08	137.40	144.50
9439	2.07	137.38	144.50
9441	2.07	137.39	144.50
9443	2.06	137.42	144.53
9445	2.08	137.39	144.49
9447	2.08	137.40	144.48
9449	2.08	137.41	144.55
9451	2.09	137.40	144.49
9453	2.09	137.39	144.50
9455	2.06	137.39	144.51
9457	2.07	137.38	144.48
9459	2.12	137.41	144.50
9461	2.11	137.41	144.50
9463	2.08	137.40	144.51
9465	2.08	137.41	144.50
9467	2.09	137.38	144.53
9469	2.09	137.42	144.50
9471	2.08	137.39	144.53
9473	2.08	137.42	144.51
9475	2.11	137.38	144.50
9477	2.06	137.39	144.49

9479	2.12	137.38	144.53
9481	2.11	137.40	144.51
9483	2.09	137.39	144.50
9485	2.09	137.40	144.49
9487	2.09	137.39	144.49
9489	2.10	137.38	144.47
9491	2.09	137.37	144.48
9493	2.10	137.39	144.49
9495	2.10	137.40	144.50
9497	2.08	137.38	144.48
9499	2.09	137.36	144.48
9501	2.09	137.40	144.49
9503	2.11	137.40	144.48
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9507	2.11	137.40	144.51
9509	2.12	137.39	144.48
9511	2.13	137.38	144.48
9513	2.10	137.37	144.51
9515	2.07	137.37	144.47
9517	2.08	137.36	144.46
9519	2.09	137.37	144.49
9521	2.08	137.36	144.45
9523	2.07	137.37	144.48
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9527	2.11	137.38	144.48
9529	2.06	137.35	144.46
9531	2.07	137.36	144.46
9533	2.10	137.36	144.48
9535	2.10	137.36	144.47
9537	2.09	137.37	144.47
9539	2.12	137.36	144.49
9541	2.11	137.37	144.49
9543	2.09	137.36	144.46
9545	2.08	137.36	144.49
9547	2.11	137.37	144.49
9549	2.08	137.33	144.49
9551	2.08	137.35	144.46
9553	2.09	137.35	144.48
9555	2.08	137.32	144.49
9557	2.07	137.35	144.47
9559	2.09	137.34	144.50
9561	2.11	137.37	144.46
9563	2.09	137.35	144.47
9565	2.11	137.36	144.46
9567	2.09	137.34	144.45
9569	2.07	137.35	144.43
9571	2.09	137.32	144.46

9573	2.05	137.34	144.47
9575	2.07	137.33	144.47
9577	2.06	137.32	144.46
9579	2.07	137.33	144.44
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9585	2.06	137.34	144.44
9587	2.11	137.33	144.46
9589	2.10	137.34	144.45
9591	2.07	137.34	144.44
9593	2.04	137.35	144.44
9595	2.12	137.36	144.46
9597	2.09	137.34	144.45
9599	2.11	137.32	144.47
9601	2.11	137.35	144.44
9603	2.10	137.35	144.46
9605	2.13	137.35	144.44
9607	2.10	137.35	144.46
9609	2.08	137.32	144.46
9611	2.07	137.34	144.46
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9619	2.13	137.34	144.45
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9623	2.06	137.36	144.41
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9631	2.08	137.35	144.41
9633	2.09	137.32	144.45
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9637	2.10	137.33	144.40
9639	2.09	137.33	144.44
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9643	2.08	137.32	144.40
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9647	2.07	137.32	144.41
9649	2.06	137.33	144.43
9651	2.06	137.30	144.44
9653	2.06	137.33	144.41
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9657	2.05	137.32	144.41
9659	2.07	137.31	144.42
9661	2.09	137.33	144.44
9663	2.08	137.32	144.41
9665	2.07	137.32	144.42

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9691	2.08	137.31	144.40
9693	2.08	137.32	144.42
9695	2.10	137.32	144.40
9697	2.10	137.30	144.42
9699	2.10	137.30	144.41
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9745	2.06	137.29	144.39
9747	2.08	137.27	144.39
9749	2.08	137.29	144.40
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9755	2.08	137.27	144.38
9757	2.07	137.28	144.41
9759	2.06	137.29	144.40

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9771	2.10	137.27	144.40
9773	2.07	137.26	144.36
9775	2.07	137.29	144.38
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9779	2.11	137.28	144.37
9781	2.03	137.28	144.38
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9833	2.09	137.29	144.38
9835	2.09	137.27	144.37
9837	2.08	137.25	144.41
9839	2.10	137.25	144.35
9841	2.10	137.26	144.39
9843	2.08	137.27	144.36
9845	2.08	137.26	144.35
9847	2.08	137.27	144.36
9849	2.11	137.28	144.36
9851	2.11	137.25	144.38
9853	2.07	137.28	144.35

9855	2.07	137.26	144.38
9857	2.08	137.26	144.39
9859	2.10	137.29	144.38
9861	2.08	137.26	144.38
9863	2.07	137.26	144.36
9865	2.09	137.24	144.39
9867	2.06	137.25	144.36
9869	2.07	137.27	144.35
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9875	2.06	137.25	144.37
9877	2.10	137.25	144.35
9879	2.07	137.23	144.34
9881	2.07	137.25	144.34
9883	2.05	137.25	144.35
9885	2.06	137.24	144.35
9887	2.08	137.26	144.35
9889	2.09	137.24	144.36
9891	2.08	137.24	144.34
9893	2.04	137.23	144.33
9895	2.10	137.25	144.34
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9899	2.09	137.24	144.35
9901	2.07	137.24	144.31
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9917	2.08	137.25	144.36
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9923	2.08	137.24	144.37
9925	2.12	137.25	144.35
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9937	2.12	137.23	144.34
9939	2.09	137.22	144.33
9941	2.07	137.23	144.35
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9945	2.08	137.23	144.34
9947	2.05	137.22	144.33

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9979	2.06	137.22	144.29
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9983	2.09	137.21	144.31
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9987	2.05	137.21	144.31
9989	2.05	137.22	144.32
9991	2.08	137.20	144.30
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9995	2.11	137.20	144.31
9997	2.11	137.20	144.35
9999	2.08	137.21	144.33
10001	2.06	137.21	144.31
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10005	2.07	137.23	144.31
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10017	2.09	137.21	144.32
10019	2.08	137.21	144.30
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10025	2.05	137.18	144.29
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10031	2.07	137.17	144.28
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10087	2.08	137.19	144.27
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10127	2.09	137.18	144.28
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10133	2.12	137.17	144.28
10135	2.09	137.17	144.28

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10139	2.11	137.17	144.26
10141	2.06	137.17	144.26
10143	2.09	137.16	144.25
10145	2.08	137.16	144.29
10147	2.07	137.15	144.25
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10159	2.07	137.17	144.24
10161	2.07	137.15	144.27
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10189	2.08	137.13	144.27
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10209	2.06	137.16	144.24
10211	2.09	137.15	144.26
10213	2.09	137.15	144.24
10215	2.04	137.15	144.27
10217	2.09	137.16	144.25
10219	2.09	137.14	144.26
10221	2.06	137.12	144.28
10223	2.10	137.15	144.25
10225	2.08	137.14	144.25
10227	2.09	137.14	144.23
10229	2.08	137.13	144.24

10231	2.08	137.12	144.26
10233	2.06	137.13	144.24
10235	2.08	137.13	144.23
10237	2.06	137.12	144.23
10239	2.09	137.14	144.26
10241	2.07	137.13	144.22
10243	2.09	137.14	144.24
10245	2.07	137.11	144.23
10247	2.10	137.14	144.23
10249	2.09	137.12	144.25
10251	2.10	137.12	144.22
10253	2.08	137.13	144.22
10255	2.07	137.12	144.24
10257	2.08	137.12	144.24
10259	2.07	137.12	144.24
10261	2.08	137.12	144.23
10263	2.06	137.12	144.25
10265	2.09	137.11	144.24
10267	2.02	137.14	144.21
10269	2.08	137.13	144.22
10271	2.08	137.12	144.22
10273	2.08	137.12	144.21
10275	2.09	137.11	144.20
10277	2.07	137.11	144.24
10279	2.06	137.13	144.22
10281	2.07	137.11	144.23
10283	2.07	137.10	144.21
10285	2.06	137.11	144.23
10287	2.10	137.10	144.20
10289	2.08	137.12	144.22
10291	2.07	137.14	144.22
10293	2.05	137.07	144.23
10295	2.09	137.12	144.21
10297	2.09	137.12	144.24
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10301	2.10	137.12	144.23
10303	2.09	137.14	144.21
10305	2.09	137.14	144.23
10307	2.09	137.12	144.20
10309	2.07	137.10	144.19
10311	2.07	137.11	144.22
10313	2.07	137.12	144.25
10315	2.08	137.09	144.19
10317	2.07	137.11	144.23
10319	2.05	137.12	144.19
10321	2.06	137.11	144.21
10323	2.06	137.09	144.20

10325	2.10	137.12	144.22
10327	2.06	137.09	144.20
10329	2.08	137.10	144.19
10331	2.08	137.10	144.20
10333	2.06	137.09	144.21
10335	2.05	137.10	144.21
10337	2.05	137.11	144.21
10339	2.09	137.09	144.22
10341	2.07	137.12	144.19
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10345	2.09	137.12	144.21
10347	2.09	137.10	144.21
10349	2.09	137.09	144.21
10351	2.07	137.10	144.19
10353	2.10	137.12	144.19
10355	2.12	137.12	144.20
10357	2.07	137.10	144.22
10359	2.10	137.10	144.20
10361	2.09	137.09	144.23
10363	2.11	137.12	144.19
10365	2.09	137.10	144.19
10367	2.08	137.10	144.20
10369	2.11	137.09	144.21
10371	2.10	137.09	144.21
10373	2.12	137.09	144.20
10375	2.13	137.10	144.19
10377	2.08	137.11	144.20
10379	2.09	137.12	144.17
10381	2.12	137.10	144.18
10383	2.06	137.11	144.19
10385	2.10	137.11	144.18
10387	2.09	137.12	144.16
10389	2.07	137.10	144.20
10391	2.07	137.11	144.19
10393	2.10	137.10	144.18
10395	2.10	137.09	144.18
10397	2.07	137.10	144.18
10399	2.07	137.09	144.18
10401	2.09	137.09	144.19
10403	2.04	137.09	144.17
10405	2.07	137.08	144.17
10407	2.06	137.07	144.16
10409	2.09	137.08	144.16
10411	2.08	137.05	144.17
10413	2.09	137.09	144.16
10415	2.09	137.07	144.15
10417	2.05	137.07	144.16

10419	2.06	137.09	144.17
10421	2.05	137.08	144.20
10423	2.07	137.10	144.17
10425	2.10	137.07	144.17
10427	2.07	137.09	144.19
10429	2.09	137.07	144.15
10431	2.07	137.09	144.18
10433	2.06	137.07	144.17
10435	2.05	137.08	144.17
10437	2.08	137.09	144.19
10439	2.08	137.05	144.15
10441	2.07	137.08	144.16
10443	2.05	137.06	144.16
10445	2.07	137.06	144.18
10447	2.06	137.07	144.16
10449	2.04	137.05	144.18
10451	2.02	137.09	144.15
10453	2.06	137.05	144.14
10455	2.09	137.06	144.14
10457	2.04	137.04	144.15
10459	2.06	137.05	144.14
10461	2.07	137.07	144.18
10463	2.07	137.06	144.16
10465	2.08	137.07	144.15
10467	2.08	137.05	144.17
10469	2.08	137.07	144.15
10471	2.07	137.07	144.16
10473	2.09	137.07	144.15
10475	2.06	137.06	144.16
10477	2.10	137.06	144.18
10479	2.10	137.06	144.18
10481	2.10	137.08	144.14
10483	2.09	137.06	144.17
10485	2.11	137.07	144.18
10487	2.10	137.06	144.17
10489	2.07	137.06	144.18
10491	2.10	137.08	144.14
10493	2.09	137.10	144.15
10495	2.10	137.04	144.16
10497	2.08	137.08	144.16
10499	2.08	137.07	144.16
10501	2.10	137.05	144.14
10503	2.10	137.06	144.16
10505	2.08	137.03	144.12
10507	2.07	137.04	144.15
10509	2.05	137.05	144.14
10511	2.08	137.05	144.15

10513	2.05	137.04	144.16
10515	2.08	137.06	144.15
10517	2.07	137.00	144.13
10519	2.06	137.03	144.15
10521	2.10	137.04	144.17
10523	2.06	137.05	144.14
10525	2.06	137.02	144.11
10527	2.08	137.04	144.12
10529	2.07	137.04	144.16
10531	2.08	137.04	144.13
10533	2.05	137.01	144.14
10535	2.07	137.04	144.13
10537	2.08	137.03	144.13
10539	2.08	137.04	144.12
10541	2.08	137.03	144.14
10543	2.08	137.05	144.15
10545	2.09	137.04	144.11
10547	2.09	137.05	144.15
10549	2.08	137.04	144.13
10551	2.07	137.05	144.16
10553	2.11	137.05	144.14
10555	2.10	137.04	144.13
10557	2.08	137.06	144.13
10559	2.11	137.04	144.13
10561	2.13	137.06	144.17
10563	2.09	137.03	144.14
10565	2.09	137.05	144.15
10567	2.11	137.05	144.14
10569	2.07	137.04	144.13
10571	2.09	137.04	144.13
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10575	2.09	137.03	144.13
10577	2.11	137.05	144.14
10579	2.13	137.04	144.15
10581	2.10	137.02	144.13
10583	2.10	137.05	144.12
10585	2.09	137.05	144.10
10587	2.12	137.04	144.15
10589	2.09	137.04	144.12
10591	2.10	137.04	144.12
10593	2.08	137.01	144.11
10595	2.14	137.02	144.11
10597	2.08	137.03	144.11
10599	2.08	137.02	144.12
10601	2.09	137.03	144.13
10603	2.09	137.04	144.11
10605	2.08	137.02	144.13

10607	2.09	137.01	144.10
10609	2.08	137.01	144.13
10611	2.09	137.02	144.09
10613	2.06	137.02	144.10
10615	2.04	137.02	144.14
10617	2.07	137.02	144.10
10619	2.06	137.03	144.12
10621	2.08	137.02	144.10
10623	2.09	137.02	144.10
10625	2.10	137.03	144.11
10627	2.06	137.01	144.11
10629	2.11	137.06	144.11
10631	2.09	137.01	144.11
10633	2.10	137.01	144.14
10635	2.05	137.03	144.12
10637	2.08	137.02	144.10
10639	2.09	136.99	144.10
10641	2.09	137.00	144.12
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10645	2.06	137.00	144.10
10647	2.07	136.99	144.09
10649	2.07	137.01	144.10
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10653	2.06	137.00	144.09
10655	2.02	137.03	144.08
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10659	2.09	137.02	144.11
10661	2.06	137.00	144.09
10663	2.06	137.01	144.11
10665	2.09	137.01	144.11
10667	2.06	136.99	144.09
10669	2.11	137.02	144.11
10671	2.05	137.01	144.09
10673	2.06	137.02	144.08
10675	2.09	137.00	144.09
10677	2.13	137.02	144.11
10679	2.07	137.02	144.10
10681	2.07	137.02	144.10
10683	2.14	137.01	144.11
10685	2.08	137.02	144.11
10687	2.10	136.99	144.09
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10693	2.07	137.00	144.10
10695	2.07	136.99	144.08
10697	2.05	137.00	144.07
10699	2.08	136.99	144.10

10701	2.06	136.98	144.08
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10707	2.06	136.98	144.06
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10711	2.08	137.00	144.10
10713	2.08	137.00	144.06
10715	2.12	136.99	144.09
10717	2.10	137.01	144.09
10719	2.07	136.99	144.08
10721	2.09	136.98	144.10
10723	2.08	137.01	144.09
10725	2.11	136.99	144.10
10727	2.09	136.97	144.08
10729	2.08	136.98	144.09
10731	2.07	136.99	144.09
10733	2.09	136.98	144.08
10735	2.07	136.97	144.09
10737	2.06	136.96	144.06
10739	2.07	136.96	144.07
10741	2.06	136.97	144.09
10743	2.06	136.97	144.06
10745	2.03	136.96	144.07
10747	2.08	136.97	144.08
10749	2.07	136.94	144.08
10751	2.06	136.97	144.05
10753	2.09	136.98	144.08
10755	2.09	136.98	144.07
10757	2.07	136.96	144.09
10759	2.09	136.98	144.11
10761	2.12	136.99	144.07
10763	2.08	136.98	144.07
10765	2.08	136.97	144.06
10767	2.08	136.98	144.08
10769	2.09	136.99	144.06
10771	2.08	136.95	144.07
10773	2.10	136.95	144.05
10775	2.11	136.96	144.06
10777	2.10	136.97	144.07
10779	2.08	136.97	144.07
10781	2.07	136.93	144.06
10783	2.05	136.97	144.06
10785	2.10	136.94	144.08
10787	2.08	136.96	144.04
10789	2.08	136.95	144.06
10791	2.05	136.96	144.03
10793	2.05	136.94	144.04

10795	2.04	136.96	144.04
10797	2.06	136.95	144.06
10799	2.08	136.94	144.06
10801	2.07	136.97	144.04
10803	2.06	136.95	144.05
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10807	2.08	136.95	144.05
10809	2.05	136.96	144.04
10811	2.07	136.96	144.06
10813	2.09	136.96	144.06
10815	2.08	136.96	144.05
10817	2.09	136.95	144.07
10819	2.09	136.99	144.05
10821	2.09	136.97	144.04
10823	2.07	136.96	144.03
10825	2.08	136.95	144.04
10827	2.07	136.95	144.05
10829	2.09	136.96	144.03
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10833	2.09	136.95	144.05
10835	2.06	136.96	144.02
10837	2.07	136.92	144.04
10839	2.06	136.94	144.04
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10845	2.08	136.93	144.03
10847	2.06	136.94	144.02
10849	2.06	136.94	144.07
10851	2.09	136.93	144.04
10853	2.09	136.94	144.05
10855	2.11	136.95	144.05
10857	2.11	136.95	144.04
10859	2.09	136.94	144.04
10861	2.07	136.92	144.02
10863	2.07	136.95	144.03
10865	2.11	136.95	144.04
10867	2.07	136.91	144.04
10869	2.06	136.94	144.05
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10873	2.09	136.94	144.03
10875	2.09	136.90	144.02
10877	2.05	136.93	144.03
10879	2.10	136.92	144.03
10881	2.08	136.95	144.02
10883	2.07	136.93	144.02
10885	2.07	136.92	144.03
10887	2.06	136.93	144.03

10889	2.08	136.94	144.04
10891	2.08	136.91	144.02
10893	2.08	136.92	144.02
10895	2.11	136.94	144.03
10897	2.07	136.93	144.01
10899	2.08	136.92	144.04
10901	2.08	136.94	144.01
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10905	2.04	136.94	144.02
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10911	2.08	136.94	144.01
10913	2.09	136.93	144.01
10915	2.06	136.92	144.02
10917	2.07	136.90	144.02
10919	2.06	136.94	144.03
10921	2.06	136.90	144.03
10923	2.09	136.94	144.02
10925	2.09	136.90	144.03
10927	2.08	136.95	144.02
10929	2.09	136.94	144.03
10931	2.07	136.92	144.05
10933	2.10	136.93	144.03
10935	2.07	136.92	144.01
10937	2.06	136.91	144.03
10939	2.06	136.90	144.02
10941	2.07	136.90	144.02
10943	2.06	136.89	144.00
10945	2.05	136.88	144.01
10947	2.07	136.91	144.03
10949	2.09	136.89	143.98
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10973	2.08	136.91	143.99
10975	2.07	136.90	144.00
10977	2.12	136.89	144.01
10979	2.09	136.90	143.99
10981	2.05	136.90	144.00

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10985	2.09	136.87	144.00
10987	2.07	136.88	143.99
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11009	2.03	136.90	143.98
11011	2.07	136.89	143.99
11013	2.09	136.89	143.96
11015	2.05	136.91	143.97
11017	2.04	136.87	143.96
11019	2.07	136.88	143.96
11021	2.08	136.89	144.00
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11037	2.07	136.89	143.96
11039	2.08	136.87	143.97
11041	2.08	136.88	143.98
11043	2.10	136.88	143.99
11045	2.06	136.88	143.98
11047	2.05	136.88	143.96
11049	2.07	136.89	143.96
11051	2.10	136.87	143.97
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11055	2.03	136.87	143.97
11057	2.08	136.87	143.98
11059	2.07	136.87	143.97
11061	2.08	136.87	143.97
11063	2.09	136.87	143.97
11065	2.10	136.88	144.00
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11071	2.08	136.87	143.97
11073	2.07	136.87	143.96
11075	2.06	136.87	143.97

11077	2.05	136.85	143.96
11079	2.06	136.88	143.95
11081	2.06	136.87	143.98
11083	2.08	136.87	143.97
11085	2.06	136.86	143.96
11087	2.06	136.84	143.97
11089	2.08	136.85	143.96
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11093	2.05	136.86	143.96
11095	2.09	136.87	143.98
11097	2.11	136.88	143.99
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11101	2.11	136.87	143.98
11103	2.08	136.89	143.95
11105	2.09	136.87	143.96
11107	2.10	136.85	143.99
11109	2.05	136.86	143.96
11111	2.08	136.85	143.97
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11115	2.06	136.84	143.95
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11119	2.08	136.84	143.96
11121	2.08	136.83	143.96
11123	2.05	136.85	143.97
11125	2.06	136.86	143.96
11127	2.08	136.83	143.94
11129	2.07	136.86	143.96
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11135	2.05	136.86	143.97
11137	2.11	136.87	143.98
11139	2.08	136.85	143.94
11141	2.08	136.84	143.96
11143	2.11	136.85	143.93
11145	2.10	136.86	143.96
11147	2.08	136.86	143.95
11149	2.06	136.86	143.92
11151	2.06	136.86	143.96
11153	2.05	136.83	143.96
11155	2.03	136.85	143.93
11157	2.10	136.86	143.93
11159	2.06	136.83	143.94
11161	2.05	136.83	143.93
11163	2.06	136.85	143.93
11165	2.07	136.82	143.96
11167	2.06	136.85	143.93
11169	2.06	136.84	143.92

11171	2.05	136.86	143.95
11173	2.06	136.85	143.93
11175	2.06	136.84	143.96
11177	2.10	136.84	143.95
11179	2.09	136.83	143.93
11181	2.07	136.83	143.93
11183	2.07	136.86	143.95
11185	2.08	136.82	143.95
11187	2.08	136.86	143.94
11189	2.10	136.84	143.95
11191	2.08	136.82	143.95
11193	2.10	136.85	143.95
11195	2.06	136.83	143.93
11197	2.10	136.84	143.93
11199	2.09	136.85	143.96
11201	2.07	136.84	143.94
11203	2.07	136.81	143.93
11205	2.12	136.84	143.95
11207	2.10	136.84	143.93
11209	2.07	136.83	143.92
11211	2.10	136.83	143.95
11213	2.08	136.82	143.93
11215	2.03	136.83	143.93
11217	2.10	136.84	143.93
11219	2.06	136.81	143.94
11221	2.07	136.80	143.91
11223	2.09	136.82	143.92
11225	2.07	136.81	143.93
11227	2.08	136.83	143.92
11229	2.08	136.82	143.92
11231	2.08	136.82	143.92
11233	2.06	136.81	143.91
11235	2.03	136.83	143.92
11237	2.06	136.82	143.92
11239	2.06	136.80	143.90
11241	2.05	136.81	143.89
11243	2.10	136.83	143.91
11245	2.06	136.81	143.92
11247	2.04	136.82	143.93
11249	2.07	136.81	143.91
11251	2.08	136.79	143.92
11253	2.05	136.80	143.88
11255	2.08	136.83	143.91
11257	2.08	136.80	143.91
11259	2.04	136.81	143.92
11261	2.07	136.79	143.88
11263	2.07	136.79	143.90

11265	2.09	136.80	143.90
11267	2.09	136.83	143.90
11269	2.06	136.80	143.91
11271	2.04	136.79	143.89
11273	2.08	136.81	143.91
11275	2.05	136.82	143.92
11277	2.07	136.80	143.92
11279	2.09	136.80	143.90
11281	2.08	136.82	143.92
11283	2.10	136.81	143.92
11285	2.06	136.83	143.93
11287	2.11	136.85	143.93
11289	2.13	136.83	143.92
11291	2.12	136.80	143.90
11293	2.08	136.82	143.92
11295	2.09	136.80	143.93
11297	2.10	136.83	143.92
11299	2.10	136.81	143.91
11301	2.10	136.82	143.93
11303	2.06	136.80	143.90
11305	2.09	136.82	143.93
11307	2.08	136.79	143.92
11309	2.10	136.81	143.95
11311	2.05	136.80	143.90
11313	2.06	136.76	143.91
11315	2.10	136.80	143.90
11317	2.08	136.82	143.92
11319	2.09	136.79	143.92
11321	2.00	136.79	143.92
11323	2.07	136.79	143.91
11325	2.08	136.79	143.91
11327	2.04	136.76	143.89
11329	2.04	136.79	143.93
11331	2.06	136.81	143.91
11333	2.07	136.78	143.92
11335	2.09	136.79	143.89
11337	2.07	136.79	143.92
11339	2.09	136.79	143.91
11341	2.06	136.79	143.93
11343	2.09	136.81	143.94
11345	2.08	136.79	143.92
11347	2.10	136.79	143.91
11349	2.08	136.79	143.90
11351	2.10	136.78	143.92
11353	2.11	136.79	143.90
11355	2.10	136.80	143.91
11357	2.11	136.80	143.96

11359	2.11	136.78	143.90
11361	2.06	136.77	143.92
11363	2.06	136.79	143.90
11365	2.09	136.79	143.91
11367	2.08	136.79	143.90
11369	2.12	136.79	143.94
11371	2.11	136.78	143.90
11373	2.09	136.77	143.91
11375	2.12	136.78	143.92
11377	2.10	136.80	143.90
11379	2.09	136.77	143.91
11381	2.08	136.79	143.90
11383	2.08	136.80	143.93
11385	2.08	136.78	143.91
11387	2.10	136.80	143.90
11389	2.07	136.78	143.90
11391	2.06	136.78	143.89
11393	2.09	136.77	143.91
11395	2.08	136.78	143.92
11397	2.10	136.77	143.92
11399	2.08	136.77	143.91
11401	2.09	136.78	143.90
11403	2.05	136.78	143.90
11405	2.11	136.75	143.92
11407	2.12	136.78	143.92
11409	2.10	136.76	143.91
11411	2.08	136.77	143.90
11413	2.09	136.78	143.91
11415	2.09	136.78	143.89
11417	2.08	136.77	143.92
11419	2.08	136.77	143.91
11421	2.07	136.76	143.89
11423	2.07	136.76	143.89
11425	2.11	136.76	143.89
11427	2.04	136.74	143.87
11429	2.05	136.73	143.88
11431	2.07	136.77	143.86
11433	2.06	136.74	143.87
11435	2.07	136.76	143.87
11437	2.08	136.75	143.88
11439	2.07	136.74	143.87
11441	2.08	136.77	143.88
11443	2.07	136.76	143.86
11445	2.08	136.74	143.89
11447	2.07	136.74	143.86
11449	2.08	136.75	143.87
11451	2.07	136.76	143.87

11453	2.04	136.76	143.88
11455	2.08	136.74	143.89
11457	2.08	136.74	143.87
11459	2.06	136.76	143.86
11461	2.13	136.74	143.89
11463	2.10	136.74	143.88
11465	2.11	136.75	143.89
11467	2.10	136.76	143.89
11469	2.09	136.77	143.87
11471	2.08	136.76	143.89
11473	2.13	136.77	143.88
11475	2.09	136.76	143.88
11477	2.09	136.77	143.85
11479	2.11	136.73	143.89
11481	2.10	136.73	143.88
11483	2.07	136.75	143.87
11485	2.08	136.75	143.88
11487	2.13	136.74	143.87
11489	2.06	136.73	143.85
11491	2.09	136.75	143.87
11493	2.06	136.73	143.85
11495	2.08	136.74	143.88
11497	2.07	136.75	143.87
11499	2.08	136.73	143.88
11501	2.06	136.72	143.86
11503	2.08	136.73	143.82
11505	2.06	136.74	143.87
11507	2.07	136.76	143.85
11509	2.06	136.73	143.85
11511	2.08	136.75	143.86
11513	2.07	136.74	143.84
11515	2.05	136.74	143.86
11517	2.06	136.73	143.84
11519	2.08	136.74	143.86
11521	2.06	136.73	143.86
11523	2.06	136.72	143.85
11525	2.06	136.74	143.84
11527	2.07	136.73	143.84
11529	2.10	136.74	143.85
11531	2.08	136.73	143.83
11533	2.04	136.74	143.86
11535	2.08	136.73	143.86
11537	2.02	136.72	143.85
11539	2.05	136.73	143.86
11541	2.09	136.74	143.86
11543	2.07	136.73	143.83
11545	2.11	136.73	143.83

11547	2.06	136.72	143.85
11549	2.06	136.70	143.82
11551	2.07	136.73	143.84
11553	2.07	136.72	143.84
11555	2.09	136.73	143.86
11557	2.11	136.72	143.85
11559	2.06	136.73	143.85
11561	2.06	136.72	143.84
11563	2.13	136.72	143.87
11565	2.09	136.74	143.87
11567	2.10	136.72	143.86
11569	2.11	136.73	143.84
11571	2.09	136.73	143.82
11573	2.10	136.74	143.86
11575	2.11	136.73	143.84
11577	2.09	136.70	143.83
11579	2.06	136.70	143.85
11581	2.07	136.71	143.84
11583	2.07	136.72	143.87
11585	2.07	136.71	143.84
11587	2.10	136.72	143.87
11589	2.08	136.71	143.85
11591	2.09	136.71	143.85
11593	2.09	136.70	143.84
11595	2.08	136.69	143.82
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11599	2.07	136.70	143.82
11601	2.06	136.72	143.83
11603	2.07	136.72	143.83
11605	2.07	136.70	143.81
11607	2.07	136.71	143.83
11609	2.06	136.70	143.83
11611	2.06	136.70	143.81
11613	2.05	136.68	143.82
11615	2.06	136.70	143.81
11617	2.08	136.69	143.82
11619	2.09	136.70	143.80
11621	2.08	136.72	143.82
11623	2.09	136.68	143.81
11625	2.08	136.70	143.83
11627	2.08	136.72	143.81
11629	2.08	136.68	143.81
11631	2.07	136.71	143.82
11633	2.10	136.70	143.82
11635	2.11	136.70	143.86
11637	2.08	136.69	143.85
11639	2.08	136.71	143.81

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11643	2.09	136.71	143.83
11645	2.10	136.71	143.82
11647	2.08	136.71	143.82
11649	2.06	136.69	143.81
11651	2.11	136.68	143.87
11653	2.09	136.68	143.83
11655	2.08	136.65	143.82
11657	2.08	136.71	143.82
11659	2.06	136.69	143.80
11661	2.04	136.67	143.82
11663	2.10	136.68	143.81
11665	2.07	136.67	143.79
11667	2.09	136.69	143.81
11669	2.07	136.66	143.81
11671	2.05	136.68	143.79
11673	2.07	136.70	143.81
11675	2.09	136.65	143.80
11677	2.07	136.68	143.78
11679	2.06	136.66	143.79
11681	2.09	136.70	143.81
11683	2.09	136.68	143.83
11685	2.07	136.66	143.83
11687	2.11	136.68	143.79
11689	2.08	136.68	143.80
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11693	2.09	136.69	143.80
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11697	2.08	136.67	143.80
11699	2.10	136.68	143.81
11701	2.07	136.66	143.80
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11711	2.08	136.64	143.80
11713	2.10	136.66	143.77
11715	2.10	136.67	143.80
11717	2.04	136.66	143.79
11719	2.09	136.65	143.78
11721	2.04	136.63	143.77
11723	2.08	136.66	143.78
11725	2.05	136.65	143.78
11727	2.07	136.66	143.78
11729	2.05	136.66	143.78
11731	2.07	136.66	143.77
11733	2.08	136.65	143.80

11735	2.09	136.64	143.77
11737	2.05	136.64	143.78
11739	2.06	136.64	143.75
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11743	2.07	136.66	143.75
11745	2.05	136.65	143.78
11747	2.05	136.63	143.81
11749	2.08	136.64	143.77
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11755	2.07	136.64	143.78
11757	2.07	136.65	143.77
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11761	2.06	136.65	143.76
11763	2.08	136.63	143.78
11765	2.08	136.64	143.75
11767	2.09	136.64	143.77
11769	2.07	136.64	143.75
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11773	2.07	136.61	143.77
11775	2.10	136.62	143.77
11777	2.05	136.64	143.74
11779	2.07	136.65	143.78
11781	2.07	136.63	143.78
11783	2.09	136.63	143.76
11785	2.07	136.65	143.76
11787	2.07	136.65	143.77
11789	2.10	136.63	143.75
11791	2.08	136.64	143.74
11793	2.09	136.65	143.76
11795	2.10	136.63	143.77
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11799	2.08	136.64	143.77
11801	2.08	136.64	143.75
11803	2.08	136.64	143.76
11805	2.10	136.62	143.77
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11809	2.09	136.67	143.76
11811	2.07	136.62	143.77
11813	2.08	136.65	143.78
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11819	2.08	136.65	143.78
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11823	2.09	136.64	143.77
11825	2.12	136.63	143.77
11827	2.08	136.63	143.78

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11831	2.07	136.61	143.75
11833	2.12	136.64	143.77
11835	2.08	136.62	143.76
11837	2.10	136.64	143.74
11839	2.11	136.65	143.76
11841	2.10	136.61	143.77
11843	2.08	136.62	143.76
11845	2.11	136.63	143.78
11847	2.10	136.62	143.80
11849	2.07	136.62	143.76
11851	2.07	136.61	143.75
11853	2.05	136.63	143.77
11855	2.08	136.62	143.75
11857	2.08	136.61	143.74
11859	2.05	136.60	143.74
11861	2.09	136.59	143.75
11863	2.10	136.60	143.74
11865	2.07	136.60	143.75
11867	2.11	136.61	143.76
11869	2.08	136.61	143.76
11871	2.08	136.62	143.75
11873	2.11	136.62	143.75
11875	2.07	136.63	143.74
11877	2.10	136.62	143.75
11879	2.06	136.60	143.75
11881	2.08	136.64	143.74
11883	2.08	136.62	143.75
11885	2.08	136.62	143.72
11887	2.09	136.57	143.75
11889	2.08	136.59	143.73
11891	2.10	136.61	143.73
11893	2.06	136.61	143.74
11895	2.06	136.61	143.72
11897	2.07	136.60	143.71
11899	2.06	136.60	143.72
11901	2.07	136.58	143.74
11903	2.08	136.60	143.73
11905	2.06	136.59	143.73
11907	2.05	136.60	143.73
11909	2.08	136.59	143.71
11911	2.08	136.59	143.73
11913	2.07	136.60	143.73
11915	2.10	136.61	143.73
11917	2.10	136.59	143.72
11919	2.05	136.57	143.73
11921	2.10	136.59	143.74

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11937	2.06	136.57	143.71
11939	2.06	136.57	143.71
11941	2.09	136.60	143.71
11943	2.06	136.60	143.71
11945	2.11	136.59	143.72
11947	2.08	136.60	143.71
11949	2.09	136.58	143.72
11951	2.08	136.59	143.74
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11955	2.11	136.60	143.74
11957	2.09	136.58	143.69
11959	2.04	136.57	143.70
11961	2.08	136.57	143.73
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11967	2.06	136.57	143.71
11969	2.07	136.56	143.69
11971	2.08	136.57	143.70
11973	2.09	136.56	143.70
11975	2.09	136.58	143.73
11977	2.07	136.59	143.72
11979	2.05	136.59	143.69
11981	2.08	136.58	143.70
11983	2.09	136.56	143.70
11985	2.08	136.57	143.72
11987	2.06	136.59	143.71
11989	2.07	136.57	143.72
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12001	2.07	136.59	143.71
12003	2.07	136.56	143.67
12005	2.09	136.58	143.68
12007	2.07	136.59	143.70
12009	2.07	136.57	143.71
12011	2.09	136.58	143.69
12013	2.08	136.57	143.72
12015	2.07	136.57	143.70

12017	2.11	136.57	143.69
12019	2.10	136.60	143.68
12021	2.08	136.57	143.68
12023	2.10	136.56	143.70
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12027	2.08	136.56	143.69
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12033	2.04	136.55	143.68
12035	2.09	136.57	143.71
12037	2.08	136.55	143.68
12039	2.07	136.56	143.70
12041	2.09	136.54	143.68
12043	2.10	136.56	143.69
12045	2.06	136.54	143.68
12047	2.07	136.55	143.67
12049	2.06	136.56	143.67
12051	2.06	136.56	143.68
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12055	2.07	136.55	143.70
12057	2.08	136.57	143.68
12059	2.10	136.55	143.70
12061	2.09	136.54	143.69
12063	2.07	136.56	143.67
12065	2.10	136.56	143.68
12067	2.10	136.55	143.66
12069	2.10	136.57	143.71
12071	2.08	136.56	143.67
12073	2.05	136.52	143.68
12075	2.09	136.54	143.70
12077	2.07	136.57	143.66
12079	2.09	136.55	143.68
12081	2.07	136.54	143.69
12083	2.09	136.56	143.65
12085	2.08	136.54	143.71
12087	2.07	136.54	143.69
12089	2.08	136.55	143.68
12091	2.05	136.52	143.68
12093	2.09	136.51	143.65
12095	2.06	136.55	143.69
12097	2.04	136.55	143.68
12099	2.07	136.52	143.67
12101	2.09	136.54	143.67
12103	2.06	136.50	143.66
12105	2.09	136.53	143.67
12107	2.11	136.55	143.66
12109	2.08	136.53	143.64

12111	2.06	136.54	143.67
12113	2.07	136.55	143.66
12115	2.09	136.53	143.64
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12119	2.07	136.53	143.66
12121	2.08	136.53	143.66
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12131	2.06	136.54	143.66
12133	2.10	136.52	143.67
12135	2.05	136.52	143.67
12137	2.07	136.51	143.68
12139	2.09	136.52	143.67
12141	2.13	136.51	143.66
12143	2.08	136.52	143.68
12145	2.08	136.55	143.65
12147	2.09	136.54	143.68
12149	2.10	136.53	143.65
12151	2.09	136.54	143.65
12153	2.08	136.54	143.64
12155	2.09	136.52	143.67
12157	2.08	136.53	143.69
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12163	2.08	136.53	143.65
12165	2.07	136.53	143.66
12167	2.12	136.54	143.67
12169	2.09	136.51	143.64
12171	2.10	136.51	143.66
12173	2.08	136.53	143.65
12175	2.08	136.52	143.65
12177	2.09	136.49	143.64
12179	2.10	136.52	143.64
12181	2.06	136.52	143.63
12183	2.08	136.51	143.64
12185	2.10	136.52	143.65
12187	2.08	136.52	143.64
12189	2.08	136.51	143.64
12191	2.07	136.51	143.64
12193	2.05	136.50	143.63
12195	2.04	136.51	143.62
12197	2.07	136.49	143.63
12199	2.09	136.49	143.62
12201	2.06	136.50	143.62
12203	2.04	136.49	143.65

12205	2.07	136.50	143.61
12207	2.08	136.50	143.63
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12211	2.08	136.49	143.61
12213	2.07	136.49	143.64
12215	2.06	136.50	143.61
12217	2.09	136.52	143.62
12219	2.07	136.50	143.63
12221	2.07	136.49	143.62
12223	2.04	136.51	143.64
12225	2.06	136.49	143.63
12227	2.07	136.50	143.63
12229	2.09	136.48	143.63
12231	2.06	136.51	143.61
12233	2.06	136.48	143.62
12235	2.08	136.48	143.64
12237	2.05	136.48	143.62
12239	2.09	136.51	143.63
12241	2.09	136.49	143.65
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12247	2.08	136.49	143.61
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12255	2.07	136.49	143.61
12257	2.05	136.49	143.61
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12263	2.08	136.49	143.60
12265	2.09	136.50	143.61
12267	2.05	136.49	143.60
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12275	2.09	136.49	143.62
12277	2.07	136.47	143.61
12279	2.07	136.48	143.60
12281	2.09	136.47	143.58
12283	2.07	136.48	143.62
12285	2.08	136.46	143.60
12287	2.08	136.47	143.61
12289	2.10	136.49	143.60
12291	2.05	136.48	143.59
12293	2.05	136.50	143.63
12295	2.07	136.49	143.62
12297	2.05	136.49	143.62

12299	2.11	136.46	143.64
12301	2.09	136.47	143.60
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12307	2.08	136.48	143.62
12309	2.07	136.48	143.61
12311	2.10	136.49	143.60
12313	2.08	136.47	143.61
12315	2.09	136.50	143.61
12317	2.08	136.47	143.61
12319	2.08	136.50	143.63
12321	2.07	136.47	143.58
12323	2.09	136.48	143.61
12325	2.08	136.46	143.62
12327	2.07	136.46	143.57
12329	2.05	136.46	143.59
12331	2.06	136.46	143.58
12333	2.07	136.47	143.58
12335	2.04	136.48	143.58
12337	2.04	136.46	143.59
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12345	2.05	136.46	143.59
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12369	2.07	136.43	143.56
12371	2.08	136.45	143.58
12373	2.06	136.46	143.61
12375	2.07	136.43	143.57
12377	2.06	136.43	143.55
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12381	2.09	136.45	143.56
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12385	2.11	136.46	143.57
12387	2.09	136.44	143.56
12389	2.10	136.45	143.57
12391	2.10	136.47	143.55

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12395	2.09	136.44	143.57
12397	2.05	136.46	143.53
12399	2.05	136.44	143.57
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12409	2.07	136.45	143.55
12411	2.06	136.44	143.55
12413	2.05	136.45	143.55
12415	2.09	136.43	143.52
12417	2.03	136.41	143.54
12419	2.05	136.45	143.56
12421	2.06	136.42	143.50
12423	2.05	136.43	143.52
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12427	2.05	136.42	143.54
12429	2.08	136.41	143.54
12431	2.07	136.43	143.54
12433	2.07	136.43	143.54
12435	2.07	136.43	143.52
12437	2.11	136.43	143.55
12439	2.07	136.44	143.53
12441	2.07	136.43	143.53
12443	2.09	136.42	143.52
12445	2.04	136.42	143.53
12447	2.03	136.41	143.53
12449	2.04	136.43	143.52
12451	2.07	136.41	143.50
12453	2.06	136.42	143.52
12455	2.05	136.42	143.51
12457	2.06	136.42	143.52
12459	2.04	136.42	143.49
12461	2.07	136.43	143.50
12463	2.09	136.45	143.52
12465	2.05	136.42	143.50
12467	2.06	136.40	143.53
12469	2.06	136.43	143.53
12471	2.07	136.43	143.50
12473	2.04	136.42	143.54
12475	2.09	136.40	143.53
12477	2.10	136.40	143.50
12479	2.06	136.41	143.54
12481	2.09	136.43	143.51
12483	2.10	136.40	143.50
12485	2.08	136.43	143.52

12487	2.07	136.40	143.51
12489	2.05	136.43	143.50
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12493	2.05	136.44	143.50
12495	2.09	136.42	143.53
12497	2.07	136.43	143.53
12499	2.09	136.41	143.52
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12503	2.09	136.43	143.52
12505	2.08	136.42	143.51
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12509	2.10	136.41	143.52
12511	2.07	136.39	143.53
12513	2.09	136.44	143.50
12515	2.10	136.42	143.52
12517	2.08	136.40	143.52
12519	2.14	136.42	143.52
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12525	2.12	136.43	143.54
12527	2.09	136.40	143.49
12529	2.08	136.40	143.49
12531	2.10	136.43	143.50
12533	2.08	136.38	143.48
12535	2.07	136.41	143.50
12537	2.05	136.42	143.51
12539	2.08	136.40	143.50
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12543	2.07	136.39	143.49
12545	2.08	136.40	143.49
12547	2.08	136.40	143.49
12549	2.09	136.39	143.49
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12567	2.06	136.38	143.49
12569	2.07	136.39	143.48
12571	2.09	136.41	143.48
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12575	2.11	136.39	143.49
12577	2.08	136.42	143.51
12579	2.09	136.41	143.49

12581	2.07	136.40	143.49
12583	2.09	136.40	143.49
12585	2.09	136.39	143.50
12587	2.10	136.40	143.49
12589	2.07	136.38	143.48
12591	2.07	136.40	143.52
12593	2.12	136.40	143.49
12595	2.05	136.38	143.47
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12599	2.05	136.38	143.48
12601	2.06	136.37	143.48
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12611	2.06	136.38	143.46
12613	2.07	136.37	143.47
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12619	2.08	136.36	143.46
12621	2.08	136.38	143.47
12623	2.04	136.38	143.47
12625	2.09	136.35	143.48
12627	2.07	136.39	143.47
12629	2.08	136.37	143.49
12631	2.12	136.39	143.48
12633	2.10	136.38	143.47
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12637	2.08	136.40	143.49
12639	2.11	136.39	143.48
12641	2.08	136.36	143.48
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12649	2.11	136.38	143.45
12651	2.08	136.37	143.49
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12655	2.08	136.38	143.46
12657	2.09	136.36	143.47
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12665	2.05	136.37	143.47
12667	2.09	136.37	143.44
12669	2.06	136.34	143.50
12671	2.09	136.35	143.44
12673	2.08	136.37	143.46

12675	2.05	136.36	143.46
12677	2.07	136.34	143.44
12679	2.06	136.36	143.43
12681	2.06	136.35	143.44
12683	2.05	136.34	143.42
12685	2.07	136.35	143.46
12687	2.05	136.36	143.45
12689	2.04	136.34	143.44
12691	2.08	136.33	143.44
12693	2.08	136.34	143.43
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12697	2.10	136.35	143.44
12699	2.04	136.36	143.44
12701	2.09	136.35	143.43
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12713	2.07	136.35	143.44
12715	2.09	136.36	143.44
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12729	2.10	136.34	143.43
12731	2.05	136.36	143.45
12733	2.10	136.33	143.45
12735	2.09	136.34	143.44
12737	2.08	136.35	143.44
12739	2.05	136.33	143.45
12741	2.09	136.33	143.43
12743	2.07	136.35	143.43
12745	2.07	136.34	143.42
12747	2.06	136.34	143.44
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12751	2.06	136.30	143.43
12753	2.08	136.34	143.43
12755	2.06	136.34	143.45
12757	2.06	136.31	143.43
12759	2.08	136.35	143.41
12761	2.08	136.34	143.41
12763	2.06	136.33	143.42
12765	2.06	136.34	143.43
12767	2.07	136.33	143.40

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12775	2.06	136.33	143.44
12777	2.04	136.35	143.41
12779	2.09	136.33	143.42
12781	2.07	136.34	143.42
12783	2.07	136.35	143.43
12785	2.11	136.34	143.45
12787	2.09	136.33	143.43
12789	2.08	136.32	143.44
12791	2.09	136.34	143.44
12793	2.05	136.33	143.43
12795	2.08	136.34	143.41
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12801	2.09	136.32	143.42
12803	2.09	136.33	143.44
12805	2.06	136.31	143.44
12807	2.07	136.32	143.40
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12817	2.08	136.34	143.41
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12845	2.07	136.33	143.39
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12849	2.11	136.31	143.42
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12861	2.08	136.30	143.37

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12875	2.06	136.29	143.40
12877	2.08	136.31	143.38
12879	2.08	136.30	143.39
12881	2.06	136.30	143.41
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12885	2.10	136.31	143.39
12887	2.07	136.30	143.37
12889	2.11	136.31	143.38
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12893	2.06	136.33	143.39
12895	2.10	136.33	143.39
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12899	2.08	136.27	143.39
12901	2.06	136.30	143.36
12903	2.06	136.28	143.37
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12941	2.08	136.29	143.38
12943	2.05	136.26	143.36
12945	2.05	136.27	143.38
12947	2.08	136.28	143.38
12949	2.09	136.29	143.34
12951	2.08	136.29	143.39
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12955	2.09	136.27	143.38

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12959	2.10	136.26	143.38
12961	2.08	136.27	143.36
12963	2.12	136.29	143.35
12965	2.08	136.28	143.36
12967	2.06	136.28	143.36
12969	2.07	136.27	143.37
12971	2.04	136.26	143.36
12973	2.07	136.27	143.36
12975	2.12	136.25	143.35
12977	2.07	136.27	143.36
12979	2.08	136.27	143.35
12981	2.11	136.28	143.36
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12987	2.11	136.27	143.36
12989	2.11	136.29	143.38
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12997	2.08	136.28	143.37
12999	2.13	136.25	143.38
13001	2.12	136.28	143.37
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13005	2.12	136.28	143.37
13007	2.05	136.26	143.35
13009	2.06	136.26	143.34
13011	2.08	136.27	143.35
13013	2.08	136.26	143.36
13015	2.10	136.26	143.36
13017	2.09	136.26	143.35
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13021	2.09	136.27	143.35
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13031	2.11	136.27	143.33
13033	2.08	136.26	143.36
13035	2.08	136.28	143.36
13037	2.10	136.27	143.36
13039	2.09	136.27	143.34
13041	2.09	136.28	143.36
13043	2.11	136.28	143.36
13045	2.06	136.27	143.35
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13049	2.09	136.24	143.31

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13053	2.06	136.25	143.33
13055	2.09	136.25	143.34
13057	2.04	136.24	143.31
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13061	2.05	136.25	143.33
13063	2.07	136.26	143.35
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13069	2.08	136.26	143.34
13071	2.08	136.27	143.34
13073	2.07	136.25	143.34
13075	2.09	136.26	143.35
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13079	2.07	136.26	143.33
13081	2.08	136.26	143.37
13083	2.11	136.25	143.33
13085	2.08	136.25	143.34
13087	2.09	136.27	143.33
13089	2.09	136.26	143.33
13091	2.06	136.26	143.32
13093	2.09	136.27	143.34
13095	2.12	136.21	143.33
13097	2.09	136.24	143.33
13099	2.11	136.23	143.33
13101	2.07	136.24	143.31
13103	2.07	136.21	143.31
13105	2.08	136.23	143.33
13107	2.08	136.24	143.32
13109	2.07	136.23	143.33
13111	2.08	136.22	143.30
13113	2.05	136.22	143.33
13115	2.05	136.25	143.31
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13123	2.06	136.22	143.31
13125	2.05	136.22	143.33
13127	2.09	136.21	143.31
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13141	2.08	136.23	143.30
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13149	2.09	136.24	143.30
13151	2.09	136.25	143.31
13153	2.08	136.23	143.33
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13161	2.07	136.22	143.29
13163	2.10	136.23	143.32
13165	2.11	136.23	143.30
13167	2.09	136.21	143.31
13169	2.08	136.23	143.31
13171	2.08	136.22	143.30
13173	2.06	136.22	143.31
13175	2.08	136.22	143.32
13177	2.09	136.22	143.32
13179	2.07	136.20	143.29
13181	2.08	136.19	143.30
13183	2.08	136.20	143.31
13185	2.06	136.21	143.31
13187	2.09	136.20	143.30
13189	2.06	136.21	143.31
13191	2.06	136.20	143.26
13193	2.08	136.20	143.28
13195	2.05	136.20	143.30
13197	2.08	136.20	143.29
13199	2.09	136.21	143.30
13201	2.09	136.22	143.28
13203	2.08	136.19	143.29
13205	2.10	136.19	143.31
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13209	2.08	136.22	143.27
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13217	2.10	136.22	143.29
13219	2.09	136.21	143.26
13221	2.11	136.22	143.28
13223	2.09	136.20	143.30
13225	2.14	136.20	143.30
13227	2.10	136.20	143.28
13229	2.07	136.19	143.29
13231	2.09	136.20	143.28
13233	2.06	136.19	143.27
13235	2.07	136.21	143.29
13237	2.05	136.19	143.29

13239	2.07	136.18	143.28
13241	2.09	136.22	143.31
13243	2.09	136.19	143.27
13245	2.05	136.20	143.26
13247	2.04	136.19	143.28
13249	2.08	136.19	143.28
13251	2.09	136.19	143.30
13253	2.07	136.19	143.30
13255	2.07	136.18	143.25
13257	2.08	136.19	143.26
13259	2.06	136.20	143.27
13261	2.10	136.18	143.27
13263	2.10	136.19	143.27
13265	2.09	136.19	143.27
13267	2.09	136.20	143.28
13269	2.11	136.21	143.28
13271	2.06	136.20	143.29
13273	2.08	136.19	143.26
13275	2.10	136.20	143.27
13277	2.09	136.18	143.31
13279	2.08	136.20	143.28
13281	2.07	136.19	143.26
13283	2.05	136.20	143.29
13285	2.07	136.19	143.25
13287	2.08	136.18	143.24
13289	2.05	136.20	143.26
13291	2.07	136.19	143.27
13293	2.06	136.18	143.26
13295	2.05	136.18	143.25
13297	2.10	136.19	143.26
13299	2.11	136.17	143.26
13301	2.08	136.18	143.26
13303	2.11	136.19	143.25
13305	2.10	136.17	143.28
13307	2.06	136.18	143.27
13309	2.08	136.19	143.27
13311	2.12	136.18	143.26
13313	2.07	136.17	143.25
13315	2.09	136.18	143.28
13317	2.10	136.17	143.24
13319	2.08	136.17	-95.03
13321	2.11	136.18	143.25
13323	2.07	136.16	143.25
13325	2.09	136.15	143.26
13327	2.06	136.16	143.25
13329	2.09	136.15	143.25
13331	2.05	136.14	143.23

13333	2.07	136.15	143.24
13335	2.07	136.16	143.26
13337	2.07	136.16	143.25
13339	2.09	136.18	143.25
13341	2.10	136.16	143.25
13343	2.10	136.16	143.23
13345	2.10	136.15	143.24
13347	2.08	136.16	143.23
13349	2.10	136.17	143.25
13351	2.05	136.14	143.24
13353	2.06	136.15	143.27
13355	2.08	136.16	143.27
13357	2.10	136.17	143.23
13359	2.10	136.17	143.26
13361	2.06	136.18	143.23
13363	2.11	136.16	143.26
13365	2.11	136.17	143.24
13367	2.09	136.15	143.25
13369	2.11	136.17	143.23
13371	2.09	136.18	143.25
13373	2.06	136.16	143.24
13375	2.08	136.17	143.22
13377	2.10	136.14	143.25
13379	2.12	136.15	143.25
13381	2.08	136.16	143.25
13383	2.09	136.16	143.24
13385	2.08	136.14	143.24
13387	2.08	136.13	143.21
13389	2.10	136.15	143.25
13391	2.12	136.13	143.25
13393	2.09	136.16	143.24
13395	2.07	136.15	143.22
13397	2.11	136.17	143.24
13399	2.09	136.15	143.23
13401	2.05	136.14	143.25
13403	2.10	136.16	143.22
13405	2.09	136.15	143.23
13407	2.08	136.14	143.22
13409	2.07	136.16	143.23
13411	2.09	136.16	143.23
13413	2.07	136.14	143.24
13415	2.09	136.14	143.22
13417	2.10	136.14	143.24
13419	2.08	136.15	143.21
13421	2.09	136.15	143.22
13423	2.06	136.14	143.23
13425	2.10	136.12	143.22

13427	2.04	136.12	143.23
13429	2.10	136.13	143.23
13431	2.09	136.14	143.23
13433	2.07	136.15	143.24
13435	2.08	136.12	143.22
13437	2.10	136.11	143.26
13439	2.11	136.15	143.21
13441	2.07	136.13	143.20
13443	2.10	136.15	143.23
13445	2.09	136.13	143.23
13447	2.10	136.12	143.23
13449	2.08	136.11	143.23
13451	2.09	136.11	143.20
13453	2.11	136.13	143.22
13455	2.07	136.11	143.22
13457	2.09	136.11	143.19
13459	2.07	136.12	143.20
13461	2.05	136.12	143.20
13463	2.07	136.13	143.19
13465	2.07	136.13	143.19
13467	2.07	136.10	143.19
13469	2.10	136.11	143.20
13471	2.08	136.09	143.19
13473	2.08	136.13	143.19
13475	2.07	136.11	143.21
13477	2.08	136.09	143.21
13479	2.09	136.12	143.19
13481	2.07	136.12	143.21
13483	2.07	136.13	143.17
13485	2.13	136.14	143.19
13487	2.07	136.12	143.21
13489	2.11	136.10	143.21
13491	2.11	136.11	143.21
13493	2.10	136.13	143.21
13495	2.06	136.12	143.21
13497	2.10	136.11	143.21
13499	2.11	136.11	143.21
13501	2.08	136.12	143.21
13503	2.10	136.12	143.21
13505	2.11	136.12	143.20
13507	2.08	136.12	143.22
13509	2.12	136.11	143.19
13511	2.09	136.12	143.22
13513	2.10	136.13	143.20
13515	2.08	136.12	143.19
13517	2.08	136.12	143.21
13519	2.11	136.13	143.20

13521	2.06	136.11	143.19
13523	2.07	136.13	143.20
13525	2.10	136.10	143.17
13527	2.04	136.08	143.21
13529	2.07	136.10	143.19
13531	2.07	136.09	143.17
13533	2.08	136.08	143.16
13535	2.05	136.11	143.16
13537	2.07	136.08	143.15
13539	2.06	136.08	143.17
13541	2.06	136.12	143.20
13543	2.06	136.10	143.17
13545	2.08	136.09	143.16
13547	2.05	136.10	143.17
13549	2.07	136.06	143.18
13551	2.06	136.08	143.17
13553	2.08	136.10	143.17
13555	2.06	136.08	143.21
13557	2.07	136.11	143.19
13559	2.10	136.10	143.17
13561	2.07	136.09	143.19
13563	2.11	136.07	143.18
13565	2.09	136.11	143.17
13567	2.11	136.09	143.18
13569	2.11	136.08	143.18
13571	2.12	136.10	143.20
13573	2.08	136.08	143.18
13575	2.08	136.08	143.17
13577	2.11	136.07	143.19
13579	2.10	136.08	143.17
13581	2.09	136.08	143.14
13583	2.10	136.08	143.15
13585	2.06	136.08	143.16
13587	2.08	136.08	143.15
13589	2.08	136.09	143.14
13591	2.07	136.06	143.14
13593	2.05	136.08	143.16
13595	2.08	136.05	143.17
13597	2.08	136.08	143.14
13599	2.10	136.08	143.12
13601	2.10	136.09	143.15
13603	2.06	136.07	143.16
13605	2.06	136.08	143.14
13607	2.08	136.08	143.18
13609	2.08	136.08	143.15
13611	2.08	136.09	143.13
13613	2.10	136.08	143.16

13615	2.12	136.08	143.17
13617	2.11	136.08	143.15
13619	2.08	136.09	143.15
13621	2.08	136.08	143.13
13623	2.12	136.07	143.16
13625	2.10	136.09	143.16
13627	2.06	136.08	143.15
13629	2.07	136.07	143.16
13631	2.06	136.05	143.13
13633	2.08	136.05	143.15
13635	2.07	136.07	143.13
13637	2.03	136.05	143.12
13639	2.08	136.05	143.15
13641	2.07	136.05	143.13
13643	2.07	136.05	143.15
13645	2.08	136.07	143.15
13647	2.05	136.05	143.13
13649	2.10	136.07	143.15
13651	2.09	136.07	143.15
13653	2.06	136.06	143.15
13655	2.08	136.07	143.14
13657	2.10	136.07	143.13
13659	2.10	136.08	143.16
13661	2.07	136.06	143.15
13663	2.10	136.07	143.13
13665	2.11	136.04	143.14
13667	2.11	136.04	143.12
13669	2.09	136.06	143.15
13671	2.10	136.06	143.15
13673	2.10	136.04	143.12
13675	2.06	136.02	143.12
13677	2.09	136.03	143.15
13679	2.07	136.03	143.13
13681	2.05	136.04	143.12
13683	2.07	136.04	143.14
13685	2.08	136.05	143.11
13687	2.08	136.04	143.13
13689	2.08	136.03	143.13
13691	2.12	136.05	143.13
13693	2.09	136.05	143.12
13695	2.10	136.06	143.12
13697	2.11	136.07	143.13
13699	2.09	136.04	143.13
13701	2.08	136.02	143.11
13703	2.12	136.04	143.16
13705	2.12	136.05	143.12
13707	2.01	136.02	143.10

13709	2.06	136.05	143.13
13711	2.07	136.02	143.12
13713	2.04	136.04	143.10
13715	2.06	136.04	143.11
13717	2.10	136.03	143.12
13719	2.08	136.06	143.11
13721	2.09	136.06	143.11
13723	2.07	136.05	143.13
13725	2.10	136.04	143.11
13727	2.08	136.04	143.12
13729	2.13	136.06	143.15
13731	2.09	136.03	143.13
13733	2.08	136.06	143.10
13735	2.11	136.04	143.13
13737	2.11	136.03	143.09
13739	2.10	136.05	143.12
13741	2.08	136.04	143.11
13743	2.04	136.02	143.14
13745	2.07	136.03	143.12
13747	2.09	136.03	143.10
13749	2.07	136.01	143.12
13751	2.08	136.00	143.10
13753	2.08	136.01	143.10
13755	2.05	136.03	143.12
13757	2.03	136.01	143.10
13759	2.09	136.06	143.09
13761	2.11	136.00	143.09
13763	2.08	136.05	143.09
13765	2.08	136.01	143.10
13767	2.07	136.06	143.11
13769	2.10	136.04	143.11
13771	2.12	136.03	143.09
13773	2.10	136.03	143.09
13775	2.12	136.02	143.11
13777	2.11	136.02	143.10
13779	2.10	136.02	143.09
13781	2.08	136.01	143.10
13783	2.10	136.01	143.12
13785	2.05	136.02	143.10
13787	2.07	136.02	143.09
13789	2.09	136.02	143.09
13791	2.06	136.01	143.06
13793	2.05	136.01	143.08
13795	2.06	136.01	143.07
13797	2.10	136.02	143.09
13799	2.05	135.97	143.08
13801	2.07	136.02	143.06

13803	2.05	136.00	143.06
13805	2.09	136.00	143.07
13807	2.09	135.99	143.08
13809	2.06	136.02	143.09
13811	2.06	136.01	143.08
13813	2.06	135.98	143.06
13815	2.07	136.00	143.09
13817	2.09	136.02	143.06
13819	2.05	136.01	143.09
13821	2.08	136.02	143.08
13823	2.09	136.01	143.08
13825	2.05	136.01	143.08
13827	2.10	136.00	143.08
13829	2.07	136.00	143.07
13831	2.10	136.00	143.06
13833	2.06	136.01	143.06
13835	2.07	135.99	143.08
13837	2.06	136.01	143.08
13839	2.08	136.00	143.07
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13843	2.05	136.00	143.07
13845	2.07	135.99	143.08
13847	2.06	136.02	143.09
13849	2.09	136.01	143.09
13851	2.09	136.00	143.04
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13855	2.08	136.00	143.08
13857	2.09	136.00	143.07
13859	2.08	135.99	143.07
13861	2.06	135.99	143.10
13863	2.07	135.98	143.07
13865	2.08	135.98	143.05
13867	2.06	136.00	143.06
13869	2.10	136.00	143.09
13871	2.09	135.97	143.05
13873	2.06	135.99	143.05
13875	2.12	136.01	143.03
13877	2.06	135.98	143.04
13879	2.07	136.01	143.09
13881	2.09	135.99	143.06
13883	2.05	135.99	143.05
13885	2.06	135.97	143.05
13887	2.06	136.00	143.06
13889	2.11	135.97	143.04
13891	2.08	135.96	143.06
13893	2.06	135.97	143.07
13895	2.06	135.98	143.05

13897	2.06	135.96	143.04
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13901	2.05	135.98	143.06
13903	2.08	135.96	143.02
13905	2.08	135.98	143.04
13907	2.05	135.98	143.02
13909	2.06	135.97	143.01
13911	2.08	135.98	143.04
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13915	2.08	135.96	143.04
13917	2.09	135.99	143.05
13919	2.08	135.96	143.05
13921	2.10	135.98	143.03
13923	2.11	135.98	143.08
13925	2.07	135.95	143.05
13927	2.08	135.98	143.02
13929	2.11	135.96	143.06
13931	2.09	135.99	143.04
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13935	2.11	135.98	143.04
13937	2.07	135.98	143.03
13939	2.10	135.99	143.05
13941	2.11	135.98	143.04
13943	2.10	135.96	143.03
13945	2.08	135.96	143.05
13947	2.10	135.96	143.06
13949	2.07	135.94	143.02
13951	2.09	135.97	143.04
13953	2.06	135.96	143.02
13955	2.09	135.93	143.04
13957	2.09	135.98	143.04
13959	2.08	135.96	143.03
13961	2.07	135.94	143.02
13963	2.05	135.95	143.02
13965	2.09	135.97	143.04
13967	2.06	135.95	143.02
13969	2.09	135.95	143.04
13971	2.10	135.98	143.04
13973	2.08	135.97	143.04
13975	2.10	135.97	143.04
13977	2.09	135.96	143.02
13979	2.11	135.95	143.04
13981	2.11	135.98	143.03
13983	2.10	135.97	143.03
13985	2.07	135.95	143.03
13987	2.06	135.96	143.04
13989	2.09	135.95	143.04

13991	2.04	135.95	143.01
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13997	2.08	135.93	143.01
13999	2.06	135.94	142.99
14001	2.07	135.96	143.03
14003	2.03	135.92	143.04
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14009	2.07	135.94	143.02
14011	2.09	135.97	143.04
14013	2.11	135.97	143.03
14015	2.10	135.92	143.03
14017	2.08	135.95	143.03
14019	2.08	135.95	143.03
14021	2.06	135.94	143.00
14023	2.09	135.93	143.02
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14037	2.08	135.93	143.00
14039	2.08	135.95	143.02
14041	2.09	135.93	143.01
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14045	2.13	135.93	143.01
14047	2.06	135.93	143.01
14049	2.13	135.96	143.01
14051	2.06	135.93	143.03
14053	2.09	135.95	143.04
14055	2.10	135.92	142.98
14057	2.11	135.93	142.98
14059	2.10	135.95	143.00
14061	2.08	135.92	142.99
14063	2.08	135.95	142.99
14065	2.07	135.92	143.00
14067	2.10	135.93	143.00
14069	2.09	135.92	143.00
14071	2.08	135.94	142.99
14073	2.08	135.93	143.00
14075	2.08	135.91	143.01
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14081	2.07	135.91	143.00
14083	2.05	135.92	143.00

14085	2.04	135.93	142.99
14087	2.10	135.91	143.00
14089	2.10	135.92	142.99
14091	2.07	135.90	142.99
14093	2.08	135.90	143.01
14095	2.10	135.93	143.01
14097	2.10	135.92	142.97
14099	2.08	135.90	142.97
14101	2.09	135.94	143.00
14103	2.05	135.92	142.99
14105	2.11	135.90	142.99
14107	2.09	135.91	143.01
14109	2.08	135.93	143.01
14111	2.12	135.91	143.00
14113	2.07	135.91	142.99
14115	2.05	135.92	142.99
14117	2.05	135.90	143.00
14119	2.11	135.90	142.99
14121	2.10	135.90	143.00
14123	2.11	135.88	143.00
14125	2.08	135.91	142.97
14127	2.14	135.90	142.98
14129	2.12	135.90	143.01
14131	2.12	135.91	142.99
14133	2.09	135.91	142.96
14135	2.08	135.91	142.98
14137	2.11	135.93	143.01
14139	2.10	135.89	142.96
14141	2.09	135.90	142.98
14143	2.06	135.92	142.98
14145	2.07	135.90	142.97
14147	2.09	135.88	142.99
14149	2.09	135.91	142.99
14151	2.11	135.90	142.98
14153	2.08	135.89	142.95
14155	2.11	135.90	142.99
14157	2.10	135.90	142.99
14159	2.10	135.90	142.98
14161	2.13	135.91	142.98
14163	2.12	135.91	142.99
14165	2.06	135.92	142.99
14167	2.08	135.93	142.94
14169	2.09	135.90	143.01
14171	2.08	135.88	142.96
14173	2.06	135.88	142.94
14175	2.09	135.89	142.97
14177	2.07	135.88	142.95

14179	2.09	135.88	142.98
14181	2.09	135.88	142.93
14183	2.06	135.87	142.96
14185	2.06	135.89	142.96
14187	2.08	135.88	142.95
14189	2.07	135.86	142.97
14191	2.05	135.86	142.92
14193	2.07	135.90	142.93
14195	2.07	135.88	142.95
14197	2.09	135.88	142.93
14199	2.09	135.88	142.95
14201	2.10	135.88	142.99
14203	2.11	135.89	142.96
14205	2.09	135.87	142.96
14207	2.10	135.88	142.96
14209	2.10	135.86	142.94
14211	2.07	135.90	142.96
14213	2.10	135.89	142.98
14215	2.09	135.89	142.95
14217	2.07	135.89	142.96
14219	2.09	135.91	142.97
14221	2.07	135.88	142.94
14223	2.12	135.88	142.95
14225	2.08	135.87	142.95
14227	2.09	135.87	142.92
14229	2.07	135.87	142.96
14231	2.06	135.88	142.95
14233	2.06	135.86	142.92
14235	2.08	135.86	142.94
14237	2.07	135.85	142.91
14239	2.05	135.84	142.95
14241	2.09	135.86	142.94
14243	2.08	135.85	142.92
14245	2.09	135.89	142.94
14247	2.06	135.86	142.94
14249	2.08	135.86	142.95
14251	2.07	135.86	142.91
14253	2.06	135.87	142.93
14255	2.11	135.87	142.95
14257	2.08	135.89	142.94
14259	2.08	135.85	142.96
14261	2.13	135.87	142.92
14263	2.08	135.85	142.95
14265	2.08	135.86	142.93
14267	2.10	135.84	142.94
14269	2.08	135.85	142.93
14271	2.09	135.88	142.94

14273	2.09	135.86	142.92
14275	2.09	135.86	142.96
14277	2.12	135.88	142.95
14279	2.06	135.86	142.94
14281	2.09	135.84	142.93
14283	2.07	135.85	142.93
14285	2.06	135.83	142.93
14287	2.05	135.86	142.93
14289	2.09	135.84	142.92
14291	2.07	135.83	142.91
14293	2.08	135.84	142.95
14295	2.08	135.85	142.93
14297	2.06	135.85	142.90
14299	2.07	135.84	142.91
14301	2.07	135.84	142.91
14303	2.09	135.85	142.90
14305	2.08	135.84	142.90
14307	2.08	135.85	142.90
14309	2.06	135.83	142.94
14311	2.07	135.86	142.94
14313	2.07	135.84	142.93
14315	2.07	135.82	142.91
14317	2.08	135.85	142.92
14319	2.06	135.87	142.90
14321	2.03	135.85	142.94
14323	2.09	135.85	142.93
14325	2.12	135.84	142.93
14327	2.10	135.84	142.91
14329	2.08	135.83	142.92
14331	2.09	135.85	142.94
14333	2.07	135.84	142.92
14335	2.06	135.86	142.91
14337	2.10	135.86	142.92
14339	2.10	135.83	142.93
14341	2.09	135.85	142.89
14343	2.07	135.83	142.89
14345	2.11	135.83	142.91
14347	2.10	135.84	142.90
14349	2.08	135.84	142.92
14351	2.11	135.81	142.92
14353	2.10	135.84	142.92
14355	2.07	135.83	142.92
14357	2.09	135.82	142.91
14359	2.06	135.86	142.92
14361	2.06	135.87	142.90
14363	2.10	135.85	142.90
14365	2.09	135.82	142.91

14367	2.10	135.82	142.90
14369	2.10	135.82	142.92
14371	2.06	135.82	142.92
14373	2.09	135.81	142.89
14375	2.08	135.81	142.88
14377	2.08	135.80	142.88
14379	2.08	135.83	142.89
14381	2.08	135.83	142.90
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14385	2.08	135.81	142.87
14387	2.09	135.79	142.90
14389	2.04	135.82	142.89
14391	2.10	135.81	142.89
14393	2.09	135.82	142.90
14395	2.09	135.83	142.89
14397	2.09	135.80	142.86
14399	2.09	135.82	142.91
14401	2.09	135.81	142.90
14403	2.10	135.80	142.89
14405	2.10	135.81	142.88
14407	2.07	135.82	142.93
14409	2.10	135.81	142.89
14411	2.08	135.82	142.88
14413	2.07	135.83	142.89
14415	2.07	135.78	142.89
14417	2.10	135.81	142.88
14419	2.04	135.80	142.89
14421	2.07	135.83	142.89
14423	2.09	135.79	142.89
14425	2.08	135.80	142.85
14427	2.06	135.82	142.88
14429	2.09	135.81	142.86
14431	2.05	135.82	142.90
14433	2.04	135.80	142.88
14435	2.09	135.79	142.88
14437	2.10	135.81	142.89
14439	2.08	135.81	142.87
14441	2.07	135.77	142.86
14443	2.05	135.80	142.87
14445	2.06	135.81	142.86
14447	2.05	135.80	142.88
14449	2.08	135.79	142.88
14451	2.07	135.79	142.87
14453	2.07	135.80	142.85
14455	2.08	135.78	142.85
14457	2.10	135.79	142.86
14459	2.10	135.77	142.88

14461	2.06	135.79	142.85
14463	2.09	135.80	142.88
14465	2.11	135.81	142.87
14467	2.10	135.78	142.84
14469	2.07	135.77	142.85
14471	2.12	135.79	142.87
14473	2.09	135.79	142.86
14475	2.06	135.77	142.87
14477	2.11	135.80	142.88
14479	2.10	135.80	142.88
14481	2.08	135.77	142.86
14483	2.05	135.77	142.87
14485	2.08	135.79	142.86
14487	2.07	135.78	142.84
14489	2.07	135.77	142.86
14491	2.07	135.77	142.85
14493	2.06	135.74	142.85
14495	2.06	135.77	142.85
14497	2.06	135.77	142.85
14499	2.09	135.77	142.84
14501	2.05	135.77	142.85
14503	2.06	135.77	142.85
14505	2.04	135.76	142.85
14507	2.05	135.78	142.84
14509	2.08	135.76	142.83
14511	2.08	135.76	142.86
14513	2.06	135.78	142.86
14515	2.05	135.77	142.85
14517	2.09	135.79	142.85
14519	2.09	135.76	142.86
14521	2.06	135.77	142.85
14523	2.08	135.77	142.84
14525	2.09	135.78	142.88
14527	2.11	135.76	142.86
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14533	2.11	135.76	142.85
14535	2.07	135.78	142.85
14537	2.09	135.78	142.86
14539	2.10	135.77	142.85
14541	2.08	135.76	142.85
14543	2.08	135.75	142.83
14545	2.07	135.74	142.83
14547	2.08	135.75	142.84
14549	2.07	135.74	142.86
14551	2.08	135.74	142.84
14553	2.06	135.75	142.85

14555	2.05	135.75	142.83
14557	2.10	135.76	142.83
14559	2.05	135.75	142.82
14561	2.07	135.74	142.84
14563	2.06	135.75	142.83
14565	2.05	135.74	142.80
14567	2.04	135.73	142.82
14569	2.07	135.76	142.83
14571	2.05	135.75	142.82
14573	2.10	135.74	142.82
14575	2.10	135.74	142.85
14577	2.08	135.74	142.83
14579	2.05	135.75	142.84
14581	2.07	135.72	142.80
14583	2.10	135.72	142.82
14585	2.06	135.73	142.83
14587	2.08	135.73	142.85
14589	2.08	135.75	142.81
14591	2.06	135.71	142.81
14593	2.08	135.72	142.81
14595	2.09	135.72	142.80
14597	2.09	135.72	142.83
14599	2.07	135.75	142.84
14601	2.08	135.73	142.84
14603	2.10	135.74	142.82
14605	2.08	135.73	142.83
14607	2.09	135.72	142.84
14609	2.07	135.74	142.83
14611	2.10	135.72	142.81
14613	2.10	135.75	142.82
14615	2.10	135.77	142.82
14617	2.08	135.72	142.83
14619	2.07	135.73	142.82
14621	2.07	135.73	142.82
14623	2.07	135.70	142.81
14625	2.08	135.74	142.82
14627	2.05	135.72	142.80
14629	2.07	135.73	142.83
14631	2.11	135.74	142.84
14633	2.09	135.72	142.81
14635	2.07	135.73	142.81
14637	2.08	135.72	142.79
14639	2.05	135.73	142.82
14641	2.07	135.71	142.78
14643	2.07	135.72	142.81
14645	2.09	135.74	142.80
14647	2.06	135.71	142.79

14649	2.10	135.71	142.81
14651	2.07	135.73	142.82
14653	2.08	135.73	142.82
14655	2.08	135.72	142.79
14657	2.09	135.72	142.79
14659	2.09	135.72	142.80
14661	2.06	135.71	142.81
14663	2.08	135.71	142.80
14665	2.10	135.74	142.78
14667	2.06	135.70	142.80
14669	2.08	135.72	142.80
14671	2.08	135.71	142.81
14673	2.06	135.70	142.80
14675	2.08	135.68	142.82
14677	2.09	135.70	142.79
14679	2.10	135.74	142.80
14681	2.08	135.72	142.78
14683	2.07	135.73	142.81
14685	2.09	135.71	142.80
14687	2.10	135.71	142.79
14689	2.09	135.72	142.78
14691	2.09	135.67	142.79
14693	2.11	135.72	142.79
14695	2.08	135.70	142.80
14697	2.12	135.69	142.79
14699	2.07	135.71	142.78
14701	2.09	135.72	142.81
14703	2.05	135.69	142.78
14705	2.08	135.69	142.80
14707	2.12	135.71	142.80
14709	2.12	135.71	142.78
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14713	2.08	135.69	142.80
14715	2.06	135.69	142.80
14717	2.11	135.69	142.79
14719	2.07	135.69	142.79
14721	2.08	135.70	142.76
14723	2.08	135.70	142.78
14725	2.11	135.69	142.79
14727	2.07	135.68	142.79
14729	2.08	135.70	142.78
14731	2.10	135.70	142.75
14733	2.08	135.68	142.78
14735	2.07	135.67	142.76
14737	2.10	135.69	142.80
14739	2.09	135.68	142.79
14741	2.09	135.67	142.79

14743	2.10	135.68	142.79
14745	2.13	135.70	142.76
14747	2.07	135.68	142.79
14749	2.09	135.67	142.77
14751	2.10	135.68	142.76
14753	2.07	135.69	142.78
14755	2.05	135.69	142.76
14757	2.08	135.65	142.75
14759	2.08	135.69	142.77
14761	2.08	135.67	142.75
14763	2.09	135.68	142.74
14765	2.08	135.68	142.78
14767	2.10	135.67	142.77
14769	2.04	135.66	142.76
14771	2.04	135.66	142.77
14773	2.07	135.67	142.76
14775	2.09	135.66	142.74
14777	2.06	135.65	142.71
14779	2.07	135.66	142.74
14781	2.10	135.66	142.75
14783	2.08	135.65	142.73
14785	2.09	135.66	142.74
14787	2.06	135.65	142.74
14789	2.09	135.69	142.73
14791	2.10	135.67	142.75
14793	2.09	135.66	142.73
14795	2.09	135.65	142.75
14797	2.07	135.68	142.74
14799	2.09	135.66	142.77
14801	2.07	135.68	142.75
14803	2.12	135.66	142.76
14805	2.11	135.67	142.73
14807	2.07	135.65	142.74
14809	2.11	135.67	142.75
14811	2.06	135.64	142.74
14813	2.07	135.63	142.73
14815	2.09	135.65	142.73
14817	2.06	135.64	142.75
14819	2.06	135.66	142.73
14821	2.08	135.68	142.73
14823	2.11	135.65	142.73
14825	2.08	135.66	142.75
14827	2.07	135.64	142.74
14829	2.07	135.67	142.73
14831	2.06	135.66	142.76
14833	2.08	135.65	142.75
14835	2.11	135.68	142.75

14837	2.08	135.66	142.75
14839	2.11	135.65	142.72
14841	2.10	135.63	142.74
14843	2.08	135.66	142.73
14845	2.10	135.65	142.73
14847	2.08	135.63	142.73
14849	2.09	135.63	142.69
14851	2.07	135.63	142.73
14853	2.11	135.61	142.71
14855	2.06	135.62	142.71
14857	2.07	135.63	142.72
14859	2.08	135.62	142.72
14861	2.10	135.62	142.72
14863	2.09	135.63	142.71
14865	2.11	135.65	142.74
14867	2.10	135.63	142.71
14869	2.09	135.63	142.72
14871	2.12	135.64	142.73
14873	2.10	135.65	142.73
14875	2.05	135.63	142.71
14877	2.06	135.63	142.71
14879	2.08	135.62	142.70
14881	2.09	135.62	142.70
14883	2.06	135.62	142.71
14885	2.06	135.63	142.70
14887	2.07	135.62	142.69
14889	2.08	135.62	142.68
14891	2.08	135.60	142.68
14893	2.08	135.63	142.70
14895	2.07	135.59	142.69
14897	2.06	135.62	142.70
14899	2.10	135.63	142.70
14901	2.06	135.62	142.70
14903	2.04	135.63	142.71
14905	2.06	135.62	142.69
14907	2.06	135.61	142.70
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14911	2.06	135.60	142.69
14913	2.04	135.61	142.70
14915	2.09	135.61	142.70
14917	2.06	135.61	142.70
14919	2.07	135.58	142.67
14921	2.07	135.61	142.69
14923	2.05	135.61	142.68
14925	2.06	135.61	142.68
14927	2.13	135.61	142.68
14929	2.08	135.61	142.68

14931	2.04	135.59	142.68
14933	2.05	135.59	142.66
14935	2.08	135.61	142.68
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14945	2.08	135.59	142.67
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14951	2.08	135.61	142.68
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14961	2.09	135.58	142.68
14963	2.09	135.58	142.68
14965	2.07	135.59	142.67
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14973	2.06	135.60	142.69
14975	2.07	135.58	142.68
14977	2.07	135.57	142.66
14979	2.09	135.59	142.64
14981	2.09	135.56	142.65
14983	2.08	135.58	142.67
14985	2.05	135.58	142.69
14987	2.07	135.60	142.66
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14999	2.08	135.59	142.64
15001	2.08	135.57	142.69
15003	2.10	135.58	142.65
15005	2.09	135.58	142.67
15007	2.12	135.59	142.69
15009	2.10	135.59	142.67
15011	2.08	135.62	142.65
15013	2.10	135.59	142.69
15015	2.10	135.56	142.66
15017	2.11	135.56	142.66
15019	2.09	135.60	142.67
15021	2.09	135.57	142.65
15023	2.11	135.59	142.67

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15033	2.09	135.57	142.67
15035	2.10	135.57	142.64
15037	2.13	135.57	142.66
15039	2.07	135.56	142.63
15041	2.10	135.56	142.62
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15047	2.08	135.58	142.63
15049	2.10	135.55	142.62
15051	2.03	135.56	142.65
15053	2.07	135.58	142.65
15055	2.08	135.54	142.64
15057	2.07	135.54	142.64
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15061	2.08	135.55	142.65
15063	2.07	135.54	142.61
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15067	2.10	135.58	142.64
15069	2.08	135.57	142.63
15071	2.08	135.55	142.63
15073	2.08	135.58	142.64
15075	2.09	135.54	142.62
15077	2.05	135.59	142.60
15079	2.09	135.55	142.61
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15085	2.07	135.57	142.60
15087	2.08	135.55	142.62
15089	2.11	135.55	142.62
15091	2.07	135.56	142.62
15093	2.06	135.56	142.59
15095	2.07	135.53	142.61
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15099	2.07	135.57	142.63
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15105	2.07	135.54	142.59
15107	2.08	135.51	142.62
15109	2.09	135.54	142.63
15111	2.10	135.56	142.62
15113	2.09	135.54	142.63
15115	2.10	135.55	142.63
15117	2.08	135.51	142.63

15119	2.08	135.52	142.63
15121	2.12	135.55	142.62
15123	2.10	135.55	142.60
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15131	2.08	135.53	142.62
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15137	2.06	135.52	142.62
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15141	2.10	135.52	142.63
15143	2.07	135.54	142.60
15145	2.08	135.53	142.57
15147	2.10	135.56	142.60
15149	2.10	135.52	142.60
15151	2.12	135.55	142.60
15153	2.10	135.53	142.63
15155	2.09	135.56	142.61
15157	2.09	135.49	142.58
15159	2.09	135.51	142.59
15161	2.08	135.52	142.60
15163	2.06	135.48	142.61
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15169	2.09	135.50	142.60
15171	2.05	135.49	142.59
15173	2.07	135.52	142.58
15175	2.06	135.50	142.59
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15201	2.07	135.53	142.60
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15207	2.10	135.52	142.59
15209	2.06	135.50	142.58
15211	2.08	135.54	142.60

15213	2.05	135.52	142.56
15215	2.05	135.46	142.56
15217	2.08	135.50	142.58
15219	2.09	135.51	142.55
15221	2.04	135.49	142.57
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15231	2.04	135.45	142.57
15233	2.07	135.48	142.56
15235	2.08	135.49	142.56
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15239	2.07	135.48	142.56
15241	2.09	135.47	142.57
15243	2.09	135.46	142.56
15245	2.06	135.48	142.55
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15249	2.09	135.50	142.59
15251	2.09	135.46	142.57
15253	2.10	135.44	142.56
15255	2.09	135.48	142.56
15257	2.07	135.46	142.55
15259	2.08	135.47	142.55
15261	2.08	135.47	142.56
15263	2.07	135.46	142.55
15265	2.06	135.45	142.54
15267	2.08	135.48	142.56
15269	2.05	135.46	142.54
15271	2.06	135.44	142.55
15273	2.07	135.46	142.52
15275	2.06	135.47	142.52
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15279	2.07	135.43	142.53
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15285	2.07	135.44	142.56
15287	2.08	135.46	142.54
15289	2.07	135.47	142.54
15291	2.10	135.47	142.53
15293	2.06	135.45	142.52
15295	2.06	135.43	142.52
15297	2.07	135.45	142.55
15299	2.05	135.45	142.52
15301	2.06	135.45	142.53
15303	2.09	135.43	142.53
15305	2.08	135.45	142.53

15307	2.06	135.44	142.52
15309	2.08	135.43	142.53
15311	2.05	135.44	142.52
15313	2.08	135.42	142.52
15315	2.10	135.42	142.53
15317	2.08	135.44	142.53
15319	2.07	135.43	142.51
15321	2.08	135.44	142.55
15323	2.11	135.44	142.53
15325	2.06	135.42	142.53
15327	2.09	135.43	142.53
15329	2.10	135.41	142.51
15331	2.07	135.43	142.53
15333	2.08	135.39	142.53
15335	2.06	135.42	142.53
15337	2.08	135.41	142.55
15339	2.08	135.43	142.54
15341	2.10	135.41	142.52
15343	2.06	135.43	142.52
15345	2.11	135.43	142.52
15347	2.12	135.44	142.51
15349	2.09	135.41	142.53
15351	2.13	135.45	142.51
15353	2.07	135.42	142.52
15355	2.10	135.42	142.50
15357	2.10	135.45	142.54
15359	2.11	135.44	142.52
15361	2.10	135.45	142.51
15363	2.09	135.41	142.53
15365	2.08	135.44	142.50
15367	2.08	135.42	142.52
15369	2.11	135.43	142.49
15371	2.08	135.42	142.49
15373	2.09	135.40	142.52
15375	2.10	135.43	142.49
15377	2.09	135.42	142.48
15379	2.06	135.40	142.49
15381	2.07	135.42	142.50
15383	2.10	135.42	142.47
15385	2.04	135.40	142.49
15387	2.10	135.39	142.49
15389	2.09	135.40	142.50
15391	2.08	135.42	142.49
15393	2.08	135.40	142.49
15395	2.10	135.41	142.47
15397	2.09	135.38	142.48
15399	2.05	135.40	142.51

15401	2.08	135.40	142.48
15403	2.07	135.39	142.46
15405	2.10	135.39	142.47
15407	2.07	135.40	142.46
15409	2.08	135.39	142.48
15411	2.04	135.41	142.49
15413	2.04	135.39	142.47
15415	2.05	135.37	142.47
15417	2.07	135.37	142.47
15419	2.04	135.41	142.48
15421	2.05	135.36	142.47
15423	2.05	135.38	142.48
15425	2.08	135.41	142.49
15427	2.03	135.39	142.49
15429	2.11	135.40	142.47
15431	2.10	135.40	142.47
15433	2.06	135.37	142.47
15435	2.06	135.39	142.46
15437	2.09	135.38	142.47
15439	2.07	135.39	142.45
15441	2.03	135.36	142.47
15443	2.07	135.39	142.44
15445	2.07	135.37	142.46
15447	2.07	135.39	142.47
15449	2.10	135.39	142.45
15451	2.07	135.35	142.46
15453	2.07	135.35	142.46
15455	2.05	135.38	142.46
15457	2.09	135.36	142.45
15459	2.08	135.38	142.45
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15463	2.09	135.34	142.47
15465	2.06	135.38	142.44
15467	2.07	135.36	142.45
15469	2.06	135.37	142.46
15471	2.08	135.36	142.45
15473	2.08	135.38	142.44
15475	2.07	135.37	142.46
15477	2.08	135.37	142.47
15479	2.05	135.36	142.45
15481	2.10	135.38	142.44
15483	2.11	135.36	142.46
15485	2.09	135.36	142.48
15487	2.09	135.37	142.47
15489	2.09	135.35	142.45
15491	2.11	135.37	142.45
15493	2.08	135.35	142.47

15495	2.13	135.38	142.46
15497	2.12	135.38	142.48
15499	2.09	135.37	142.45
15501	2.11	135.35	142.45
15503	2.10	135.37	142.46
15505	2.08	135.34	142.47
15507	2.09	135.35	142.42
15509	2.06	135.36	142.46
15511	2.08	135.35	142.45
15513	2.09	135.35	142.46
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15519	2.09	135.34	142.42
15521	2.08	135.36	142.42
15523	2.08	135.32	142.41
15525	2.09	135.36	142.42
15527	2.06	135.34	142.44
15529	2.08	135.35	142.43
15531	2.08	135.32	142.42
15533	2.09	135.32	142.42
15535	2.09	135.35	142.43
15537	2.07	135.34	142.43
15539	2.07	135.35	142.43
15541	2.06	135.34	142.40
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15547	2.08	135.33	142.41
15549	2.05	135.32	142.43
15551	2.04	135.34	142.38
15553	2.09	135.32	142.38
15555	2.07	135.33	142.43
15557	2.09	135.35	142.42
15559	2.06	135.34	142.41
15561	2.11	135.35	142.41
15563	2.13	135.34	142.42
15565	2.08	135.34	142.43
15567	2.11	135.33	142.43
15569	2.10	135.33	142.43
15571	2.08	135.33	142.43
15573	2.08	135.32	142.43
15575	2.07	135.32	142.41
15577	2.09	135.32	142.41
15579	2.07	135.31	142.40
15581	2.08	135.31	142.39
15583	2.06	135.31	142.41
15585	2.08	135.33	142.40
15587	2.08	135.29	142.40

15589	2.10	135.31	142.40
15591	2.05	135.31	142.38
15593	2.07	135.33	142.39
15595	2.07	135.31	142.38
15597	2.04	135.31	142.39
15599	2.05	135.30	142.38
15601	2.10	135.32	142.39
15603	2.05	135.31	142.40
15605	2.07	135.30	142.38
15607	2.06	135.31	142.38
15609	2.08	135.30	142.38
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15615	2.08	135.30	142.40
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15623	2.06	135.29	142.37
15625	2.06	135.29	142.42
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15635	2.12	135.30	142.38
15637	2.11	135.29	142.42
15639	2.09	135.30	142.42
15641	2.10	135.29	142.40
15643	2.10	135.29	142.38
15645	2.10	135.29	142.37
15647	2.08	135.30	142.39
15649	2.12	135.30	142.36
15651	2.08	135.31	142.37
15653	2.10	135.26	142.39
15655	2.08	135.29	142.38
15657	2.13	135.29	142.38
15659	2.07	135.30	142.37
15661	2.08	135.27	142.35
15663	2.10	135.28	142.37
15665	2.08	135.26	142.36
15667	2.11	135.29	142.38
15669	2.09	135.27	142.35
15671	2.06	135.26	142.36
15673	2.10	135.27	142.36
15675	2.07	135.27	142.37
15677	2.06	135.26	142.35
15679	2.09	135.25	142.35
15681	2.11	135.30	142.35

15683	2.10	135.24	142.36
15685	2.10	135.26	142.36
15687	2.11	135.27	142.38
15689	2.11	135.26	142.37
15691	2.10	135.27	142.39
15693	2.09	135.28	142.36
15695	2.07	135.30	142.35
15697	2.11	135.25	142.36
15699	2.11	135.29	142.36
15701	2.10	135.27	142.37
15703	2.10	135.28	142.34
15705	2.08	135.25	142.34
15707	2.14	135.29	142.35
15709	2.11	135.25	142.36
15711	2.07	135.27	142.34
15713	2.08	135.28	142.32
15715	2.08	135.25	142.35
15717	2.06	135.24	142.35
15719	2.10	135.26	142.35
15721	2.10	135.24	142.32
15723	2.09	135.25	142.34
15725	2.10	135.26	142.34
15727	2.09	135.27	142.33
15729	2.07	135.26	142.33
15731	2.14	135.26	142.36
15733	2.10	135.25	142.33
15735	2.07	135.24	142.32
15737	2.09	135.24	142.36
15739	2.11	135.24	142.33
15741	2.08	135.23	142.34
15743	2.09	135.24	142.32
15745	2.08	135.22	142.32
15747	2.06	135.25	142.30
15749	2.07	135.24	142.34
15751	2.07	135.22	142.34
15753	2.07	135.20	142.34
15755	2.10	135.24	142.32
15757	2.06	135.23	142.30
15759	2.11	135.23	142.32
15761	2.08	135.24	142.32
15763	2.08	135.21	142.31
15765	2.06	135.22	142.34
15767	2.08	135.22	142.29
15769	2.09	135.22	142.31
15771	2.12	135.22	142.32
15773	2.07	135.23	142.32
15775	2.09	135.23	142.31

15777	2.07	135.20	142.30
15779	2.08	135.22	142.31
15781	2.10	135.20	142.31
15783	2.10	135.20	142.29
15785	2.09	135.20	142.32
15787	2.08	135.22	142.31
15789	2.08	135.22	142.31
15791	2.08	135.19	142.30
15793	2.06	135.23	142.32
15795	2.09	135.19	142.31
15797	2.09	135.21	142.30
15799	2.08	135.20	142.31
15801	2.09	135.22	142.30
15803	2.08	135.20	142.30
15805	2.06	135.22	142.33
15807	2.07	135.20	142.30
15809	2.08	135.23	142.28
15811	2.04	135.20	142.29
15813	2.09	135.21	142.27
15815	2.09	135.20	142.30
15817	2.08	135.21	142.28
15819	2.07	135.20	142.31
15821	2.08	135.21	142.29
15823	2.07	135.21	142.31
15825	2.08	135.22	142.29
15827	2.08	135.18	142.27
15829	2.09	135.21	142.30
15831	2.10	135.21	142.29
15833	2.08	135.20	142.28
15835	2.08	135.18	142.27
15837	2.08	135.21	142.27
15839	2.08	135.20	142.28
15841	2.10	135.17	142.29
15843	2.10	135.18	142.30
15845	2.04	135.17	142.27
15847	2.10	135.19	142.27
15849	2.06	135.16	142.28
15851	2.07	135.17	142.24
15853	2.07	135.17	142.28
15855	2.08	135.18	142.28
15857	2.06	135.16	142.25
15859	2.07	135.17	142.28
15861	2.07	135.19	142.24
15863	2.07	135.16	142.28
15865	2.09	135.18	142.27
15867	2.12	135.17	142.24
15869	2.08	135.18	142.27

15871	2.09	135.20	142.29
15873	2.10	135.19	142.26
15875	2.10	135.20	142.27
15877	2.09	135.18	142.27
15879	2.10	135.18	142.27
15881	2.10	135.20	142.27
15883	2.10	135.20	142.25
15885	2.11	135.17	142.25
15887	2.10	135.15	142.26
15889	2.10	135.15	142.28
15891	2.09	135.17	142.27
15893	2.08	135.18	142.25
15895	2.07	135.15	142.23
15897	2.08	135.14	142.23
15899	2.09	135.16	142.25
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15905	2.08	135.14	142.24
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15909	2.09	135.15	142.26
15911	2.10	135.17	142.25
15913	2.08	135.16	142.24
15915	2.12	135.16	142.24
15917	2.09	135.15	142.22
15919	2.09	135.15	142.24
15921	2.06	135.15	142.23
15923	2.10	135.18	142.25
15925	2.12	135.14	142.26
15927	2.11	135.13	142.24
15929	2.09	135.14	142.26
15931	2.08	135.14	142.22
15933	2.11	135.15	142.24
15935	2.12	135.15	142.24
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15939	2.13	135.17	142.22
15941	2.08	135.14	142.23
15943	2.11	135.15	142.24
15945	2.09	135.12	142.21
15947	2.10	135.16	142.24
15949	2.07	135.15	142.24
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15953	2.11	135.14	142.24
15955	2.10	135.13	142.21
15957	2.10	135.15	142.23
15959	2.10	135.13	142.22
15961	2.09	135.13	142.23
15963	2.07	135.13	142.21

15965	2.11	135.14	142.24
15967	2.11	135.13	142.21
15969	2.10	135.13	142.23
15971	2.09	135.12	142.22
15973	2.10	135.15	142.22
15975	2.11	135.16	142.20
15977	2.08	135.11	142.19
15979	2.08	135.14	142.19
15981	2.11	135.09	142.23
15983	2.10	135.13	142.23
15985	2.10	135.12	142.21
15987	2.10	135.14	142.22
15989	2.11	135.13	142.22
15991	2.09	135.11	142.18
15993	2.09	135.13	142.22
15995	2.10	135.11	142.22
15997	2.08	135.11	142.19
15999	2.10	135.11	142.19
16001	2.11	135.13	142.19
16003	2.09	135.09	142.19
16005	2.09	135.12	142.19
16007	2.10	135.11	142.19
16009	2.07	135.14	142.20
16011	2.09	135.12	142.19
16013	2.10	135.10	142.18
16015	2.12	135.11	142.19
16017	2.10	135.12	142.18
16019	2.09	135.09	142.19
16021	2.12	135.09	142.16
16023	2.09	135.09	142.20
16025	2.10	135.09	142.18
16027	2.07	135.10	142.16
16029	2.09	135.10	142.21
16031	2.08	135.07	142.18
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16035	2.11	135.10	142.17
16037	2.09	135.08	142.18
16039	2.06	135.07	142.19
16041	2.10	135.09	142.15
16043	2.08	135.10	142.17
16045	2.10	135.09	142.17
16047	2.06	135.07	142.14
16049	2.08	135.08	142.18
16051	2.08	135.07	142.16
16053	2.07	135.07	142.16
16055	2.06	135.10	142.15
16057	2.08	135.09	142.16

16059	2.08	135.08	142.15
16061	2.10	135.03	142.17
16063	2.09	135.08	142.14
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16067	2.08	135.06	142.15
16069	2.09	135.07	142.17
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16073	2.08	135.07	142.15
16075	2.09	135.09	142.18
16077	2.07	135.09	142.14
16079	2.05	135.07	142.14
16081	2.09	135.06	142.16
16083	2.06	135.06	142.13
16085	2.09	135.07	142.13
16087	2.06	135.07	142.15
16089	2.07	135.07	142.15
16091	2.08	135.05	142.14
16093	2.09	135.05	142.16
16095	2.05	135.06	142.14
16097	2.06	135.07	142.14
16099	2.09	135.04	142.13
16101	2.06	135.05	142.16
16103	2.09	135.04	142.17
16105	2.10	135.06	142.15
16107	2.11	135.08	142.15
16109	2.12	135.05	142.14
16111	2.08	135.10	142.15
16113	2.06	135.07	142.16
16115	2.11	135.05	142.13
16117	2.09	135.06	142.14
16119	2.11	135.06	142.12
16121	2.07	135.03	142.14
16123	2.12	135.07	142.13
16125	2.11	135.04	142.11
16127	2.07	135.06	142.13
16129	2.14	135.04	142.13
16131	2.08	135.02	142.12
16133	2.08	135.05	142.12
16135	2.09	135.05	142.13
16137	2.09	135.03	142.11
16139	2.08	135.05	142.11
16141	2.10	135.03	142.12
16143	2.08	135.03	142.10
16145	2.09	135.03	142.11
16147	2.08	135.01	142.12
16149	2.09	135.04	142.09
16151	2.04	135.02	142.12

16153	2.07	135.03	142.11
16155	2.07	135.01	142.09
16157	2.08	135.03	142.10
16159	2.10	135.04	142.10
16161	2.07	135.00	142.09
16163	2.09	135.01	142.08
16165	2.11	135.01	142.10
16167	2.09	135.01	142.09
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16175	2.12	135.03	142.09
16177	2.12	135.03	142.11
16179	2.09	135.02	142.09
16181	2.10	135.04	142.09
16183	2.11	135.04	142.11
16185	2.10	135.00	142.11
16187	2.07	135.02	142.10
16189	2.09	135.02	142.11
16191	2.10	135.02	142.10
16193	2.08	135.03	142.07
16195	2.08	135.03	142.09
16197	2.11	135.01	142.08
16199	2.08	135.01	142.09
16201	2.13	135.02	142.12
16203	2.11	135.02	142.09
16205	2.12	134.99	142.07
16207	2.09	135.02	142.09
16209	2.11	135.00	142.08
16211	2.08	135.01	142.10
16213	2.10	135.01	142.09
16215	2.10	135.03	142.09
16217	2.11	135.00	142.08
16219	2.09	135.00	142.08
16221	2.10	134.99	142.09
16223	2.09	134.99	142.07
16225	2.12	134.99	142.10
16227	2.08	135.00	142.07
16229	2.11	134.98	142.07
16231	2.11	134.99	142.10
16233	2.09	134.99	142.07
16235	2.08	134.99	142.06
16237	2.09	135.01	142.08
16239	2.10	134.98	142.07
16241	2.10	135.01	142.09
16243	2.12	135.01	142.07
16245	2.08	134.97	142.07

16247	2.08	135.03	142.07
16249	2.08	135.00	142.06
16251	2.08	134.98	142.05
16253	2.06	134.98	142.06
16255	2.06	134.97	142.07
16257	2.07	134.97	142.05
16259	2.07	134.99	142.05
16261	2.10	134.97	142.07
16263	2.07	134.96	142.06
16265	2.09	134.96	142.06
16267	2.10	134.95	142.07
16269	2.08	134.98	142.06
16271	2.07	134.96	142.10
16273	2.09	134.99	142.06
16275	2.08	134.95	142.05
16277	2.11	134.96	142.05
16279	2.11	134.98	142.07
16281	2.08	134.96	142.06
16283	2.11	134.97	142.05
16285	2.10	134.99	142.05
16287	2.08	134.94	142.06
16289	2.11	135.00	142.06
16291	2.09	134.97	142.05
16293	2.10	134.94	142.07
16295	2.08	134.93	142.04
16297	2.08	134.95	142.08
16299	2.08	134.96	142.05
16301	2.08	134.96	142.02
16303	2.10	134.95	142.05
16305	2.06	134.95	142.05
16307	2.11	134.93	142.02
16309	2.08	134.96	142.02
16311	2.07	134.94	142.01
16313	2.09	134.93	142.02
16315	2.08	134.95	142.00
16317	2.10	134.95	142.00
16319	2.11	134.93	142.00
16321	2.08	134.92	142.02
16323	2.09	134.95	142.02
16325	2.06	134.95	142.01
16327	2.09	134.96	142.01
16329	2.09	134.96	142.03
16331	2.08	134.93	141.99
16333	2.08	134.95	142.02
16335	2.10	134.95	142.04
16337	2.11	134.95	142.08
16339	2.08	134.94	142.05

16341	2.08	134.92	141.99
16343	2.13	134.93	142.02
16345	2.11	134.92	142.06
16347	2.10	134.94	142.03
16349	2.11	134.94	142.04
16351	2.12	134.95	142.03
16353	2.08	134.94	142.03
16355	2.13	134.95	142.02
16357	2.13	134.95	142.03
16359	2.10	134.95	142.05
16361	2.09	134.95	142.06
16363	2.12	134.93	142.01
16365	2.11	134.93	142.02
16367	2.07	134.94	142.00
16369	2.10	134.95	142.03
16371	2.13	134.94	142.03
16373	2.09	134.93	142.02
16375	2.08	134.93	142.00
16377	2.10	134.92	141.99
16379	2.08	134.91	141.98
16381	2.07	134.92	142.01
16383	2.07	134.92	142.01
16385	2.10	134.91	142.00
16387	2.07	134.90	141.93
16389	2.10	134.90	141.97
16391	2.09	134.92	142.00
16393	2.06	134.93	141.95
16395	2.08	134.93	141.95
16397	2.12	134.91	142.00
16399	2.08	134.89	141.93
16401	2.08	134.89	141.96
16403	2.03	134.91	141.97
16405	2.08	134.91	142.00
16407	2.07	134.89	141.96
16409	2.07	134.90	141.93
16411	2.06	134.91	141.94
16413	2.06	134.88	141.92
16415	2.10	134.91	141.94
16417	2.08	134.91	141.96
16419	2.07	134.86	142.01
16421	2.10	134.88	141.97
16423	2.05	134.89	141.93
16425	2.09	134.90	141.94
16427	2.10	134.89	142.00
16429	2.06	134.90	142.00
16431	2.06	134.88	141.91
16433	2.07	134.90	141.94

16435	2.08	134.89	141.93
16437	2.08	134.87	141.97
16439	2.06	134.89	141.94
16441	2.07	134.87	141.96
16443	2.09	134.89	141.98
16445	2.07	134.88	141.95
16447	2.10	134.86	141.94
16449	2.11	134.88	141.97
16451	2.10	134.88	141.96
16453	2.11	134.88	141.93
16455	2.08	134.90	141.96
16457	2.09	134.89	141.94
16459	2.06	134.90	141.94
16461	2.08	134.89	141.96
16463	2.08	134.90	141.94
16465	2.11	134.87	141.95
16467	2.09	134.87	141.94
16469	2.08	134.91	141.93
16471	2.09	134.85	141.95
16473	2.08	134.87	141.93
16475	2.07	134.86	141.92
16477	2.06	134.88	141.90
16479	2.10	134.87	141.92
16481	2.10	134.87	141.93
16483	2.06	134.86	141.93
16485	2.04	134.86	141.91
16487	2.07	134.86	141.95
16489	2.09	134.87	141.92
16491	2.11	134.86	141.92
16493	2.11	134.87	141.93
16495	2.11	134.89	141.93
16497	2.06	134.87	141.91
16499	2.11	134.85	141.92
16501	2.06	134.85	141.93
16503	2.08	134.86	141.93
16505	2.10	134.84	141.91
16507	2.07	134.87	141.91
16509	2.05	134.84	141.90
16511	2.08	134.84	141.90
16513	2.06	134.86	141.93
16515	2.07	134.84	141.92
16517	2.08	134.84	141.91
16519	2.07	134.85	141.92
16521	2.10	134.85	141.94
16523	2.08	134.86	141.92
16525	2.09	134.87	141.90
16527	2.08	134.84	141.90

16529	2.09	134.86	141.91
16531	2.12	134.85	141.90
16533	2.11	134.85	141.89
16535	2.07	134.85	141.90
16537	2.09	134.82	141.90
16539	2.06	134.84	141.90
16541	2.04	134.85	141.89
16543	2.07	134.83	141.86
16545	2.05	134.84	141.89
16547	2.08	134.83	141.90
16549	2.06	134.81	141.88
16551	2.09	134.85	141.89
16553	2.09	134.85	141.90
16555	2.09	134.82	141.90
16557	2.09	134.86	141.88
16559	2.12	134.85	141.91
16561	2.08	134.84	141.90
16563	2.11	134.83	141.89
16565	2.11	134.82	141.86
16567	2.07	134.83	141.87
16569	2.08	134.82	141.88
16571	2.11	134.85	141.90
16573	2.07	134.85	141.88
16575	2.08	134.80	141.87
16577	2.09	134.82	141.87
16579	2.08	134.82	141.87
16581	2.08	134.79	141.89
16583	2.06	134.83	141.85
16585	2.09	134.81	141.86
16587	2.07	134.80	141.88
16589	2.07	134.78	141.87
16591	2.10	134.83	141.86
16593	2.08	134.83	141.89
16595	2.09	134.80	141.88
16597	2.09	134.84	141.87
16599	2.10	134.81	141.86
16601	2.10	134.82	141.88
16603	2.07	134.79	141.86
16605	2.08	134.82	141.87
16607	2.07	134.81	141.87
16609	2.09	134.81	141.88
16611	2.09	134.82	141.86
16613	2.08	134.80	141.87
16615	2.10	134.80	141.83
16617	2.05	134.81	141.86
16619	2.10	134.81	141.88
16621	2.06	134.79	141.85

16623	2.05	134.78	141.84
16625	2.10	134.81	141.88
16627	2.06	134.79	141.84
16629	2.05	134.81	141.83
16631	2.10	134.80	141.85
16633	2.10	134.80	141.85
16635	2.07	134.81	141.87
16637	2.10	134.77	141.83
16639	2.10	134.81	141.87
16641	2.11	134.81	141.86
16643	2.09	134.80	141.86
16645	2.11	134.80	141.86
16647	2.12	134.78	141.88
16649	2.09	134.81	141.85
16651	2.11	134.79	141.85
16653	2.10	134.79	141.84
16655	2.13	134.78	141.86
16657	2.08	134.79	141.86
16659	2.12	134.77	141.85
16661	2.11	134.80	141.84
16663	2.07	134.77	141.85
16665	2.06	134.77	141.85
16667	2.08	134.78	141.85
16669	2.05	134.76	141.84
16671	2.07	134.76	141.82
16673	2.11	134.78	141.84
16675	2.06	134.76	141.83
16677	2.06	134.79	141.82
16679	2.10	134.77	141.85
16681	2.09	134.78	141.86
16683	2.05	134.76	141.82
16685	2.06	134.76	141.81
16687	2.10	134.76	141.83
16689	2.05	134.75	141.84
16691	2.06	134.76	141.85
16693	2.10	134.78	141.83
16695	2.08	134.79	141.83
16697	2.09	134.77	141.80
16699	2.10	134.77	141.83
16701	2.10	134.76	141.83
16703	2.11	134.78	141.85
16705	2.12	134.74	141.83
16707	2.13	134.77	141.81
16709	2.09	134.77	141.85
16711	2.12	134.76	141.80
16713	2.08	134.76	141.82
16715	2.07	134.74	141.80

16717	2.09	134.75	141.82
16719	2.09	134.74	141.81
16721	2.08	134.75	141.80
16723	2.08	134.74	141.83
16725	2.08	134.73	141.79
16727	2.07	134.75	141.79
16729	2.09	134.78	141.82
16731	2.09	134.71	141.82
16733	2.10	134.72	141.78
16735	2.07	134.74	141.79
16737	2.08	134.73	141.79
16739	2.06	134.74	141.79
16741	2.10	134.74	141.81
16743	2.10	134.74	141.79
16745	2.09	134.75	141.82
16747	2.09	134.71	141.81
16749	2.13	134.75	141.80
16751	2.12	134.74	141.82
16753	2.10	134.76	141.81
16755	2.08	134.73	141.80
16757	2.09	134.72	141.80
16759	2.09	134.74	141.81
16761	2.06	134.73	141.79
16763	2.10	134.72	141.81
16765	2.10	134.73	141.80
16767	2.10	134.71	141.79
16769	2.09	134.75	141.78
16771	2.08	134.72	141.79
16773	2.06	134.70	141.78
16775	2.10	134.74	141.77
16777	2.09	134.72	141.80
16779	2.10	134.71	141.77
16781	2.08	134.71	141.79
16783	2.08	134.70	141.77
16785	2.07	134.71	141.78
16787	2.06	134.72	141.78
16789	2.08	134.69	141.73
16791	2.11	134.70	141.77
16793	2.08	134.72	141.77
16795	2.09	134.70	141.79
16797	2.09	134.69	141.78
16799	2.07	134.70	141.77
16801	2.05	134.71	141.77
16803	2.07	134.70	141.78
16805	2.07	134.68	141.76
16807	2.08	134.74	141.77
16809	2.10	134.70	141.77

16811	2.11	134.72	141.75
16813	2.09	134.72	141.74
16815	2.08	134.70	141.75
16817	2.07	134.67	141.75
16819	2.11	134.71	141.76
16821	2.10	134.72	141.76
16823	2.09	134.70	141.76
16825	2.12	134.69	141.77
16827	2.08	134.70	141.75
16829	2.06	134.70	141.75
16831	2.09	134.70	141.74
16833	2.11	134.70	141.73
16835	2.10	134.69	141.74
16837	2.05	134.70	141.74
16839	2.10	134.69	141.75
16841	2.10	134.68	141.73
16843	2.10	134.71	141.74
16845	2.10	134.67	141.73
16847	2.10	134.71	141.76
16849	2.08	134.70	141.74
16851	2.07	134.67	141.76
16853	2.09	134.69	141.75
16855	2.07	134.70	141.74
16857	2.09	134.67	141.74
16859	2.11	134.70	141.74
16861	2.10	134.69	141.75
16863	2.07	134.66	141.75
16865	2.04	134.68	141.74
16867	2.10	134.66	141.73
16869	2.05	134.66	141.70
16871	2.08	134.65	141.70
16873	2.07	134.68	141.74
16875	2.08	134.67	141.70
16877	2.10	134.65	141.72
16879	2.11	134.67	141.73
16881	2.10	134.66	141.73
16883	2.09	134.65	141.75
16885	2.12	134.65	141.74
16887	2.06	134.65	141.71
16889	2.09	134.69	141.72
16891	2.10	134.65	141.72
16893	2.13	134.64	141.72
16895	2.06	134.64	141.70
16897	2.08	134.64	141.71
16899	2.07	134.65	141.69
16901	2.07	134.66	141.69
16903	2.09	134.63	141.70

16905	2.07	134.65	141.71
16907	2.09	134.65	141.69
16909	2.06	134.64	141.68
16911	2.12	134.66	141.70
16913	2.09	134.67	141.72
16915	2.09	134.65	141.70
16917	2.09	134.64	141.71
16919	2.10	134.66	141.73
16921	2.10	134.63	141.69
16923	2.09	134.64	141.69
16925	2.12	134.64	141.70
16927	2.08	134.64	141.70
16929	2.11	134.62	141.70
16931	2.10	134.63	141.70
16933	2.08	134.65	141.69
16935	2.07	134.64	141.69
16937	2.08	134.62	141.69
16939	2.07	134.63	141.68
16941	2.11	134.65	141.69
16943	2.09	134.63	141.70
16945	2.08	134.66	141.69
16947	2.10	134.63	141.73
16949	2.11	134.63	141.68
16951	2.10	134.66	141.68
16953	2.10	134.64	141.70
16955	2.11	134.65	141.70
16957	2.10	134.63	141.71
16959	2.08	134.62	141.69
16961	2.09	134.62	141.66
16963	2.07	134.65	141.67
16965	2.10	134.62	141.66
16967	2.05	134.61	141.68
16969	2.08	134.61	141.67
16971	2.10	134.61	141.68
16973	2.09	134.63	141.67
16975	2.06	134.61	141.67
16977	2.07	134.60	141.69
16979	2.08	134.62	141.69
16981	2.11	134.63	141.68
16983	2.10	134.61	141.66
16985	2.12	134.62	141.69
16987	2.12	134.62	141.67
16989	2.07	134.61	141.66
16991	2.08	134.60	141.65
16993	2.07	134.61	141.68
16995	2.06	134.60	141.65
16997	2.10	134.59	141.66

16999	2.08	134.59	141.66
17001	2.10	134.63	141.66
17003	2.07	134.60	141.65
17005	2.08	134.59	141.67
17007	2.08	134.61	141.66
17009	2.10	134.58	141.64
17011	2.10	134.60	141.64
17013	2.14	134.59	141.65
17015	2.13	134.58	141.66
17017	2.14	134.62	141.68
17019	2.11	134.59	141.65
17021	2.11	134.59	141.66
17023	2.12	134.61	141.67
17025	2.13	134.60	141.66
17027	2.07	134.59	141.66
17029	2.16	134.62	141.64
17031	2.10	134.60	141.64
17033	2.06	134.57	141.63
17035	2.04	134.58	141.61
17037	2.15	134.57	141.63
17039	2.06	134.57	141.62
17041	2.12	134.57	141.61
17043	2.11	134.58	141.63
17045	2.10	134.59	141.64
17047	2.06	134.56	141.66
17049	2.09	134.59	141.63
17051	2.12	134.57	141.66
17053	2.11	134.59	141.64
17055	2.11	134.58	141.62
17057	2.09	134.59	141.63
17059	2.10	134.57	141.64
17061	2.10	134.57	141.64
17063	2.11	134.58	141.65
17065	2.10	134.57	141.62
17067	2.07	134.58	141.62
17069	2.09	134.58	141.63
17071	2.07	134.55	141.60
17073	2.05	134.59	141.62
17075	2.07	134.59	141.62
17077	2.09	134.56	141.63
17079	2.11	134.54	141.61
17081	2.07	134.55	141.61
17083	2.12	134.58	141.62
17085	2.07	134.56	141.60
17087	2.07	134.54	141.60
17089	2.15	134.57	141.63
17091	2.08	134.55	141.62

17093	2.09	134.56	141.62
17095	2.16	134.57	141.61
17097	2.10	134.57	141.62
17099	2.13	134.56	141.62
17101	2.13	134.55	141.61
17103	2.13	134.54	141.62
17105	2.11	134.55	141.63
17107	2.07	134.57	141.61
17109	2.14	134.52	141.62
17111	2.12	134.54	141.59
17113	2.12	134.54	141.63
17115	2.11	134.54	141.63
17117	2.08	134.54	141.60
17119	2.11	134.52	141.60
17121	2.12	134.55	141.61
17123	2.09	134.52	141.59
17125	2.11	134.54	141.57
17127	2.11	134.53	141.60
17129	2.06	134.50	141.61
17131	2.11	134.51	141.57
17133	2.02	134.52	141.61
17135	2.01	134.53	141.58
17137	2.09	134.51	141.57
17139	2.01	134.50	141.59
17141	2.06	134.50	141.57
17143	2.08	134.52	141.58
17145	2.05	134.51	141.60
17147	2.10	134.51	141.57
17149	2.07	134.51	141.57
17151	2.13	134.51	141.58
17153	2.05	134.52	141.58
17155	2.12	134.53	141.58
17157	2.05	134.52	141.59
17159	2.07	134.51	141.57
17161	2.07	134.49	141.58
17163	2.11	134.55	141.59
17165	2.15	134.51	141.59
17167	2.07	134.52	141.58
17169	2.14	134.54	141.58
17171	2.06	134.49	141.58
17173	2.10	134.50	141.59
17175	2.12	134.51	141.58
17177	2.08	134.51	141.58
17179	2.12	134.52	141.58
17181	2.06	134.49	141.57
17183	2.13	134.52	141.55
17185	2.06	134.49	141.55

17187	2.14	134.50	141.56
17189	2.06	134.49	141.56
17191	2.14	134.50	141.56
17193	2.06	134.50	141.54
17195	2.11	134.47	141.56
17197	2.07	134.48	141.57
17199	2.08	134.51	141.56
17201	2.10	134.48	141.56
17203	2.04	134.51	141.54
17205	2.06	134.50	141.56
17207	2.09	134.50	141.56
17209	2.07	134.49	141.58
17211	2.09	134.50	141.55
17213	2.11	134.47	141.58
17215	2.06	134.50	141.57
17217	2.08	134.48	141.56
17219	2.08	134.48	141.58
17221	2.09	134.47	141.55
17223	2.07	134.48	141.55
17225	2.11	134.50	141.53
17227	2.04	134.48	141.53
17229	2.04	134.45	141.54
17231	2.08	134.45	141.54
17233	2.07	134.47	141.53
17235	2.07	134.48	141.54
17237	2.11	134.47	141.53
17239	2.07	134.45	141.52
17241	2.09	134.44	141.53
17243	2.07	134.48	141.56
17245	2.07	134.48	141.55
17247	2.08	134.45	141.52
17249	2.09	134.45	141.56
17251	2.09	134.48	141.53
17253	2.08	134.45	141.55
17255	2.11	134.46	141.54
17257	2.11	134.46	141.54
17259	2.09	134.46	141.53
17261	2.08	134.45	141.53
17263	2.06	134.45	141.53
17265	2.08	134.44	141.52
17267	2.07	134.43	141.51
17269	2.09	134.44	141.53
17271	2.08	134.43	141.50
17273	2.10	134.47	141.50
17275	2.09	134.45	141.49
17277	2.08	134.43	141.51
17279	2.03	134.43	141.48

17281	2.10	134.44	141.50
17283	2.10	134.45	141.49
17285	2.09	134.44	141.48
17287	2.12	134.43	141.52
17289	2.10	134.45	141.51
17291	2.09	134.44	141.50
17293	2.10	134.44	141.49
17295	2.10	134.46	141.50
17297	2.13	134.43	141.50
17299	2.08	134.43	141.48
17301	2.13	134.43	141.49
17303	2.04	134.44	141.48
17305	2.08	134.43	141.49
17307	2.09	134.41	141.48
17309	2.09	134.38	141.48
17311	2.07	134.43	141.48
17313	2.08	134.41	141.48
17315	2.11	134.42	141.48
17317	2.06	134.41	141.48
17319	2.06	134.42	141.47
17321	2.07	134.45	141.51
17323	2.10	134.43	141.49
17325	2.07	134.43	141.45
17327	2.12	134.42	141.48
17329	2.10	134.40	141.50
17331	2.10	134.44	141.49
17333	2.09	134.41	141.47
17335	2.06	134.41	141.45
17337	2.07	134.42	141.49
17339	2.05	134.39	141.44
17341	2.03	134.40	141.44
17343	2.07	134.42	141.46
17345	2.04	134.43	141.45
17347	2.09	134.40	141.45
17349	2.09	134.42	141.45
17351	2.08	134.39	141.45
17353	2.04	134.38	141.43
17355	2.06	134.37	141.46
17357	2.09	134.40	141.45
17359	2.09	134.38	141.45
17361	2.09	134.38	141.45
17363	2.09	134.40	141.47
17365	2.11	134.40	141.47
17367	2.11	134.40	141.47
17369	2.11	134.39	141.47
17371	2.10	134.39	141.47
17373	2.09	134.39	141.44

17375	2.08	134.38	141.48
17377	2.07	134.38	141.45
17379	2.09	134.38	141.45
17381	2.10	134.40	141.47
17383	2.08	134.38	141.45
17385	2.09	134.39	141.46
17387	2.08	134.38	141.44
17389	2.13	134.36	141.42
17391	2.11	134.38	141.44
17393	2.08	134.36	141.46
17395	2.13	134.36	141.45
17397	2.09	134.35	141.43
17399	2.08	134.38	141.44
17401	2.09	134.38	141.42
17403	2.09	134.34	141.42
17405	2.11	134.38	141.42
17407	2.08	134.34	141.41
17409	2.10	134.37	141.41
17411	2.14	134.34	141.44
17413	2.08	134.34	141.42
17415	2.13	134.36	141.44
17417	2.10	134.36	141.40
17419	2.14	134.36	141.43
17421	2.11	134.35	141.40
17423	2.08	134.34	141.40
17425	2.09	134.35	141.44
17427	2.08	134.35	141.40
17429	2.12	134.35	141.41
17431	2.09	134.33	141.43
17433	2.12	134.35	141.40
17435	2.11	134.34	141.40
17437	2.11	134.34	141.40
17439	2.09	134.32	141.39
17441	2.10	134.34	141.40
17443	2.11	134.33	141.39
17445	2.09	134.31	141.39
17447	2.10	134.33	141.38
17449	2.08	134.31	141.38
17451	2.05	134.30	141.38
17453	2.07	134.32	141.38
17455	2.12	134.31	141.39
17457	2.05	134.32	141.39
17459	2.08	134.33	141.40
17461	2.09	134.32	141.38
17463	2.07	134.30	141.36
17465	2.04	134.30	141.38
17467	2.05	134.31	141.39

17469	2.12	134.31	141.40
17471	2.09	134.33	141.39
17473	2.09	134.33	141.40
17475	2.10	134.31	141.38
17477	2.09	134.31	141.39
17479	2.08	134.31	141.39
17481	2.08	134.32	141.39
17483	2.12	134.32	141.39
17485	2.07	134.31	141.38
17487	2.11	134.29	141.39
17489	2.08	134.33	141.38
17491	2.12	134.31	141.39
17493	2.12	134.29	141.40
17495	2.09	134.30	141.38
17497	2.12	134.29	141.38
17499	2.13	134.27	141.38
17501	2.08	134.31	141.36
17503	2.10	134.28	141.33
17505	2.13	134.30	141.37
17507	2.12	134.29	141.39
17509	2.11	134.28	141.34
17511	2.09	134.29	141.39
17513	2.11	134.28	141.39
17515	2.10	134.27	141.34
17517	2.12	134.26	141.37
17519	2.10	134.28	141.37
17521	2.13	134.25	141.33
17523	2.07	134.29	141.33
17525	2.13	134.27	141.36
17527	2.10	134.27	141.34
17529	2.08	134.23	141.33
17531	2.08	134.25	141.36
17533	2.06	134.27	141.32
17535	2.10	134.26	141.34
17537	2.05	134.26	141.32
17539	2.07	134.25	141.33
17541	2.09	134.23	141.32
17543	2.06	134.22	141.36
17545	2.09	134.25	141.32
17547	2.06	134.25	141.33
17549	2.06	134.24	141.33
17551	2.10	134.24	141.33
17553	2.08	134.24	141.34
17555	2.10	134.23	141.34
17557	2.09	134.24	141.33
17559	2.09	134.23	141.32
17561	2.09	134.23	141.34

17563	2.11	134.23	141.34
17565	2.08	134.23	141.35
17567	2.09	134.23	141.31
17569	2.11	134.26	141.32
17571	2.08	134.22	141.32
17573	2.09	134.24	141.32
17575	2.08	134.21	141.35
17577	2.09	134.24	141.32
17579	2.12	134.22	141.31
17581	2.07	134.24	141.32
17583	2.11	134.22	141.33
17585	2.14	134.22	141.29
17587	2.10	134.20	141.32
17589	2.08	134.23	141.33
17591	2.11	134.20	141.30
17593	2.07	134.16	141.32
17595	2.07	134.19	141.29
17597	2.10	134.23	141.31
17599	2.10	134.18	141.30
17601	2.07	134.21	141.31
17603	2.08	134.17	141.28
17605	2.10	134.18	141.29
17607	2.06	134.18	141.28
17609	2.08	134.20	141.29
17611	2.07	134.20	141.30
17613	2.06	134.17	141.29
17615	2.09	134.17	141.28
17617	2.08	134.19	141.27
17619	2.05	134.15	141.27
17621	2.09	134.18	141.26
17623	2.07	134.18	141.28
17625	2.10	134.19	141.29
17627	2.05	134.20	141.28
17629	2.10	134.16	141.27
17631	2.10	134.20	141.30
17633	2.10	134.18	141.27
17635	2.10	134.18	141.29
17637	2.08	134.16	141.28
17639	2.10	134.18	141.28
17641	2.10	134.19	141.29
17643	2.08	134.16	141.26
17645	2.10	134.16	141.27
17647	2.11	134.15	141.28
17649	2.07	134.16	141.27
17651	2.08	134.16	141.27
17653	2.10	134.15	141.28
17655	2.08	134.16	141.26

17657	2.09	134.15	141.24
17659	2.09	134.15	141.26
17661	2.08	134.16	141.28
17663	2.06	134.15	141.25
17665	2.08	134.16	141.28
17667	2.12	134.16	141.22
17669	2.08	134.16	141.26
17671	2.10	134.14	141.26
17673	2.12	134.17	141.28
17675	2.13	134.15	141.25
17677	2.13	134.14	141.25
17679	2.15	134.14	141.24
17681	2.09	134.14	141.22
17683	2.09	134.15	141.27
17685	2.07	134.12	141.23
17687	2.09	134.13	141.24
17689	2.08	134.12	141.24
17691	2.12	134.13	141.21
17693	2.05	134.11	141.21
17695	2.12	134.11	141.20
17697	2.08	134.11	141.24
17699	2.09	134.11	141.23
17701	2.08	134.09	141.20
17703	2.10	134.10	141.21
17705	2.10	134.13	141.21
17707	2.07	134.10	141.22
17709	2.08	134.11	141.22
17711	2.09	134.13	141.23
17713	2.12	134.12	141.22
17715	2.12	134.10	141.20
17717	2.13	134.13	141.20
17719	2.09	134.11	141.21
17721	2.09	134.10	141.23
17723	2.08	134.11	141.22
17725	2.11	134.09	141.21
17727	2.11	134.09	141.21
17729	2.09	134.11	141.22
17731	2.12	134.11	141.20
17733	2.10	134.09	141.20
17735	2.11	134.10	141.18
17737	2.09	134.08	141.22
17739	2.11	134.09	141.21
17741	2.11	134.09	141.19
17743	2.09	134.10	141.19
17745	2.13	134.10	141.18
17747	2.10	134.08	141.22
17749	2.11	134.08	141.18

17751	2.10	134.07	141.21
17753	2.10	134.07	141.18
17755	2.10	134.07	141.18
17757	2.10	134.05	141.17
17759	2.09	134.07	141.17
17761	2.10	134.05	141.16
17763	2.11	134.06	141.18
17765	2.07	134.06	141.15
17767	2.08	134.04	141.16
17769	2.08	134.05	141.15
17771	2.07	134.07	141.14
17773	2.09	134.04	141.17
17775	2.07	134.06	141.15
17777	2.09	134.05	141.16
17779	2.08	134.02	141.16
17781	2.05	134.03	141.16
17783	2.07	134.05	141.13
17785	2.08	134.03	141.14
17787	2.06	134.03	141.11
17789	2.07	134.02	141.15
17791	2.09	134.06	141.13
17793	2.10	134.01	141.13
17795	2.08	134.03	141.12
17797	2.11	134.03	141.15
17799	2.09	134.04	141.14
17801	2.06	134.00	141.12
17803	2.11	134.03	141.11
17805	2.09	134.00	141.12
17807	2.07	134.01	141.12
17809	2.08	134.03	141.13
17811	2.08	134.03	141.10
17813	2.10	134.01	141.10
17815	2.07	134.01	141.10
17817	2.08	134.00	141.12
17819	2.11	134.01	141.10
17821	2.07	134.01	141.09
17823	2.09	133.98	141.13
17825	2.10	133.99	141.10
17827	2.10	134.01	141.11
17829	2.12	134.03	141.12
17831	2.05	134.02	141.12
17833	2.10	134.00	141.11
17835	2.08	134.00	141.11
17837	2.11	134.02	141.11
17839	2.11	134.00	141.09
17841	2.09	134.01	141.12
17843	2.12	134.01	141.10

17845	2.12	133.98	141.08
17847	2.09	134.01	141.12
17849	2.10	134.01	141.10
17851	2.06	133.98	141.11
17853	2.12	133.98	141.09
17855	2.13	133.98	141.10
17857	2.11	133.98	141.11
17859	2.12	133.99	141.11
17861	2.09	133.97	141.09
17863	2.08	133.97	141.10
17865	2.10	133.98	141.07
17867	2.12	133.99	141.08
17869	2.11	133.96	141.07
17871	2.10	133.98	141.07
17873	2.07	133.96	141.07
17875	2.10	133.97	141.07
17877	2.10	133.95	141.07
17879	2.14	133.96	141.05
17881	2.09	133.97	141.08
17883	2.09	133.95	141.06
17885	2.09	133.95	141.06
17887	2.10	133.95	141.03
17889	2.06	133.94	141.04
17891	2.11	133.94	141.04
17893	2.08	133.94	141.06
17895	2.10	133.95	141.02
17897	2.08	133.95	141.03
17899	2.08	133.94	141.04
17901	2.08	133.95	141.03
17903	2.12	133.93	141.06
17905	2.08	133.92	141.02
17907	2.09	133.94	141.01
17909	2.12	133.97	141.03
17911	2.08	133.93	141.03
17913	2.08	133.93	141.02
17915	2.11	133.92	141.01
17917	2.09	133.93	140.99
17919	2.12	133.93	141.02
17921	2.06	133.93	141.00
17923	2.09	133.92	141.05
17925	2.08	133.90	141.01
17927	2.07	133.90	141.00
17929	2.08	133.90	140.99
17931	2.10	133.92	141.00
17933	2.10	133.91	141.00
17935	2.10	133.90	141.01
17937	2.10	133.91	140.99

17939	2.05	133.91	141.00
17941	2.12	133.90	141.02
17943	2.11	133.91	141.02
17945	2.08	133.88	141.02
17947	2.12	133.92	141.00
17949	2.10	133.91	140.99
17951	2.12	133.90	141.01
17953	2.13	133.89	140.99
17955	2.14	133.89	140.99
17957	2.09	133.91	140.99
17959	2.09	133.90	140.98
17961	2.13	133.91	140.98
17963	2.10	133.86	140.97
17965	2.10	133.86	140.97
17967	2.13	133.88	140.97
17969	2.08	133.86	140.96
17971	2.09	133.86	140.96
17973	2.11	133.86	140.98
17975	2.07	133.86	140.95
17977	2.11	133.90	140.95
17979	2.12	133.88	140.97
17981	2.11	133.83	140.99
17983	2.11	133.85	140.97
17985	2.11	133.87	140.95
17987	2.09	133.85	140.96
17989	2.10	133.86	140.97
17991	2.11	133.85	140.97
17993	2.10	133.84	140.99
17995	2.15	133.84	140.97
17997	2.12	133.83	140.98
17999	2.10	133.83	140.93
18001	2.10	133.87	140.95
18003	2.11	133.85	140.95
18005	2.14	133.84	140.95
18007	2.12	133.85	140.94
18009	2.11	133.82	140.97
18011	2.10	133.82	140.93
18013	2.12	133.84	140.92
18015	2.12	133.83	140.94
18017	2.11	133.83	140.96
18019	2.08	133.81	140.94
18021	2.11	133.82	140.94
18023	2.11	133.81	140.92
18025	2.07	133.82	140.91
18027	2.08	133.79	140.94
18029	2.13	133.83	140.92
18031	2.09	133.81	140.94

18033	2.11	133.80	140.90
18035	2.10	133.81	140.92
18037	2.11	133.80	140.93
18039	2.07	133.79	140.92
18041	2.09	133.80	140.90
18043	2.14	133.81	140.90
18045	2.08	133.79	140.90
18047	2.08	133.81	140.90
18049	2.13	133.81	140.92
18051	2.11	133.78	140.91
18053	2.10	133.79	140.90
18055	2.11	133.77	140.90
18057	2.13	133.79	140.88
18059	2.09	133.77	140.89
18061	2.12	133.78	140.91
18063	2.07	133.75	140.88
18065	2.10	133.75	140.85
18067	2.11	133.76	140.87
18069	2.11	133.76	140.88
18071	2.10	133.77	140.88
18073	2.11	133.74	140.88
18075	2.07	133.76	140.86
18077	2.09	133.76	140.85
18079	2.10	133.73	140.86
18081	2.12	133.74	140.84
18083	2.09	133.76	140.87
18085	2.11	133.72	140.86
18087	2.13	133.74	140.87
18089	2.08	133.73	140.85
18091	2.09	133.73	140.84
18093	2.12	133.77	140.85
18095	2.10	133.73	140.86
18097	2.07	133.75	140.84
18099	2.09	133.75	140.87
18101	2.09	133.72	140.84
18103	2.11	133.74	140.85
18105	2.13	133.72	140.85
18107	2.08	133.71	140.83
18109	2.12	133.71	140.85
18111	2.12	133.73	140.86
18113	2.10	133.73	140.83
18115	2.09	133.72	140.82
18117	2.12	133.72	140.83
18119	2.10	133.72	140.81
18121	2.11	133.70	140.82
18123	2.09	133.72	140.83
18125	2.10	133.69	140.81

18127	2.10	133.69	140.80
18129	2.09	133.69	140.80
18131	2.13	133.68	140.80
18133	2.08	133.68	140.77
18135	2.09	133.69	140.80
18137	2.10	133.68	140.78
18139	2.05	133.67	140.80
18141	2.12	133.65	140.79
18143	2.10	133.67	140.81
18145	2.07	133.67	140.80
18147	2.13	133.65	140.79
18149	2.09	133.67	140.80
18151	2.11	133.64	140.80
18153	2.10	133.66	140.79
18155	2.08	133.66	140.81
18157	2.13	133.67	140.77
18159	2.09	133.67	140.80
18161	2.12	133.63	140.78
18163	2.12	133.66	140.78
18165	2.11	133.66	140.77
18167	2.10	133.64	140.79
18169	2.13	133.67	140.77
18171	2.11	133.65	140.78
18173	2.10	133.64	140.78
18175	2.12	133.62	140.76
18177	2.12	133.64	140.77
18179	2.12	133.62	140.75
18181	2.11	133.63	140.79
18183	2.09	133.61	140.73
18185	2.10	133.60	140.73
18187	2.08	133.61	140.75
18189	2.07	133.57	140.75
18191	2.12	133.60	140.74
18193	2.09	133.60	140.74
18195	2.11	133.57	140.74
18197	2.09	133.61	140.75
18199	2.11	133.57	140.74
18201	2.09	133.59	140.73
18203	2.14	133.56	140.74
18205	2.12	133.58	140.70
18207	2.13	133.57	140.72
18209	2.11	133.57	140.74
18211	2.10	133.56	140.72
18213	2.16	133.55	140.70
18215	2.10	133.58	140.71
18217	2.14	133.57	140.72
18219	2.13	133.53	140.71

18221	2.11	133.55	140.71
18223	2.10	133.54	140.69
18225	2.11	133.55	140.68
18227	2.15	133.55	140.70
18229	2.12	133.52	140.70
18231	2.10	133.52	140.69
18233	2.14	133.53	140.68
18235	2.11	133.53	140.68
18237	2.12	133.52	140.66
18239	2.15	133.52	140.67
18241	2.10	133.50	140.68
18243	2.09	133.51	140.66
18245	2.11	133.51	140.65
18247	2.11	133.49	140.66
18249	2.11	133.49	140.65
18251	2.11	133.48	140.65
18253	2.12	133.46	140.64
18255	2.11	133.47	140.63
18257	2.10	133.47	140.64
18259	2.13	133.49	140.60
18261	2.08	133.46	140.59
18263	2.10	133.47	140.63
18265	2.12	133.46	140.60
18267	2.14	133.45	140.61
18269	2.13	133.46	140.60
18271	2.12	133.43	140.60
18273	2.13	133.44	140.60
18275	2.11	133.43	140.60
18277	2.13	133.40	140.61
18279	2.13	133.42	140.59
18281	2.15	133.43	140.59
18283	2.12	133.42	140.60
18285	2.11	133.40	140.58
18287	2.13	133.41	140.60
18289	2.11	133.40	140.57
18291	2.13	133.41	140.56
18293	2.13	133.39	140.58
18295	2.11	133.40	140.55
18297	2.12	133.36	140.55
18299	2.11	133.38	140.55
18301	2.14	133.41	140.55
18303	2.13	133.36	140.53
18305	2.09	133.36	140.52
18307	2.10	133.33	140.52
18309	2.12	133.36	140.50
18311	2.14	133.32	140.50
18313	2.09	133.35	140.50

18315	2.13	133.31	140.50
18317	2.11	133.33	140.51
18319	2.10	133.32	140.51
18321	2.10	133.31	140.52
18323	2.14	133.31	140.48
18325	2.10	133.30	140.48
18327	2.13	133.32	140.49
18329	2.11	133.30	140.47
18331	2.09	133.30	140.47
18333	2.11	133.32	140.47
18335	2.10	133.28	140.47
18337	2.11	133.29	140.47
18339	2.13	133.27	140.47
18341	2.13	133.28	140.46
18343	2.11	133.26	140.44
18345	2.10	133.28	140.47
18347	2.10	133.26	140.44
18349	2.13	133.29	140.45
18351	2.13	133.25	140.45
18353	2.12	133.26	140.43
18355	2.11	133.26	140.43
18357	2.15	133.26	140.45
18359	2.14	133.24	140.45
18361	2.15	133.27	140.43
18363	2.12	133.24	140.42
18365	2.15	133.25	140.40
18367	2.15	133.23	140.41
18369	2.14	133.23	140.40
18371	2.11	133.21	140.41
18373	2.12	133.22	140.41
18375	2.09	133.21	140.39
18377	2.14	133.23	140.36
18379	2.11	133.20	140.36
18381	2.10	133.19	140.37
18383	2.09	133.17	140.35
18385	2.10	133.17	140.36
18387	2.14	133.16	140.34
18389	2.09	133.17	140.35
18391	2.13	133.17	140.34
18393	2.11	133.15	140.32
18395	2.13	133.16	140.33
18397	2.13	133.16	140.33
18399	2.11	133.16	140.33
18401	2.14	133.16	140.34
18403	2.14	133.15	140.34
18405	2.11	133.14	140.34
18407	2.11	133.14	140.31

18409	2.10	133.13	140.31
18411	2.13	133.12	140.32
18413	2.14	133.11	140.31
18415	2.17	133.12	140.28
18417	2.13	133.13	140.28
18419	2.16	133.13	140.30
18421	2.15	133.12	140.28
18423	2.15	133.09	140.29
18425	2.15	133.11	140.28
18427	2.15	133.11	140.28
18429	2.12	133.08	140.27
18431	2.12	133.11	140.24
18433	2.12	133.10	140.26
18435	2.17	133.10	140.26
18437	2.12	133.09	140.26
18439	2.11	133.07	140.24
18441	2.12	133.09	140.25
18443	2.14	133.07	140.24
18445	2.13	133.08	140.25
18447	2.13	133.08	140.25
18449	2.14	133.06	140.22
18451	2.13	133.04	140.24
18453	2.13	133.07	140.24
18455	2.12	133.03	140.21
18457	2.10	133.04	140.23
18459	2.17	133.03	140.22
18461	2.17	133.04	140.20
18463	2.14	133.02	140.18
18465	2.15	133.03	140.20
18467	2.17	133.03	140.20
18469	2.17	133.03	140.20
18471	2.13	133.01	140.19
18473	2.12	133.01	140.18
18475	2.12	133.02	140.18
18477	2.15	133.00	140.20
18479	2.16	133.01	140.16
18481	2.11	132.99	140.15
18483	2.12	133.00	140.17
18485	2.15	132.98	140.14
18487	2.15	132.99	140.15
18489	2.14	132.97	140.16
18491	2.16	132.99	140.15
18493	2.15	132.95	140.14
18495	2.15	132.95	140.13
18497	2.13	132.96	140.12
18499	2.13	132.97	140.13
18501	2.15	132.94	140.11

18503	2.14	132.94	140.11
18505	2.10	132.93	140.13
18507	2.14	132.94	140.09
18509	2.11	132.91	140.09
18511	2.12	132.92	140.08
18513	2.15	132.91	140.10
18515	2.13	132.90	140.09
18517	2.12	132.89	140.07
18519	2.14	132.90	140.08
18521	2.14	132.91	140.06
18523	2.13	132.88	140.06
18525	2.11	132.89	140.06
18527	2.14	132.89	140.04
18529	2.12	132.86	140.05
18531	2.11	132.86	140.02
18533	2.12	132.88	140.05
18535	2.13	132.85	140.01
18537	2.13	132.88	140.03
18539	2.11	132.84	139.99
18541	2.11	132.85	140.01
18543	2.11	132.87	140.00
18545	2.12	132.85	140.00
18547	2.11	132.83	139.98
18549	2.12	132.85	139.98
18551	2.14	132.84	139.99
18553	2.12	132.82	139.96
18555	2.14	132.83	139.98
18557	2.12	132.81	139.97
18559	2.10	132.82	139.96
18561	2.15	132.83	139.97
18563	2.11	132.83	139.95
18565	2.10	132.78	139.93
18567	2.14	132.81	139.95
18569	2.10	132.80	139.97
18571	2.08	132.78	139.94
18573	2.13	132.80	139.95
18575	2.12	132.82	139.93
18577	2.12	132.79	139.91
18579	2.11	132.79	139.92
18581	2.12	132.77	139.93
18583	2.09	132.74	139.92
18585	2.12	132.77	139.89
18587	2.11	132.75	139.89
18589	2.11	132.73	139.90
18591	2.14	132.74	139.89
18593	2.13	132.74	139.91
18595	2.10	132.74	139.88

18597	2.11	132.74	139.89
18599	2.14	132.74	139.88
18601	2.18	132.72	139.87
18603	2.16	132.73	139.89
18605	2.14	132.72	139.88
18607	2.14	132.73	139.87
18609	2.15	132.71	139.86
18611	2.17	132.71	139.90
18613	2.15	132.72	140.01
18615	2.13	132.72	139.97
18617	2.15	132.71	140.00
18619	2.14	132.72	139.96
18621	2.15	132.69	139.97
18623	2.15	132.68	139.95
18625	2.14	132.68	139.96
18627	2.16	132.66	139.92
18629	2.16	132.67	139.92
18631	2.12	132.67	139.92
18633	2.11	132.65	139.88
18635	2.14	132.64	139.89
18637	2.12	132.63	139.89
18639	2.12	132.63	139.88
18641	2.11	132.64	139.89
18643	2.13	132.63	139.86
18645	2.13	132.63	139.85
18647	2.13	132.62	139.82
18649	2.14	132.63	139.85
18651	2.14	132.63	139.84
18653	2.12	132.62	139.81
18655	2.12	132.61	139.82
18657	2.13	132.61	139.83
18659	2.11	132.58	139.80
18661	2.12	132.59	139.85
18663	2.15	132.59	139.86
18665	2.12	132.60	139.91
18667	2.13	132.57	139.86
18669	2.16	132.57	139.88
18671	2.13	132.57	139.93
18673	2.15	132.57	139.94
18675	2.16	132.55	139.92
18677	2.14	132.59	139.93
18679	2.16	132.58	139.91
18681	2.12	132.55	139.90
18683	2.15	132.55	139.90
18685	2.09	132.56	139.92
18687	2.12	132.55	139.95
18689	2.14	132.54	139.93

18691	2.12	132.54	139.96
18693	2.13	132.54	139.97
18695	2.11	132.53	139.97
18697	2.13	132.52	139.96
18699	2.12	132.54	139.97
18701	2.12	132.53	139.94
18703	2.13	132.53	139.94
18705	2.13	132.53	139.94
18707	2.13	132.55	139.91
18709	2.11	132.52	139.91
18711	2.10	132.55	139.91
18713	2.14	132.54	139.91
18715	2.12	132.54	139.93
18717	2.12	132.54	139.96
18719	2.13	132.53	139.98
18721	2.10	132.53	140.00
18723	2.14	132.54	140.01
18725	2.15	132.53	140.05
18727	2.08	132.54	140.05
18729	2.14	132.55	140.04
18731	2.13	132.54	140.06
18733	2.15	132.53	140.03
18735	2.14	132.53	140.03
18737	2.13	132.53	139.99
18739	2.15	132.53	140.00
18741	2.10	132.54	139.98
18743	2.13	132.52	139.96
18745	2.10	132.52	139.99
18747	2.16	132.53	139.97
18749	2.14	132.53	139.97
18751	2.11	132.53	139.95
18753	2.16	132.53	139.96
18755	2.14	132.51	139.94
18757	2.12	132.52	139.92
18759	2.16	132.52	139.90
18761	2.14	132.53	139.90
18763	2.13	132.52	139.91
18765	2.15	132.51	139.88
18767	2.13	132.51	139.89
18769	2.10	132.50	139.88
18771	2.13	132.49	139.88
18773	2.11	132.50	139.85
18775	2.11	132.51	139.87
18777	2.11	132.50	139.85
18779	2.17	132.49	139.86
18781	2.10	132.52	139.84
18783	2.10	132.50	139.85

18785	2.14	132.52	139.83
18787	2.10	132.50	139.81
18789	2.12	132.50	139.82
18791	2.11	132.51	139.80
18793	2.15	132.50	139.83
18795	2.14	132.49	139.81
18797	2.10	132.51	139.82
18799	2.13	132.50	139.80
18801	2.14	132.50	139.78
18803	2.10	132.49	139.80

**STRADDLE PACKER TESTING FIELD INFORMATION**

WELL:	MW-85	INTERVAL:	100	115
PROJECT:	GES - Bishop Tube	CLIENT:	GES	
PERSONNEL:	RC, DD	DATE:	4/2/2026	W.O.#: FS1604

SETTING DEPTHS		DATA COLLECTION CALIBRATION					Initial Pipe Tally:		20		
Pump Location:	92.85	Configuration Filename: x									
Upper Packer - Top:	96.7	Current V = static water level (ft)					Pipes That Remain on Truck: 16				
Upper Packer - Bottom:	100	Open Air V = transducer depth (ft)									
Water Intake:	112.9	CHANNEL 1 (Top)		CHANNEL 2 (Middle)		CHANNEL 3 (Lower)					
Lower Packer - Top:	115	6.88375E-03	V=	2.10	8.94203E-03	V=	2.10	9.02110E-03	V= 2.10		
Lower Packer - Bottom:	118.3	4.7742E-03	V=	90.85	5.2166E-03	V=	108.00	5.1684E-03	V= 120.10		
Assembly Bottom:	120.1	Additional Calibration Notes									
PACKER INFLATION (psi)											
TOP	BOTTOM										
Minimum Required	Minimum Required										
181	189										
Actual PSI Used											
220	220										
TEST SEQUENCE		Open Hole Static Water Level:					2.10				
Begin Logging	11:55										
Start Inflation	11:56										
Begin Pumping	x										
End Pumping	x										
End Logging	12:30										
PUMPING RECORD											
Pumping Interval:	100	PRE- INFLATION		POST- INFLATION		PRE- PUMPING		PUMPING LEVEL		RECOVERY	
Pumping Rate:	x gal/min	2.41		1.53		x		x		x	
Pumping Duration:	#VALUE!	2.41		0.80		x		x		x	
Maximum Drawdown:	#VALUE!	2.44		-0.02		x		x		x	
Zone Volume	22										
Volume Purged	x										
Nature of Discharge:	x										
Recovery Time	#VALUE!										
Percentage Recovery	#VALUE!										
RATE ADJUSTMENTS											
x											
SUMMARY											
Slug test only. Recovery was observed for 26 minutes and the zone had not fully recovered in that time. GES decided no pumping or sampling was going to be done due to extremely low production.											

Column1	Column2	Column3	Column4
DASYLab 2016 - 2016			
Worksheet name: MW-85 Zone 4 (100-115) pt.2			
Recording date : 4/2/2026		11:55:20 AM	
Block length : 1			
Delta : 2 sec.			
Number of channels : 3			
Measurement time[s]	Upper Zone [ft]	Pumping Zone [ft]	Lower Zone [ft]
2	2.38	2.42	2.43
4	2.34	2.40	2.43
6	2.40	2.44	2.44
8	2.38	2.43	2.45
10	2.39	2.41	2.48
12	2.42	2.44	2.43
14	2.37	2.45	2.46
16	2.41	2.41	2.44
18	2.41	2.45	2.49
20	2.44	2.44	2.47
22	2.44	2.45	2.47
24	2.43	2.45	2.48
26	2.44	2.48	2.49
28	2.46	2.49	2.48
30	2.44	2.46	2.49
32	2.43	2.49	2.51
34	2.42	2.48	2.49
36	2.43	2.47	2.48
38	2.45	2.50	2.49
40	2.44	2.47	2.48
42	2.40	2.46	2.50
44	2.44	2.48	2.51
46	2.44	2.45	2.49
48	2.42	2.46	2.50
50	2.45	2.49	2.49
52	2.44	2.46	2.48
54	2.41	2.48	2.50
56	2.43	2.46	2.48
58	2.46	2.49	2.50
60	2.43	2.48	2.51
62	2.48	2.46	2.49
64	2.47	2.49	2.50
66	2.48	2.50	2.52
68	2.48	2.49	2.52
70	2.49	2.50	2.55
72	2.50	2.49	2.54
74	2.58	2.64	2.71
76	2.45	2.43	2.40
78	2.40	2.41	2.41

80	2.36	2.36	2.38
82	2.30	2.30	2.31
84	2.22	2.24	2.23
86	2.15	2.16	2.15
88	2.10	2.11	2.09
90	2.02	2.02	2.03
92	1.95	1.96	1.94
94	1.93	1.92	1.89
96	1.87	1.87	1.87
98	1.80	1.84	1.80
100	1.71	1.79	1.75
102	1.77	1.77	1.76
104	1.70	1.70	1.71
106	1.69	1.67	1.65
108	1.63	1.62	1.60
110	1.61	1.63	1.57
112	1.56	1.61	1.54
114	1.58	1.59	1.51
116	1.57	1.57	1.35
118	1.53	1.55	1.16
120	1.57	1.56	0.37
122	1.55	1.53	-1.70
124	1.57	1.53	-4.70
126	1.54	1.55	-7.88
128	1.55	1.57	-10.81
130	1.56	1.55	-13.23
132	1.51	1.54	-15.11
134	1.50	1.56	-16.29
136	1.54	1.58	-16.38
138	1.56	1.56	-15.74
140	1.55	1.57	-14.66
142	1.55	1.59	-13.41
144	1.58	1.59	-12.31
146	1.58	1.57	-11.97
148	1.57	1.58	-12.03
150	1.60	1.59	-12.16
152	1.56	1.59	-12.01
154	1.55	1.60	-11.38
156	1.58	1.59	-10.45
158	1.62	1.63	-9.35
160	1.58	1.63	-8.34
162	1.66	1.62	-7.44
164	1.64	1.65	-6.64
166	1.64	1.62	-5.90
168	1.61	1.63	-5.22
170	1.63	1.64	-4.63
172	1.48	1.44	-4.11

174	1.55	1.58	-3.63
176	1.52	1.58	-3.20
178	1.47	1.49	-2.83
180	1.42	1.43	-2.50
182	1.37	1.37	-2.20
184	1.30	1.31	-1.96
186	1.24	1.25	-1.74
188	1.20	1.23	-1.56
190	1.21	1.20	-1.43
192	1.19	1.18	-1.32
194	1.12	1.10	-1.21
196	1.06	1.10	-1.13
198	1.05	1.05	-1.04
200	0.96	1.01	-0.98
202	0.97	0.97	-0.94
204	0.93	0.94	-0.89
206	0.89	0.91	-0.86
208	0.87	0.87	-0.81
210	0.88	0.88	-0.80
212	0.82	0.82	-0.76
214	0.76	0.81	-0.72
216	0.77	0.74	-0.81
218	0.75	0.77	-1.33
220	0.80	0.69	-1.95
222	0.77	0.67	-2.34
224	0.77	0.66	-2.42
226	0.78	0.63	-2.33
228	0.76	0.66	-2.21
230	0.76	0.62	-2.05
232	0.82	0.71	-1.90
234	0.80	0.58	-1.94
236	0.81	0.61	-2.01
238	0.83	0.59	-2.10
240	0.82	0.59	-2.16
242	0.81	0.59	-2.19
244	0.82	0.58	-2.18
246	0.83	0.58	-2.13
248	0.86	0.57	-2.06
250	0.83	0.58	-1.91
252	0.87	0.59	-1.76
254	0.88	0.57	-1.57
256	0.87	0.56	-1.46
258	0.87	0.59	-1.43
260	0.87	0.58	-1.40
262	0.88	0.58	-1.34
264	0.91	0.57	-1.24
266	0.92	0.57	-1.16

268	0.90	0.57	-1.11
270	0.91	0.56	-1.01
272	0.94	0.56	-0.95
274	0.92	0.58	-0.91
276	0.92	0.61	-0.84
278	0.95	0.60	-0.80
280	0.98	0.58	-0.78
282	0.95	0.57	-0.76
284	0.97	0.59	-0.74
286	0.99	0.59	-0.70
288	0.99	0.59	-0.65
290	0.99	0.57	-0.60
292	0.98	0.59	-0.61
294	0.97	0.56	-0.99
296	1.01	0.63	-1.14
298	1.01	0.62	-1.06
300	0.99	0.59	-0.95
302	1.02	0.59	-0.86
304	0.99	0.60	-0.76
306	1.01	0.60	-0.65
308	1.03	0.59	-0.59
310	1.05	0.61	-0.51
312	1.02	0.59	-0.47
314	1.02	0.61	-0.40
316	1.05	0.59	-0.36
318	1.07	0.62	-0.37
320	1.07	0.61	-0.28
322	1.07	0.62	-0.23
324	1.07	0.61	-0.27
326	1.05	0.62	-0.28
328	1.08	0.60	-0.30
330	1.11	0.64	-0.25
332	1.10	0.62	-0.27
334	1.11	0.63	-0.25
336	1.10	0.64	-0.18
338	1.12	0.65	-0.16
340	1.08	0.63	-0.16
342	1.13	0.64	-0.19
344	1.14	0.66	-0.17
346	1.15	0.64	-0.16
348	1.13	0.65	-0.17
350	1.17	0.67	-0.17
352	1.15	0.64	-0.17
354	1.16	0.67	-0.18
356	1.17	0.68	-0.19
358	1.19	0.68	-0.21
360	1.21	0.69	-0.22

362	1.20	0.67	-0.20
364	1.20	0.69	-0.23
366	1.20	0.69	-0.25
368	1.21	0.67	-0.21
370	1.21	0.66	-0.17
372	1.23	0.70	-0.15
374	1.21	0.66	-0.10
376	1.23	0.69	-0.12
378	1.23	0.67	-0.08
380	1.21	0.67	-0.05
382	1.25	0.69	-0.06
384	1.26	0.70	-0.08
386	1.28	0.68	-0.07
388	1.26	0.67	-0.11
390	1.28	0.68	-0.09
392	1.26	0.71	-0.10
394	1.30	0.70	-0.09
396	1.29	0.72	-0.09
398	1.31	0.71	-0.12
400	1.29	0.70	-0.13
402	1.36	0.73	-0.13
404	1.32	0.73	-0.14
406	1.33	0.73	-0.14
408	1.35	0.75	-0.13
410	1.33	0.74	-0.14
412	1.32	0.73	-0.16
414	1.36	0.74	-0.14
416	1.43	0.74	-0.15
418	1.36	0.73	-0.18
420	1.37	0.76	-0.18
422	1.41	0.75	-0.17
424	1.40	0.75	-0.19
426	1.42	0.74	-0.18
428	1.37	0.77	-0.17
430	1.39	0.75	-0.19
432	1.40	0.77	-0.18
434	1.40	0.78	-0.13
436	1.43	0.76	-0.15
438	1.42	0.77	-0.13
440	1.43	0.80	-0.10
442	1.41	0.77	-0.09
444	1.45	0.74	-0.10
446	1.45	0.76	-0.04
448	1.41	0.80	-0.01
450	1.42	0.79	0.01
452	1.42	0.78	-0.02
454	1.47	0.79	0.00

456	1.43	0.75	0.02
458	1.44	0.78	-0.03
460	1.50	0.78	-0.01
462	1.47	0.81	0.01
464	1.46	0.81	0.01
466	1.50	0.80	-0.01
468	1.49	0.79	-0.03
470	1.51	0.82	-0.02
472	1.51	0.80	-0.02
474	1.52	0.81	-0.03
476	1.51	0.81	-0.01
478	1.53	0.83	-0.02
480	1.53	0.83	-0.02
482	1.55	0.84	-0.04
484	1.55	0.82	-0.04
486	1.55	0.83	-0.01
488	1.55	0.83	0.05
490	1.55	0.84	0.05
492	1.56	0.81	0.02
494	1.54	0.82	-0.00
496	1.57	0.84	0.01
498	1.56	0.82	-0.00
500	1.55	0.82	-0.00
502	1.56	0.82	0.01
504	1.58	0.83	-0.02
506	1.59	0.85	-0.01
508	1.58	0.84	-0.01
510	1.58	0.83	0.02
512	1.62	0.83	0.01
514	1.58	0.47	0.06
516	1.63	-3.61	0.02
518	1.60	-2.95	0.04
520	1.58	-2.42	0.02
522	1.60	-2.07	0.03
524	1.64	-1.26	0.03
526	1.61	-2.23	0.02
528	1.61	-1.82	0.02
530	1.61	-1.94	0.03
532	1.66	-1.94	0.02
534	1.68	-1.92	-0.02
536	1.68	-1.90	-0.01
538	1.64	-1.91	-0.01
540	1.62	-1.91	-0.01
542	1.67	-1.92	-0.04
544	1.68	-1.91	-0.03
546	1.64	-1.92	-0.03
548	1.68	-1.90	-0.04

550	1.67	-1.89	-0.02
552	1.68	-1.88	-0.02
554	1.66	-1.87	-0.03
556	1.67	-1.87	-0.03
558	1.66	-1.85	-0.04
560	1.70	-1.85	-0.05
562	1.69	-1.86	-0.04
564	1.72	-1.82	-0.04
566	1.72	-1.84	-0.04
568	1.69	-1.86	-0.07
570	1.69	-1.85	-0.07
572	1.72	-1.85	-0.05
574	1.72	-1.84	-0.07
576	1.72	-1.82	-0.06
578	1.73	-1.83	-0.08
580	1.73	-1.79	-0.08
582	1.73	-1.80	-0.08
584	1.75	-1.80	-0.07
586	1.78	-1.78	-0.07
588	1.76	-1.79	-0.08
590	1.75	-1.79	-0.09
592	1.75	-1.80	-0.09
594	1.76	-1.76	-0.10
596	1.74	-1.77	-0.10
598	1.74	-1.77	-0.12
600	1.75	-1.80	-0.11
602	1.73	-1.76	-0.09
604	1.74	-1.76	-0.13
606	1.77	-1.76	-0.14
608	1.77	-1.73	-0.10
610	1.79	-1.74	-0.13
612	1.80	-1.75	-0.13
614	1.80	-1.72	-0.12
616	1.79	-1.72	-0.11
618	1.81	-1.70	-0.12
620	1.81	-1.72	-0.11
622	1.84	-1.72	-0.13
624	1.84	-1.70	-0.12
626	1.85	-1.72	-0.14
628	1.82	-1.69	-0.13
630	1.80	-1.68	-0.13
632	1.82	-1.66	-0.12
634	1.86	-1.70	-0.17
636	1.82	-1.70	-0.13
638	1.84	-1.67	-0.15
640	1.83	-1.68	-0.16
642	1.86	-1.69	-0.15

644	1.82	-1.65	-0.15
646	1.87	-1.67	-0.14
648	1.85	-1.64	-0.15
650	1.82	-1.69	-0.16
652	1.85	-1.65	-0.18
654	1.88	-1.62	-0.16
656	1.87	-1.63	-0.17
658	1.88	-1.65	-0.17
660	1.89	-1.62	-0.15
662	1.87	-1.62	-0.19
664	1.87	-1.63	-0.18
666	1.91	-1.62	-0.17
668	1.94	-1.63	-0.17
670	1.92	-1.61	-0.16
672	1.91	-1.59	-0.18
674	1.89	-1.62	-0.18
676	1.88	-1.60	-0.18
678	1.90	-1.60	-0.17
680	1.90	-1.61	-0.17
682	1.92	-1.62	-0.20
684	1.91	-1.59	-0.24
686	1.94	-1.57	-0.22
688	1.94	-1.60	-0.20
690	1.93	-1.59	-0.21
692	1.91	-1.58	-0.20
694	1.92	-1.56	-0.23
696	1.92	-1.56	-0.22
698	1.88	-1.59	-0.23
700	1.92	-1.58	-0.21
702	1.97	-1.55	-0.22
704	1.98	-1.54	-0.23
706	1.92	-1.55	-0.24
708	1.99	-1.55	-0.20
710	1.95	-1.54	-0.20
712	1.99	-1.55	-0.23
714	1.98	-1.53	-0.21
716	1.98	-1.54	-0.20
718	1.99	-1.52	-0.23
720	1.97	-1.54	-0.25
722	1.98	-1.53	-0.22
724	2.00	-1.51	-0.21
726	2.02	-1.50	-0.23
728	2.00	-1.54	-0.29
730	1.99	-1.48	-0.26
732	2.02	-1.49	-0.27
734	2.01	-1.50	-0.24
736	2.05	-1.48	-0.33

738	2.03	-1.48	-0.24
740	2.02	-1.48	-0.24
742	2.01	-1.46	-0.28
744	2.03	-1.48	-0.26
746	2.01	-1.46	-0.26
748	2.00	-1.48	-0.26
750	2.01	-1.45	-0.23
752	2.07	-1.46	-0.27
754	2.04	-1.45	-0.29
756	2.04	-1.46	-0.27
758	2.03	-1.47	-0.27
760	2.04	-1.47	-0.24
762	2.05	-1.47	-0.27
764	2.06	-1.48	-0.27
766	2.04	-1.46	-0.27
768	2.04	-1.43	-0.30
770	2.02	-1.45	-0.29
772	2.04	-1.45	-0.30
774	2.03	-1.43	-0.27
776	1.99	-1.44	-0.31
778	2.02	-1.44	-0.32
780	2.03	-1.44	-0.27
782	2.06	-1.41	-0.30
784	2.06	-1.42	-0.30
786	2.04	-1.42	-0.30
788	2.11	-1.39	-0.30
790	2.08	-1.38	-0.29
792	2.08	-1.37	-0.31
794	2.10	-1.39	-0.32
796	2.12	-1.37	-0.28
798	2.12	-1.38	-0.31
800	2.07	-1.38	-0.29
802	2.10	-1.38	-0.29
804	2.07	-1.39	-0.31
806	2.12	-1.39	-0.31
808	2.10	-1.37	-0.32
810	2.10	-1.37	-0.31
812	2.09	-1.38	-0.34
814	2.12	-1.36	-0.30
816	2.08	-1.36	-0.32
818	2.11	-1.37	-0.30
820	2.09	-1.37	-0.29
822	2.10	-1.37	-0.35
824	2.09	-1.36	-0.33
826	2.12	-1.40	-0.34
828	2.14	-1.36	-0.36
830	2.14	-1.35	-0.34

832	2.12	-1.33	-0.34
834	2.13	-1.34	-0.35
836	2.13	-1.35	-0.35
838	2.14	-1.33	-0.33
840	2.13	-1.32	-0.35
842	2.11	-1.33	-0.35
844	2.17	-1.34	-0.35
846	2.15	-1.32	-0.34
848	2.12	-1.33	-0.34
850	2.15	-1.34	-0.33
852	2.16	-1.32	-0.34
854	2.13	-1.31	-0.35
856	2.15	-1.30	-0.35
858	2.18	-1.30	-0.36
860	2.15	-1.33	-0.34
862	2.14	-1.30	-0.38
864	2.15	-1.29	-0.35
866	2.15	-1.30	-0.37
868	2.18	-1.27	-0.34
870	2.15	-1.28	-0.34
872	2.21	-1.31	-0.36
874	2.17	-1.28	-0.37
876	2.21	-1.30	-0.35
878	2.21	-1.27	-0.33
880	2.20	-1.27	-0.36
882	2.19	-1.27	-0.36
884	2.20	-1.28	-0.35
886	2.19	-1.27	-0.33
888	2.18	-1.27	-0.36
890	2.22	-1.22	-0.32
892	2.23	-1.25	-0.35
894	2.24	-1.24	-0.36
896	2.23	-1.24	-0.35
898	2.23	-1.23	-0.34
900	2.22	-1.24	-0.38
902	2.23	-1.23	-0.38
904	2.24	-1.23	-0.34
906	2.22	-1.23	-0.36
908	2.25	-1.21	-0.34
910	2.24	-1.22	-0.37
912	2.24	-1.22	-0.38
914	2.24	-1.22	-0.37
916	2.25	-1.21	-0.37
918	2.21	-1.20	-0.36
920	2.24	-1.19	-0.37
922	2.25	-1.21	-0.38
924	2.25	-1.20	-0.37

926	2.21	-1.19	-0.40
928	2.24	-1.21	-0.35
930	2.26	-1.20	-0.36
932	2.23	-1.18	-0.36
934	2.25	-1.20	-0.40
936	2.27	-1.19	-0.38
938	2.23	-1.18	-0.38
940	2.22	-1.18	-0.38
942	2.25	-1.18	-0.40
944	2.26	-1.18	-0.40
946	2.25	-1.19	-0.41
948	2.26	-1.18	-0.41
950	2.27	-1.16	-0.39
952	2.29	-1.18	-0.39
954	2.30	-1.17	-0.37
956	2.27	-1.18	-0.39
958	2.24	-1.17	-0.39
960	2.27	-1.15	-0.38
962	2.30	-1.14	-0.37
964	2.27	-1.15	-0.40
966	2.31	-1.15	-0.39
968	2.36	-1.14	-0.40
970	2.33	-1.15	-0.36
972	2.30	-1.14	-0.37
974	2.30	-1.12	-0.39
976	2.27	-1.15	-0.36
978	2.25	-1.13	-0.38
980	2.29	-1.11	-0.40
982	2.25	-1.14	-0.40
984	2.27	-1.12	-0.40
986	2.27	-1.10	-0.40
988	2.30	-1.12	-0.39
990	2.29	-1.13	-0.42
992	2.29	-1.11	-0.41
994	2.30	-1.11	-0.43
996	2.26	-1.12	-0.41
998	2.35	-1.11	-0.40
1000	2.32	-1.09	-0.41
1002	2.31	-1.11	-0.40
1004	2.32	-1.10	-0.41
1006	2.32	-1.10	-0.42
1008	2.33	-1.08	-0.42
1010	2.34	-1.06	-0.38
1012	2.37	-1.07	-0.39
1014	2.34	-1.06	-0.37
1016	2.33	-1.07	-0.43
1018	2.36	-1.08	-0.39

1020	2.37	-1.07	-0.41
1022	2.31	-1.05	-0.40
1024	2.36	-1.08	-0.38
1026	2.36	-1.04	-0.39
1028	2.33	-1.06	-0.40
1030	2.38	-1.07	-0.42
1032	2.35	-1.06	-0.40
1034	2.34	-1.07	-0.44
1036	2.35	-1.06	-0.42
1038	2.31	-1.04	-0.41
1040	2.35	-1.04	-0.41
1042	2.32	-1.06	-0.43
1044	2.37	-1.06	-0.42
1046	2.38	-1.04	-0.43
1048	2.30	-1.05	-0.43
1050	2.35	-1.04	-0.42
1052	2.40	-1.04	-0.42
1054	2.35	-1.02	-0.43
1056	2.36	-1.04	-0.44
1058	2.37	-1.01	-0.42
1060	2.35	-1.02	-0.41
1062	2.36	-1.03	-0.42
1064	2.36	-0.99	-0.41
1066	2.39	-0.98	-0.41
1068	2.38	-1.02	-0.40
1070	2.36	-1.00	-0.43
1072	2.40	-0.98	-0.39
1074	2.39	-0.98	-0.41
1076	2.38	-1.00	-0.43
1078	2.41	-1.00	-0.41
1080	2.39	-0.98	-0.44
1082	2.41	-1.00	-0.43
1084	2.39	-0.98	-0.42
1086	2.40	-0.98	-0.41
1088	2.40	-1.00	-0.43
1090	2.38	-1.00	-0.44
1092	2.39	-0.98	-0.42
1094	2.40	-0.98	-0.44
1096	2.40	-0.99	-0.44
1098	2.37	-0.95	-0.43
1100	2.41	-0.98	-0.45
1102	2.42	-0.95	-0.42
1104	2.41	-0.95	-0.44
1106	2.39	-0.95	-0.44
1108	2.39	-0.97	-0.44
1110	2.40	-0.91	-0.41
1112	2.42	-0.96	-0.44

1114	2.42	-0.96	-0.44
1116	2.45	-0.94	-0.42
1118	2.43	-0.94	-0.41
1120	2.46	-0.93	-0.43
1122	2.42	-0.94	-0.42
1124	2.43	-0.92	-0.41
1126	2.43	-0.92	-0.42
1128	2.43	-0.92	-0.41
1130	2.45	-0.91	-0.41
1132	2.48	-0.90	-0.41
1134	2.44	-0.89	-0.43
1136	2.46	-0.90	-0.40
1138	2.44	-0.89	-0.40
1140	2.42	-0.90	-0.44
1142	2.44	-0.90	-0.43
1144	2.46	-0.89	-0.40
1146	2.43	-0.90	-0.43
1148	2.46	-0.90	-0.41
1150	2.42	-0.90	-0.41
1152	2.42	-0.91	-0.46
1154	2.45	-0.92	-0.44
1156	2.42	-0.90	-0.43
1158	2.43	-0.89	-0.43
1160	2.40	-0.90	-0.43
1162	2.44	-0.89	-0.42
1164	2.46	-0.88	-0.43
1166	2.45	-0.88	-0.43
1168	2.45	-0.85	-0.44
1170	2.50	-0.87	-0.43
1172	2.48	-0.87	-0.43
1174	2.49	-0.87	-0.43
1176	2.46	-0.85	-0.41
1178	2.49	-0.84	-0.43
1180	2.49	-0.86	-0.44
1182	2.49	-0.81	-0.45
1184	2.50	-0.84	-0.43
1186	2.47	-0.83	-0.44
1188	2.48	-0.82	-0.43
1190	2.49	-0.81	-0.43
1192	2.45	-0.83	-0.46
1194	2.49	-0.83	-0.44
1196	2.49	-0.82	-0.47
1198	2.46	-0.85	-0.45
1200	2.49	-0.84	-0.44
1202	2.50	-0.85	-0.43
1204	2.50	-0.83	-0.45
1206	2.47	-0.83	-0.43

1208	2.48	-0.80	-0.44
1210	2.49	-0.79	-0.42
1212	2.48	-0.82	-0.41
1214	2.50	-0.80	-0.43
1216	2.52	-0.81	-0.42
1218	2.50	-0.79	-0.41
1220	2.52	-0.80	-0.44
1222	2.50	-0.78	-0.44
1224	2.53	-0.78	-0.45
1226	2.47	-0.79	-0.45
1228	2.52	-0.79	-0.42
1230	2.48	-0.80	-0.44
1232	2.49	-0.81	-0.45
1234	2.50	-0.76	-0.44
1236	2.49	-0.80	-0.43
1238	2.50	-0.75	-0.43
1240	2.48	-0.78	-0.44
1242	2.54	-0.76	-0.43
1244	2.53	-0.75	-0.42
1246	2.50	-0.73	-0.42
1248	2.49	-0.76	-0.42
1250	2.54	-0.76	-0.43
1252	2.52	-0.76	-0.43
1254	2.53	-0.76	-0.44
1256	2.50	-0.77	-0.44
1258	2.48	-0.76	-0.46
1260	2.52	-0.76	-0.43
1262	2.52	-0.77	-0.44
1264	2.52	-0.74	-0.45
1266	2.49	-0.74	-0.43
1268	2.51	-0.75	-0.44
1270	2.53	-0.74	-0.43
1272	2.53	-0.75	-0.44
1274	2.53	-0.72	-0.45
1276	2.56	-0.73	-0.40
1278	2.57	-0.73	-0.40
1280	2.53	-0.75	-0.42
1282	2.57	-0.71	-0.41
1284	2.58	-0.69	-0.42
1286	2.54	-0.71	-0.43
1288	2.55	-0.70	-0.45
1290	2.55	-0.70	-0.42
1292	2.54	-0.70	-0.43
1294	2.58	-0.71	-0.44
1296	2.54	-0.69	-0.45
1298	2.54	-0.68	-0.43
1300	2.56	-0.67	-0.41

1302	2.57	-0.71	-0.41
1304	2.56	-0.69	-0.45
1306	2.57	-0.67	-0.41
1308	2.55	-0.70	-0.41
1310	2.53	-0.69	-0.43
1312	2.55	-0.69	-0.43
1314	2.58	-0.66	-0.43
1316	2.58	-0.68	-0.44
1318	2.60	-0.70	-0.42
1320	2.55	-0.66	-0.41
1322	2.57	-0.67	-0.45
1324	2.60	-0.66	-0.42
1326	2.60	-0.65	-0.43
1328	2.59	-0.66	-0.45
1330	2.57	-0.67	-0.42
1332	2.55	-0.67	-0.42
1334	2.57	-0.64	-0.42
1336	2.58	-0.66	-0.40
1338	2.57	-0.64	-0.43
1340	2.58	-0.64	-0.41
1342	2.56	-0.66	-0.43
1344	2.60	-0.65	-0.43
1346	2.59	-0.65	-0.44
1348	2.58	-0.66	-0.43
1350	2.60	-0.65	-0.42
1352	2.58	-0.66	-0.42
1354	2.58	-0.63	-0.43
1356	2.56	-0.62	-0.45
1358	2.58	-0.62	-0.45
1360	2.60	-0.64	-0.43
1362	2.56	-0.62	-0.44
1364	2.58	-0.64	-0.44
1366	2.57	-0.62	-0.44
1368	2.57	-0.61	-0.42
1370	2.57	-0.62	-0.43
1372	2.61	-0.61	-0.44
1374	2.62	-0.59	-0.43
1376	2.60	-0.63	-0.45
1378	2.58	-0.63	-0.45
1380	2.56	-0.61	-0.45
1382	2.57	-0.63	-0.46
1384	2.60	-0.61	-0.42
1386	2.59	-0.61	-0.43
1388	2.58	-0.59	-0.46
1390	2.59	-0.60	-0.43
1392	2.59	-0.60	-0.42
1394	2.61	-0.59	-0.45

1396	2.60	-0.59	-0.43
1398	2.58	-0.57	-0.44
1400	2.60	-0.59	-0.44
1402	2.62	-0.58	-0.43
1404	2.58	-0.58	-0.40
1406	2.61	-0.57	-0.45
1408	2.59	-0.59	-0.40
1410	2.60	-0.56	-0.44
1412	2.60	-0.57	-0.45
1414	2.65	-0.58	-0.41
1416	2.63	-0.59	-0.46
1418	2.61	-0.57	-0.46
1420	2.62	-0.54	-0.41
1422	2.64	-0.57	-0.41
1424	2.62	-0.56	-0.38
1426	2.60	-0.56	-0.41
1428	2.60	-0.54	-0.42
1430	2.64	-0.55	-0.41
1432	2.65	-0.51	-0.39
1434	2.62	-0.54	-0.44
1436	2.63	-0.54	-0.45
1438	2.65	-0.53	-0.42
1440	2.61	-0.54	-0.44
1442	2.65	-0.56	-0.44
1444	2.64	-0.51	-0.42
1446	2.63	-0.54	-0.42
1448	2.64	-0.51	-0.41
1450	2.63	-0.53	-0.42
1452	2.63	-0.53	-0.38
1454	2.62	-0.53	-0.43
1456	2.65	-0.52	-0.43
1458	2.66	-0.51	-0.40
1460	2.64	-0.53	-0.44
1462	2.65	-0.51	-0.39
1464	2.64	-0.53	-0.42
1466	2.66	-0.51	-0.40
1468	2.65	-0.49	-0.41
1470	2.65	-0.50	-0.40
1472	2.66	-0.52	-0.41
1474	2.60	-0.51	-0.40
1476	2.66	-0.48	-0.42
1478	2.62	-0.48	-0.41
1480	2.64	-0.47	-0.40
1482	2.65	-0.49	-0.41
1484	2.65	-0.51	-0.40
1486	2.68	-0.49	-0.42
1488	2.62	-0.49	-0.40

1490	2.61	-0.48	-0.43
1492	2.65	-0.46	-0.38
1494	2.65	-0.47	-0.43
1496	2.67	-0.48	-0.39
1498	2.65	-0.48	-0.39
1500	2.67	-0.47	-0.42
1502	2.66	-0.47	-0.39
1504	2.64	-0.45	-0.39
1506	2.63	-0.47	-0.41
1508	2.68	-0.47	-0.41
1510	2.63	-0.47	-0.36
1512	2.64	-0.45	-0.39
1514	2.64	-0.46	-0.39
1516	2.67	-0.47	-0.43
1518	2.64	-0.47	-0.41
1520	2.66	-0.44	-0.42
1522	2.64	-0.45	-0.40
1524	2.67	-0.45	-0.41
1526	2.66	-0.46	-0.42
1528	2.64	-0.47	-0.41
1530	2.68	-0.44	-0.38
1532	2.66	-0.44	-0.41
1534	2.66	-0.46	-0.40
1536	2.68	-0.43	-0.41
1538	2.68	-0.45	-0.42
1540	2.67	-0.43	-0.39
1542	2.69	-0.42	-0.39
1544	2.66	-0.45	-0.38
1546	2.64	-0.45	-0.39
1548	2.65	-0.44	-0.39
1550	2.64	-0.41	-0.36
1552	2.68	-0.42	-0.37
1554	2.68	-0.43	-0.38
1556	2.69	-0.42	-0.38
1558	2.65	-0.43	-0.38
1560	2.66	-0.43	-0.38
1562	2.69	-0.42	-0.40
1564	2.68	-0.41	-0.37
1566	2.67	-0.42	-0.39
1568	2.67	-0.40	-0.36
1570	2.66	-0.41	-0.41
1572	2.65	-0.41	-0.39
1574	2.67	-0.41	-0.40
1576	2.65	-0.40	-0.39
1578	2.69	-0.38	-0.39
1580	2.69	-0.41	-0.39
1582	2.69	-0.39	-0.39

1584	2.66	-0.41	-0.38
1586	2.68	-0.39	-0.39
1588	2.71	-0.41	-0.39
1590	2.68	-0.38	-0.39
1592	2.70	-0.40	-0.39
1594	2.69	-0.36	-0.40
1596	2.65	-0.37	-0.36
1598	2.67	-0.38	-0.38
1600	2.68	-0.37	-0.40
1602	2.70	-0.37	-0.38
1604	2.71	-0.35	-0.40
1606	2.67	-0.38	-0.40
1608	2.70	-0.36	-0.40
1610	2.68	-0.36	-0.39
1612	2.65	-0.38	-0.39
1614	2.69	-0.36	-0.40
1616	2.72	-0.33	-0.39
1618	2.69	-0.35	-0.40
1620	2.73	-0.37	-0.39
1622	2.70	-0.36	-0.39
1624	2.69	-0.36	-0.37
1626	2.69	-0.38	-0.37
1628	2.69	-0.35	-0.38
1630	2.69	-0.36	-0.37
1632	2.68	-0.38	-0.40
1634	2.65	-0.35	-0.39
1636	2.70	-0.35	-0.39
1638	2.68	-0.37	-0.41
1640	2.68	-0.37	-0.37
1642	2.69	-0.33	-0.38
1644	2.69	-0.34	-0.39
1646	2.70	-0.36	-0.37
1648	2.70	-0.35	-0.37
1650	2.71	-0.36	-0.39
1652	2.72	-0.34	-0.35
1654	2.69	-0.33	-0.38
1656	2.67	-0.33	-0.39
1658	2.71	-0.30	-0.36
1660	2.70	-0.32	-0.37
1662	2.71	-0.33	-0.34
1664	2.72	-0.31	-0.34
1666	2.72	-0.30	-0.35
1668	2.70	-0.33	-0.37
1670	2.73	-0.32	-0.34
1672	2.72	-0.33	-0.33
1674	2.72	-0.32	-0.35
1676	2.70	-0.29	-0.37

1678	2.71	-0.30	-0.37
1680	2.73	-0.31	-0.36
1682	2.68	-0.29	-0.36
1684	2.68	-0.32	-0.35
1686	2.69	-0.29	-0.35
1688	2.71	-0.31	-0.36
1690	2.68	-0.31	-0.36
1692	2.73	-0.31	-0.33
1694	2.71	-0.30	-0.35
1696	2.68	-0.30	-0.37
1698	2.71	-0.29	-0.37
1700	2.74	-0.29	-0.35
1702	2.71	-0.30	-0.37
1704	2.72	-0.28	-0.35
1706	2.72	-0.28	-0.35
1708	2.70	-0.29	-0.35
1710	2.72	-0.28	-0.32
1712	2.73	-0.29	-0.36
1714	2.73	-0.27	-0.33
1716	2.74	-0.28	-0.36
1718	2.71	-0.27	-0.31
1720	2.76	-0.25	-0.32
1722	2.72	-0.27	-0.30
1724	2.75	-0.29	-0.36
1726	2.71	-0.26	-0.33
1728	2.74	-0.29	-0.36
1730	2.71	-0.27	-0.36
1732	2.71	-0.28	-0.36
1734	2.70	-0.27	-0.37
1736	2.69	-0.25	-0.36
1738	2.71	-0.25	-0.36
1740	2.74	-0.24	-0.35
1742	2.68	-0.25	-0.34
1744	2.71	-0.25	-0.34
1746	2.71	-0.23	-0.31
1748	2.75	-0.22	-0.30
1750	2.74	-0.22	-0.34
1752	2.71	-0.23	-0.30
1754	2.76	-0.23	-0.33
1756	2.76	-0.21	-0.33
1758	2.73	-0.23	-0.33
1760	2.72	-0.22	-0.35
1762	2.75	-0.23	-0.34
1764	2.74	-0.22	-0.34
1766	2.72	-0.23	-0.33
1768	2.74	-0.21	-0.33
1770	2.77	-0.22	-0.32

1772	2.71	-0.22	-0.33
1774	2.74	-0.20	-0.35
1776	2.74	-0.21	-0.33
1778	2.74	-0.19	-0.35
1780	2.74	-0.21	-0.35
1782	2.74	-0.20	-0.35
1784	2.74	-0.18	-0.33
1786	2.77	-0.22	-0.34
1788	2.76	-0.19	-0.35
1790	2.75	-0.21	-0.36
1792	2.75	-0.20	-0.32
1794	2.75	-0.22	-0.39
1796	2.72	-0.21	-0.35
1798	2.76	-0.20	-0.34
1800	2.73	-0.21	-0.33
1802	2.72	-0.21	-0.38
1804	2.73	-0.19	-0.35
1806	2.74	-0.19	-0.33
1808	2.75	-0.19	-0.33
1810	2.71	-0.20	-0.36
1812	2.70	-0.20	-0.34
1814	2.75	-0.17	-0.36
1816	2.73	-0.17	-0.36
1818	2.69	-0.18	-0.36
1820	2.71	-0.19	-0.33
1822	2.71	-0.18	-0.36
1824	2.70	-0.18	-0.35
1826	2.72	-0.19	-0.33
1828	2.76	-0.17	-0.33
1830	2.72	-0.18	-0.32
1832	2.74	-0.18	-0.35
1834	2.72	-0.18	-0.35
1836	2.73	-0.15	-0.34
1838	2.70	-0.18	-0.33
1840	2.73	-0.18	-0.32
1842	2.74	-0.17	-0.33
1844	2.73	-0.17	-0.34
1846	2.75	-0.13	-0.36
1848	2.76	-0.15	-0.35
1850	2.73	-0.14	-0.33
1852	2.76	-0.12	-0.31
1854	2.74	-0.15	-0.31
1856	2.75	-0.13	-0.32
1858	2.78	-0.12	-0.32
1860	2.78	-0.12	-0.32
1862	2.77	-0.14	-0.34
1864	2.75	-0.13	-0.30

1866	2.76	-0.08	-0.33
1868	2.80	-0.13	-0.34
1870	2.75	-0.12	-0.31
1872	2.77	-0.12	-0.31
1874	2.79	-0.11	-0.32
1876	2.78	-0.12	-0.32
1878	2.77	-0.11	-0.31
1880	2.76	-0.10	-0.30
1882	2.74	-0.12	-0.33
1884	2.74	-0.13	-0.33
1886	2.73	-0.11	-0.32
1888	2.80	-0.11	-0.32
1890	2.77	-0.09	-0.29
1892	2.77	-0.13	-0.31
1894	2.79	-0.10	-0.32
1896	2.76	-0.09	-0.30
1898	2.78	-0.11	-0.31
1900	2.75	-0.11	-0.31
1902	2.78	-0.11	-0.30
1904	2.74	-0.11	-0.33
1906	2.72	-0.13	-0.32
1908	2.75	-0.11	-0.34
1910	2.76	-0.09	-0.32
1912	2.76	-0.12	-0.32
1914	2.76	-0.11	-0.33
1916	2.74	-0.10	-0.32
1918	2.75	-0.09	-0.32
1920	2.78	-0.05	-0.33
1922	2.77	-0.07	-0.31
1924	2.77	-0.06	-0.31
1926	2.77	-0.08	-0.33
1928	2.74	-0.08	-0.31
1930	2.73	-0.09	-0.32
1932	2.78	-0.09	-0.31
1934	2.78	-0.09	-0.36
1936	2.75	-0.09	-0.33
1938	2.74	-0.08	-0.31
1940	2.75	-0.06	-0.34
1942	2.74	-0.06	-0.31
1944	2.78	-0.08	-0.34
1946	2.73	-0.06	-0.32
1948	2.77	-0.06	-0.33
1950	2.79	-0.04	-0.29
1952	2.79	-0.05	-0.34
1954	2.77	-0.07	-0.32
1956	2.81	-0.04	-0.28
1958	2.78	-0.04	-0.32

1960	2.81	-0.05	-0.30
1962	2.79	-0.04	-0.29
1964	2.80	-0.03	-0.31
1966	2.74	-0.03	-0.29
1968	2.75	-0.05	-0.34
1970	2.75	-0.07	-0.32
1972	2.78	-0.05	-0.31
1974	2.75	-0.04	-0.31
1976	2.74	-0.06	-0.31
1978	2.74	-0.04	-0.33
1980	2.77	-0.01	-0.31
1982	2.73	-0.03	-0.32
1984	2.76	-0.05	-0.34
1986	2.73	-0.05	-0.31
1988	2.79	-0.02	-0.32
1990	2.77	-0.01	-0.32
1992	2.73	-0.04	-0.34
1994	2.76	-0.04	-0.30
1996	2.78	-0.01	-0.32
1998	2.77	-0.02	-0.33
2000	2.74	-0.01	-0.33
2002	2.74	-0.02	-0.32
2004	2.77	-0.02	-0.31
2006	2.74	-0.03	-0.34
2008	2.75	-0.00	-0.33
2010	2.75	0.00	-0.31
2012	2.76	0.00	-0.32
2014	2.74	-0.01	-0.34
2016	2.77	0.01	-0.33
2018	2.76	0.02	-0.33
2020	2.78	-0.00	-0.32
2022	2.77	0.01	-0.32
2024	2.77	0.01	-0.32
2026	2.76	0.02	-0.33
2028	2.77	0.03	-0.31
2030	2.78	0.01	-0.29
2032	2.81	0.01	-0.28
2034	2.76	0.01	-0.29
2036	2.81	0.01	-0.27
2038	2.77	0.02	-0.30
2040	2.78	-0.01	-0.29
2042	2.80	0.02	-0.28
2044	2.78	0.03	-0.29
2046	2.79	0.02	-0.28
2048	2.79	0.02	-0.28
2050	2.77	0.04	-0.31
2052	2.80	0.01	-0.30

2054	2.79	0.05	-0.28
2056	2.80	0.05	-0.29
2058	2.82	0.04	-0.28
2060	2.80	0.07	-0.30
2062	2.80	0.04	-0.27
2064	2.79	0.02	-0.31
2066	2.78	0.03	-0.29
2068	2.79	0.05	-0.26
2070	2.79	0.06	-0.29
2072	2.77	0.04	-0.29
2074	2.81	0.04	-0.29
2076	2.79	0.05	-0.30
2078	2.71	0.05	-0.29
2080	2.79	0.03	-0.30
2082	2.76	0.07	-0.30
2084	2.77	0.05	-0.30
2086	2.79	0.05	-0.29
2088	2.81	0.06	-0.29
2090	2.76	0.08	-0.31
2092	2.76	0.07	-0.29
2094	2.81	0.07	-0.29
2096	2.81	0.08	-0.26
2098	2.79	0.06	-0.28
2100	2.78	0.07	-0.30
2102	2.79	0.06	-0.28
2104	2.76	0.06	-0.31
2106	2.76	0.07	-0.31
2108	2.77	0.05	-0.26
2110	2.79	0.07	-0.30
2112	2.77	0.08	-0.28
2114	2.84	0.09	-0.28
2116	2.79	0.07	-0.26
2118	2.78	0.08	-0.30
2120	2.79	0.10	-0.27
2122	2.78	0.09	-0.29
2124	2.76	0.07	-0.29
2126	2.75	0.08	-0.30
2128	2.79	0.08	-0.28
2130	2.77	0.07	-0.30
2132	2.77	0.11	-0.29

**STRADDLE PACKER TESTING FIELD INFORMATION**

WELL:	MW-85	INTERVAL:	165	180
PROJECT:	GES - Bishop Tube	CLIENT:	GES	
PERSONNEL:	RC, DD	DATE:	4/2/2026	W.O.#: FS1604

SETTING DEPTHS		DATA COLLECTION CALIBRATION					Initial Pipe Tally:		20
Pump Location:	157.85	Configuration Filename: x							
Upper Packer - Top:	161.7	Current V = static water level (ft)					Pipes That Remain on Truck: 13		
Upper Packer - Bottom:	165	Open Air V = transducer depth (ft)							
Water Intake:	177.9	CHANNEL 1 (Top)		CHANNEL 2 (Middle)		CHANNEL 3 (Lower)			
Lower Packer - Top:	180	8.37997E-03	V= 2.40	1.11874E-02	V= 2.40	1.12456E-02	V= 2.40		
Lower Packer - Bottom:	183.3	4.7742E-03	V= 155.85	5.2166E-03	V= 173.00	5.1684E-03	V= 185.10		
Assembly Bottom:	185.1	Additional Calibration Notes							
PACKER INFLATION (psi)									
TOP	BOTTOM								
Minimum Required	Minimum Required								
219	225								
Actual PSI Used									
240	250	WATER LEVELS (ft)							
TEST SEQUENCE		Open Hole Static Water Level:					2.40		
Begin Logging	13:07								
Start Inflation	13:09								
Begin Pumping	13:49								
End Pumping	14:22								
End Logging	16:13								
PUMPING RECORD									
Pumping Interval:	165	180							
Pumping Rate:	1 gal/min								
Pumping Duration:	0:33								
Maximum Drawdown:	124.83								
Zone Volume	22								
Volume Purged	~25gal								
Nature of Discharge:	Clear								
Recovery Time	1:51								
Percentage Recovery	11.00%								
Miscellaneous Notes									
POST-INFLATION numbers recorded prior to lowering the slug. Interconnection seen between middle and bottom zones while pumping. Bottom zone at 2:19 PM showed a rapid drawdown of a few feet and then leveled out. After pump was turned off at 2:22 PM, initial surge of water from the poly returned to the zone from 124' to 119'. Recovery numbers input prior to turning pump on to sample at 4:10 PM.									
SLUG TEST SEQUENCE									
		TIME		WATER LEVEL (ft)					
Start		13:26		-0.30					
Peak		13:27		-3.04					
Recovery		13:32		-0.30					
RATE ADJUSTMENTS									
Started pump at 1:48 PM at 1.0gpm. Due to drawdown overtime, rate naturally slowed to 0.35gpm at 2:20 PM. Pump turned off at 2:22 PM due to dewatering.									
SUMMARY									
~25gal of water was purged from the zone during the 33 minute pumping interval. There was an 6.67% recovery (accounting for the 5' of recovery from the water in the poly returning to the zone after turning off the pump) over the 111 minutes it was observed.									

Packer Dimensions	
SPREAD	15 ft
A- Top of Packer to Top of Bladder	3.85 ft
B- Length of Bladder	3.3 ft
C- Bottom of Bladder to Bottom of Packer	3.1 ft
D- Pipe Spread	5.3 ft
Length of Slotted Piece and L-Zap	4.5 ft
E- Top of Packer to Top of Bladder	2.1 ft
F- Length of Bladder	3.3 ft
H- Bottom of Bladder to Bottom of Packer	1.8 ft
Total Length of Top Packer	10.25 ft
Total Length of Bottom Packer	7.2 ft
Total Assembly Length	27.25 ft

Transducer Locations	
Top	2 (Distance Above Upper Packer Top)
Middle	8 (Distance Below Upper Packer Bottom)
Bottom	0 (If Different from Bottom of Assembly)

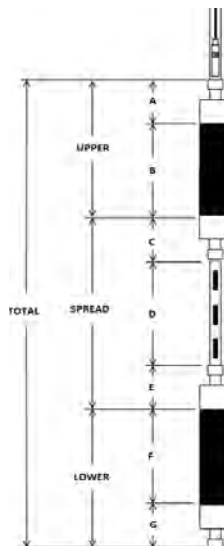
Important Dimensions	
Pipe Lengths	21 ft
Pipe diameter	2.00 in
Upper packer diameter	3.5 in
Lower packer diameter	3.5 in
Well diameter	6 in

Inflation Numbers	
Stretch PSI-Upper	125 PSI
Stretch PSI-Lower	125 PSI
Top Packer Inflation	219 PSI
Bottom Packer Inflation	225 PSI

Pipe Tally	
Stickup	4.2 ft
Point A	157.9 ft
Total Length of Pipe	162.0 ft
No. of Full-Length Pipes	7 pipes
Feet of Odds	15.0 ft

Pump Time	
Number of Volumes To Purge	3 Volumes
Zone Volume	22 gallons
GPM	1.0 gal/min
Run time	66 minutes

Transducer Serial Number	
Top	
Middle	
Bottom	



		PACKER DIAMETER					
		1.8	2.7	3.5	4.0	4.5	5.5
BOREHOLE DIAMETER	2.25	15					
	2.5	25					
	3	40	25				
	3.5	80	35				
	3.75		44				
	4		50	25			
	4.5		90	40	25		
	5		130	50	30		
	5.5			75	37.5	25	
	6			125	45	30	20
	6.25			300	55	33	21
	6.5				65	35	23
	7				75	44	25
	7.5				120	59	28
	8					73	30
	8.5					116	45
	9						40
	9.5						60
	10						80
	10.5						100
							100

Column1	Column2	Column3	Column4
DASYLab 2016 - 2016			
Worksheet name: MW-85 Zone 5 (165-180)			
Recording date : 4/2/2026		1:07:54 PM	
Block length : 1			
Delta : 2 sec.			
Number of channels : 3			
Measurement time[s]	Upper Zone [ft]	Pumping Zone [ft]	Lower Zone [ft]
1	2.61	2.60	2.65
3	2.63	2.60	2.64
5	2.63	2.63	2.65
7	2.62	2.61	2.67
9	2.62	2.63	2.66
11	2.64	2.62	2.63
13	2.63	2.62	2.69
15	2.64	2.63	2.67
17	2.61	2.62	2.67
19	2.67	2.61	2.69
21	2.66	2.64	2.68
23	2.64	2.61	2.66
25	2.65	2.64	2.66
27	2.65	2.60	2.68
29	2.62	2.64	2.67
31	2.65	2.66	2.67
33	2.64	2.64	2.69
35	2.68	2.64	2.68
37	2.66	2.65	2.68
39	2.67	2.64	2.69
41	2.67	2.65	2.66
43	2.67	2.67	2.66
45	2.68	2.62	2.69
47	2.65	2.63	2.69
49	2.65	2.63	2.66
51	2.64	2.64	2.69
53	2.61	2.65	2.72
55	2.64	2.65	2.72
57	2.64	2.64	2.67
59	2.64	2.64	2.69
61	2.65	2.65	2.73
63	2.64	2.64	2.71
65	2.67	2.65	2.71
67	2.64	2.65	2.71
69	2.65	2.67	2.73
71	2.66	2.68	2.71
73	2.66	2.70	2.72
75	2.68	2.67	2.72
77	2.67	2.66	2.72

79	2.67	2.65	2.74
81	2.68	2.70	2.72
83	2.67	2.67	2.69
85	2.71	2.70	2.74
87	2.71	2.69	2.71
89	2.66	2.68	2.70
91	2.72	2.67	2.73
93	2.65	2.67	2.73
95	2.66	2.67	2.69
97	2.64	2.59	4.68
99	2.53	2.62	2.62
101	2.56	2.56	2.61
103	2.51	2.51	2.54
105	2.43	2.48	2.50
107	2.42	2.39	2.41
109	2.35	2.36	2.37
111	2.31	2.31	2.32
113	2.26	2.25	2.26
115	2.15	2.18	2.17
117	2.12	2.14	2.14
119	2.08	2.09	2.10
121	2.03	2.02	2.05
123	1.99	1.97	1.98
125	1.94	1.97	1.94
127	1.93	1.91	1.90
129	1.89	1.88	1.91
131	1.86	1.87	1.85
133	1.86	1.86	1.83
135	1.83	1.83	1.84
137	1.83	1.81	1.83
139	1.82	1.79	1.79
141	1.80	1.79	1.77
143	1.77	1.73	1.74
145	1.79	1.72	1.70
147	1.74	1.68	1.66
149	1.74	1.65	1.62
151	1.75	1.62	1.58
153	1.75	1.56	1.56
155	1.75	1.55	1.49
157	1.74	1.58	1.57
159	1.75	1.59	1.51
161	1.71	1.56	1.51
163	1.71	1.55	1.51
165	1.73	1.53	1.51
167	1.75	1.54	1.46
169	1.70	1.53	1.49
171	1.75	1.58	1.52

173	1.76	1.58	1.52
175	1.74	1.54	1.50
177	1.76	1.54	1.50
179	1.78	1.55	1.53
181	1.77	1.54	1.49
183	1.82	1.53	1.48
185	1.79	1.55	1.47
187	1.80	1.55	1.54
189	1.82	1.51	1.50
191	1.81	1.55	1.50
193	1.81	0.58	0.53
195	1.81	0.94	0.90
197	1.80	0.26	0.16
199	1.85	-0.32	-0.43
201	1.86	-0.96	-1.11
203	1.86	-1.59	-1.81
205	1.88	-2.28	-2.51
207	1.87	-2.93	-3.23
209	1.87	-3.55	-3.83
211	1.88	-3.87	-4.18
213	1.90	-4.02	-4.34
215	1.88	-3.96	-4.31
217	1.85	-4.20	-4.54
219	1.85	-4.35	-4.70
221	1.80	-4.39	-4.72
223	1.85	-4.37	-4.74
225	1.84	-4.17	-4.49
227	1.80	-4.01	-4.33
229	1.77	-3.96	-4.31
231	1.76	-4.18	-4.56
233	1.76	-4.31	-4.67
235	1.74	-4.32	-4.63
237	1.69	-4.31	-4.65
239	1.71	-4.21	-4.55
241	1.70	-4.02	-4.35
243	1.68	-3.98	-4.31
245	1.67	-3.96	-4.31
247	1.66	-4.14	-4.51
249	1.66	-4.28	-4.61
251	1.66	-4.20	-4.59
253	1.64	-3.93	-5.56
255	1.63	-3.93	-10.79
257	1.64	-4.01	-16.98
259	1.62	-4.05	-21.13
261	1.60	-3.99	-22.95
263	1.63	-4.08	-23.50
265	1.62	-4.05	-26.46

267	1.62	-4.13	-31.92
269	1.65	-4.16	-38.31
271	1.66	-3.92	-44.64
273	1.69	-4.22	-50.65
275	1.64	-3.92	-55.99
277	1.66	-4.12	-60.14
279	1.67	-4.05	-62.15
281	1.66	-4.06	-62.63
283	1.64	-4.06	-62.18
285	1.69	-4.05	-62.59
287	1.69	-4.03	-64.64
289	1.71	-4.18	-67.11
291	1.69	-4.02	-68.47
293	1.73	-4.01	-68.52
295	1.70	-4.03	-67.81
297	1.71	-4.01	-66.89
299	1.75	-4.00	-66.02
301	1.74	-4.01	-65.14
303	1.72	-4.01	-64.33
305	1.75	-3.99	-63.51
307	1.76	-3.98	-62.74
309	1.76	-3.97	-62.04
311	1.77	-3.98	-61.28
313	1.73	-3.96	-60.59
315	1.76	-3.98	-59.89
317	1.74	-3.97	-59.23
319	1.75	-3.93	-58.59
321	1.82	-3.92	-57.91
323	1.77	-3.93	-57.30
325	1.79	-3.92	-56.65
327	1.80	-3.92	-56.04
329	1.78	-3.91	-55.40
331	1.77	-3.91	-54.80
333	1.85	-3.90	-54.20
335	1.83	-3.87	-53.59
337	1.82	-3.89	-53.02
339	1.80	-3.88	-52.44
341	1.86	-3.87	-51.89
343	1.90	-4.52	-51.90
345	1.80	-3.51	-52.90
347	1.81	-3.81	-52.26
349	1.82	-3.79	-51.69
351	1.81	-3.80	-51.10
353	1.83	-3.76	-50.55
355	1.80	-3.74	-49.97
357	1.81	-3.71	-49.41
359	1.81	-3.70	-48.85

361	1.80	-3.70	-48.33
363	1.83	-3.68	-47.80
365	1.83	-3.64	-47.25
367	1.84	-3.61	-46.73
369	1.83	-3.60	-46.23
371	1.86	-3.60	-45.73
373	1.85	-3.58	-45.21
375	1.84	-3.56	-44.74
377	1.85	-3.53	-44.24
379	1.85	-3.51	-43.75
381	1.81	-3.49	-43.30
383	1.87	-3.48	-42.80
385	1.88	-3.44	-42.34
387	1.90	-3.44	-41.87
389	1.90	-3.42	-41.43
391	1.93	-3.39	-40.95
393	1.95	-3.38	-40.49
395	1.91	-3.37	-40.07
397	1.93	-3.34	-39.62
399	1.89	-3.37	-39.18
401	1.93	-3.33	-38.73
403	1.91	-3.31	-38.34
405	1.91	-3.30	-37.89
407	1.96	-3.28	-37.47
409	1.90	-3.28	-37.08
411	1.92	-3.26	-36.64
413	1.95	-3.26	-36.26
415	1.94	-3.22	-35.84
417	1.93	-3.24	-35.43
419	1.94	-3.23	-35.04
421	1.93	-3.21	-34.65
423	1.94	-3.18	-34.26
425	1.96	-3.19	-33.92
427	1.97	-3.16	-33.54
429	1.96	-3.16	-33.14
431	1.94	-3.17	-32.82
433	1.96	-3.14	-32.44
435	1.97	-3.11	-32.08
437	1.97	-3.10	-31.71
439	1.98	-3.09	-31.34
441	1.97	-3.06	-31.03
443	1.98	-3.06	-30.67
445	1.97	-3.02	-30.32
447	1.98	-3.04	-29.98
449	2.06	-3.01	-29.61
451	2.02	-2.98	-29.29
453	1.99	-2.99	-28.96

455	2.03	-2.98	-28.66
457	2.01	-2.95	-28.33
459	2.02	-2.93	-28.01
461	2.03	-2.93	-27.69
463	2.04	-2.91	-27.42
465	2.03	-2.88	-27.07
467	2.06	-2.86	-26.80
469	2.06	-2.84	-26.50
471	2.01	-2.85	-26.19
473	2.05	-2.85	-25.94
475	2.08	-2.84	-25.62
477	2.04	-2.81	-25.33
479	2.03	-2.81	-25.06
481	2.05	-2.80	-24.76
483	2.03	-2.77	-24.52
485	2.08	-2.78	-24.23
487	2.04	-2.77	-23.98
489	2.08	-2.76	-23.70
491	2.05	-2.74	-23.42
493	2.03	-2.72	-23.20
495	2.05	-2.73	-22.93
497	2.05	-2.69	-22.65
499	2.07	-2.67	-22.39
501	2.06	-2.67	-22.17
503	2.07	-2.68	-21.90
505	2.09	-2.65	-21.65
507	2.12	-2.63	-21.42
509	2.05	-2.61	-21.17
511	2.06	-2.62	-20.94
513	2.10	-2.62	-20.71
515	2.11	-2.60	-20.47
517	2.11	-2.57	-20.28
519	2.07	-2.59	-20.01
521	2.11	-2.56	-19.81
523	2.15	-2.52	-19.58
525	2.14	-2.51	-19.39
527	2.14	-2.53	-19.15
529	2.09	-2.53	-18.94
531	2.15	-2.48	-18.79
533	2.14	-2.48	-18.55
535	2.16	-2.48	-18.32
537	2.12	-2.45	-18.14
539	2.14	-2.45	-17.98
541	2.14	-2.42	-17.77
543	2.12	-2.41	-17.50
545	2.13	-2.41	-17.33
547	2.15	-2.39	-17.17

549	2.16	-2.38	-16.99
551	2.17	-2.35	-16.78
553	2.15	-2.36	-16.59
555	2.18	-2.35	-16.42
557	2.18	-2.34	-16.26
559	2.18	-2.31	-16.06
561	2.19	-2.32	-15.87
563	2.17	-2.30	-15.69
565	2.20	-2.29	-15.53
567	2.21	-2.29	-15.36
569	2.21	-2.29	-15.18
571	2.20	-2.27	-15.00
573	2.19	-2.27	-14.83
575	2.20	-2.25	-14.70
577	2.24	-2.21	-14.53
579	2.19	-2.22	-14.42
581	2.18	-2.23	-14.25
583	2.22	-2.21	-14.07
585	2.22	-2.19	-13.92
587	2.20	-2.18	-13.80
589	2.19	-2.17	-13.64
591	2.20	-2.17	-13.48
593	2.20	-2.18	-13.36
595	2.19	-2.17	-13.21
597	2.19	-2.14	-13.09
599	2.20	-2.12	-12.91
601	2.20	-2.14	-12.78
603	2.18	-2.12	-12.65
605	2.23	-2.11	-12.52
607	2.20	-2.07	-12.37
609	2.21	-2.08	-12.26
611	2.22	-2.06	-12.09
613	2.22	-2.04	-11.95
615	2.22	-2.04	-11.84
617	2.24	-2.03	-11.70
619	2.23	-2.03	-11.60
621	2.22	-2.02	-11.48
623	2.23	-2.02	-11.32
625	2.26	-2.00	-11.21
627	2.21	-2.01	-11.13
629	2.23	-1.99	-11.00
631	2.24	-1.97	-10.89
633	2.26	-2.00	-10.73
635	2.22	-1.95	-10.64
637	2.29	-1.94	-10.49
639	2.27	-1.95	-10.40
641	2.23	-1.91	-10.31

643	2.25	-1.90	-10.16
645	2.28	-1.91	-10.08
647	2.26	-1.90	-9.98
649	2.27	-1.93	-9.89
651	2.25	-1.89	-9.80
653	2.24	-1.89	-9.68
655	2.26	-1.84	-9.60
657	2.26	-1.85	-9.49
659	2.28	-1.83	-9.36
661	2.27	-1.82	-9.26
663	2.26	-1.81	-9.21
665	2.27	-1.82	-9.11
667	2.29	-1.80	-8.97
669	2.30	-1.77	-8.89
671	2.29	-1.78	-8.85
673	2.29	-1.77	-8.73
675	2.27	-1.76	-8.67
677	2.26	-1.78	-8.58
679	2.27	-1.76	-8.45
681	2.25	-1.76	-8.34
683	2.31	-1.76	-8.31
685	2.32	-1.71	-8.19
687	2.31	-1.68	-8.10
689	2.31	-1.71	-8.00
691	2.30	-1.69	-7.97
693	2.32	-1.68	-7.86
695	2.29	-1.72	-7.78
697	2.33	-1.67	-7.75
699	2.32	-1.69	-7.63
701	2.30	-1.66	-7.57
703	2.29	-1.66	-7.49
705	2.34	-1.65	-7.37
707	2.32	-1.62	-7.30
709	2.33	-1.61	-7.22
711	2.37	-1.60	-7.17
713	2.32	-1.61	-7.10
715	2.33	-1.59	-7.04
717	2.33	-1.63	-6.98
719	2.32	-1.58	-6.90
721	2.31	-1.56	-6.83
723	2.32	-1.57	-6.75
725	2.32	-1.55	-6.68
727	2.37	-1.54	-6.63
729	2.35	-1.52	-6.55
731	2.36	-1.52	-6.48
733	2.34	-1.51	-6.41
735	2.35	-1.51	-6.37

737	2.36	-1.51	-6.31
739	2.33	-1.50	-6.25
741	2.36	-1.48	-6.19
743	2.37	-1.47	-6.12
745	2.33	-1.48	-6.10
747	2.36	-1.48	-6.03
749	2.38	-1.45	-5.96
751	2.37	-1.46	-5.91
753	2.37	-1.45	-5.85
755	2.39	-1.41	-5.80
757	2.37	-1.43	-5.75
759	2.37	-1.42	-5.70
761	2.35	-1.43	-5.66
763	2.36	-1.42	-5.61
765	2.39	-1.39	-5.54
767	2.33	-1.39	-5.51
769	2.38	-1.38	-5.45
771	2.38	-1.35	-5.40
773	2.35	-1.37	-5.35
775	2.39	-1.36	-5.29
777	2.40	-1.35	-5.24
779	2.39	-1.33	-5.19
781	2.39	-1.34	-5.14
783	2.38	-1.34	-5.14
785	2.37	-1.32	-5.06
787	2.39	-1.32	-5.04
789	2.34	-1.30	-4.96
791	2.38	-1.31	-4.95
793	2.41	-1.32	-4.90
795	2.40	-1.29	-4.85
797	2.39	-1.27	-4.81
799	2.38	-1.25	-4.80
801	2.38	-1.27	-4.72
803	2.40	-1.23	-4.69
805	2.39	-1.25	-4.64
807	2.39	-1.23	-4.62
809	2.35	-1.22	-4.59
811	2.41	-1.24	-4.52
813	2.41	-1.19	-4.50
815	2.44	-1.19	-4.45
817	2.41	-1.18	-4.40
819	2.44	-1.20	-4.36
821	2.44	-1.17	-4.32
823	2.43	-1.17	-4.27
825	2.42	-1.16	-4.26
827	2.45	-1.16	-4.19
829	2.41	-1.16	-4.16

831	2.45	-1.13	-4.11
833	2.44	-1.12	-4.10
835	2.42	-1.14	-4.06
837	2.43	-1.12	-4.03
839	2.43	-1.12	-4.02
841	2.42	-1.12	-3.96
843	2.42	-1.12	-3.94
845	2.43	-1.12	-3.89
847	2.44	-1.09	-3.88
849	2.43	-1.10	-3.86
851	2.40	-1.08	-3.81
853	2.39	-1.07	-3.77
855	2.41	-1.09	-3.73
857	2.44	-1.07	-3.72
859	2.45	-1.08	-3.69
861	2.41	-1.05	-3.64
863	2.42	-1.05	-3.62
865	2.43	-1.04	-3.59
867	2.45	-1.03	-3.57
869	2.44	-1.02	-3.56
871	2.41	-1.04	-3.50
873	2.46	-1.01	-3.47
875	2.46	-1.00	-3.44
877	2.44	-1.00	-3.39
879	2.46	-0.98	-3.40
881	2.45	-0.98	-3.38
883	2.45	-0.97	-3.32
885	2.49	-0.95	-3.30
887	2.46	-0.94	-3.29
889	2.45	-0.94	-3.25
891	2.47	-0.91	-3.24
893	2.49	-0.93	-3.23
895	2.46	-0.92	-3.17
897	2.48	-0.88	-3.14
899	2.46	-0.89	-3.15
901	2.48	-0.91	-3.07
903	2.48	-0.87	-3.07
905	2.52	-0.89	-3.05
907	2.48	-0.90	-3.01
909	2.50	-0.87	-3.03
911	2.51	-0.84	-2.94
913	2.48	-0.86	-2.91
915	2.49	-0.86	-2.99
917	2.47	-0.84	-2.89
919	2.50	-0.82	-2.88
921	2.50	-0.82	-2.86
923	2.50	-0.82	-2.82

925	2.45	-0.81	-2.79
927	2.56	-0.81	-2.82
929	2.51	-0.81	-2.77
931	2.56	-0.81	-2.75
933	2.50	-0.79	-2.74
935	2.50	-0.78	-2.72
937	2.50	-0.79	-2.69
939	2.53	-0.75	-2.71
941	2.51	-0.76	-2.65
943	2.50	-0.74	-2.62
945	2.52	-0.76	-2.59
947	2.55	-0.74	-2.56
949	2.51	-0.74	-2.52
951	2.50	-0.71	-2.59
953	2.49	-0.73	-2.57
955	2.54	-0.71	-2.53
957	2.52	-0.70	-2.52
959	2.53	-0.69	-2.51
961	2.51	-0.70	-2.48
963	2.54	-0.71	-2.43
965	2.51	-0.70	-2.44
967	2.51	-0.69	-2.43
969	2.53	-0.69	-2.42
971	2.52	-0.66	-2.37
973	2.52	-0.67	-2.41
975	2.50	-0.66	-2.34
977	2.49	-0.68	-2.30
979	2.49	-0.67	-2.32
981	2.50	-0.64	-2.34
983	2.50	-0.63	-2.27
985	2.52	-0.65	-2.22
987	2.53	-0.64	-2.25
989	2.51	-0.62	-2.26
991	2.53	-0.61	-2.23
993	2.50	-0.62	-2.19
995	2.52	-0.60	-2.20
997	2.55	-0.58	-2.13
999	2.54	-0.58	-2.07
1001	2.54	-0.57	-2.09
1003	2.54	-0.55	-2.11
1005	2.57	-0.55	-2.05
1007	2.53	-0.55	-2.07
1009	2.53	-0.57	-2.04
1011	2.53	-0.56	-2.03
1013	2.54	-0.55	-2.03
1015	2.51	-0.54	-1.98
1017	2.51	-0.54	-1.99

1019	2.51	-0.54	-1.94
1021	2.52	-0.55	-1.96
1023	2.54	-0.52	-1.93
1025	2.56	-0.52	-1.90
1027	2.53	-0.52	-1.88
1029	2.53	-0.49	-1.92
1031	2.53	-0.48	-1.87
1033	2.56	-0.47	-1.86
1035	2.56	-0.48	-1.81
1037	2.55	-0.46	-1.81
1039	2.55	-0.45	-1.84
1041	2.53	-0.46	-1.80
1043	2.54	-0.46	-1.80
1045	2.56	-0.47	-1.77
1047	2.55	-0.47	-1.77
1049	2.54	-0.46	-1.78
1051	2.55	-0.46	-1.75
1053	2.55	-0.44	-1.74
1055	2.55	-0.43	-1.69
1057	2.55	-0.42	-1.69
1059	2.58	-0.42	-1.70
1061	2.58	-0.40	-1.67
1063	2.59	-0.40	-1.68
1065	2.58	-0.39	-1.64
1067	2.54	-0.39	-1.65
1069	2.55	-0.39	-1.62
1071	2.51	-0.42	-1.61
1073	2.54	-0.39	-1.59
1075	2.54	-0.39	-1.61
1077	2.54	-0.39	-1.58
1079	2.50	-0.35	-1.54
1081	2.56	-0.39	-1.56
1083	2.55	-0.33	-1.53
1085	2.58	-0.36	-1.53
1087	2.53	-0.34	-1.51
1089	2.56	-0.33	-1.49
1091	2.57	-0.29	-1.46
1093	2.58	-0.30	-1.47
1095	2.58	-0.32	-1.48
1097	2.59	-0.39	-1.46
1099	2.61	-6.00	-1.56
1101	2.58	-4.68	-1.66
1103	2.59	-4.59	-1.75
1105	2.58	-3.60	-1.72
1107	2.59	-3.55	-1.73
1109	2.54	-3.35	-1.78
1111	2.57	-3.23	-1.81

1113	2.56	-3.27	-1.83
1115	2.56	-3.78	-1.89
1117	2.59	-1.06	-1.91
1119	2.57	-3.63	-1.91
1121	2.54	-3.07	-1.91
1123	2.55	-3.08	-1.93
1125	2.56	-3.06	-1.91
1127	2.52	-3.04	-1.93
1129	2.55	-3.01	-1.92
1131	2.54	-3.00	-1.98
1133	2.55	-2.93	-1.96
1135	2.54	-2.90	-1.97
1137	2.61	-2.88	-1.96
1139	2.55	-2.85	-1.97
1141	2.56	-2.82	-1.94
1143	2.58	-2.76	-1.97
1145	2.55	-2.74	-1.98
1147	2.52	-2.70	-2.01
1149	2.54	-2.66	-2.00
1151	2.51	-2.66	-1.98
1153	2.55	-2.62	-2.01
1155	2.49	-2.60	-2.02
1157	2.50	-2.57	-2.04
1159	2.53	-2.53	-2.05
1161	2.52	-2.51	-2.02
1163	2.52	-2.49	-2.02
1165	2.52	-2.47	-2.02
1167	2.54	-2.42	-2.03
1169	2.54	-2.39	-2.04
1171	2.51	-2.38	-2.00
1173	2.52	-2.35	-2.00
1175	2.55	-2.31	-2.03
1177	2.55	-2.29	-2.04
1179	2.51	-2.28	-2.02
1181	2.54	-2.27	-2.00
1183	2.57	-2.21	-2.06
1185	2.53	-2.21	-2.07
1187	2.50	-2.19	-2.08
1189	2.53	-2.17	-2.07
1191	2.52	-2.14	-2.05
1193	2.54	-2.15	-2.07
1195	2.49	-2.14	-2.07
1197	2.51	-2.08	-2.07
1199	2.53	-2.08	-2.06
1201	2.51	-2.04	-2.04
1203	2.49	-2.01	-2.09
1205	2.52	-1.98	-2.08

1207	2.54	-1.97	-2.05
1209	2.54	-1.96	-2.06
1211	2.53	-1.94	-2.06
1213	2.55	-1.89	-2.10
1215	2.53	-1.90	-2.07
1217	2.51	-1.87	-2.09
1219	2.53	-1.84	-2.10
1221	2.52	-1.84	-2.08
1223	2.52	-1.82	-2.09
1225	2.50	-1.81	-2.10
1227	2.50	-1.79	-2.10
1229	2.49	-1.76	-2.11
1231	2.51	-1.74	-2.10
1233	2.53	-1.70	-2.09
1235	2.54	-1.69	-2.10
1237	2.52	-1.68	-2.07
1239	2.53	-1.67	-2.07
1241	2.53	-1.65	-2.08
1243	2.52	-1.61	-2.08
1245	2.51	-1.60	-2.10
1247	2.49	-1.59	-2.11
1249	2.52	-1.57	-2.09
1251	2.50	-1.56	-2.08
1253	2.48	-1.56	-2.10
1255	2.50	-1.54	-2.13
1257	2.56	-1.51	-2.05
1259	2.55	-1.47	-2.09
1261	2.51	-1.45	-2.08
1263	2.54	-1.47	-2.09
1265	2.56	-1.46	-2.02
1267	2.56	-1.41	-2.07
1269	2.50	-1.41	-2.08
1271	2.51	-1.40	-2.04
1273	2.51	-1.39	-2.03
1275	2.52	-1.36	-2.02
1277	2.52	-1.35	-2.04
1279	2.53	-1.33	-2.02
1281	2.52	-1.32	-2.01
1283	2.54	-1.28	-2.03
1285	2.52	-1.28	-2.04
1287	2.53	-1.28	-2.00
1289	2.51	-1.27	-2.04
1291	2.50	-1.24	-1.99
1293	2.52	-1.20	-1.98
1295	2.52	-1.21	-2.00
1297	2.49	-1.21	-1.94
1299	2.51	-1.18	-1.95

1301	2.56	-1.16	-1.97
1303	2.59	-1.14	-1.90
1305	2.55	-1.14	-1.92
1307	2.55	-1.15	-1.92
1309	2.53	-1.13	-1.93
1311	2.51	-1.12	-1.93
1313	2.53	-1.10	-1.90
1315	2.52	-1.10	-1.93
1317	2.51	-1.09	-1.90
1319	2.54	-1.06	-1.88
1321	2.55	-1.00	-1.88
1323	2.53	-1.03	-1.87
1325	2.52	-1.00	-1.87
1327	2.57	-0.99	-1.83
1329	2.54	-0.97	-1.82
1331	2.55	-0.98	-1.82
1333	2.56	-0.97	-1.82
1335	2.50	-0.95	-1.86
1337	2.53	-0.94	-1.85
1339	2.54	-0.93	-1.83
1341	2.53	-0.91	-1.81
1343	2.55	-0.91	-1.80
1345	2.57	-0.89	-1.78
1347	2.54	-0.88	-1.75
1349	2.52	-0.84	-1.78
1351	2.55	-0.83	-1.77
1353	2.55	-0.82	-1.73
1355	2.54	-0.81	-1.73
1357	2.56	-0.79	-1.75
1359	2.54	-0.80	-1.71
1361	2.55	-0.76	-1.72
1363	2.55	-0.77	-1.72
1365	2.48	-0.78	-1.70
1367	2.55	-0.75	-1.71
1369	2.55	-0.71	-1.69
1371	2.57	-0.75	-1.71
1373	2.53	-0.71	-1.68
1375	2.55	-0.69	-1.67
1377	2.55	-0.67	-1.65
1379	2.53	-0.67	-1.65
1381	2.54	-0.67	-1.61
1383	2.57	-0.64	-1.61
1385	2.58	-0.62	-1.62
1387	2.55	-0.64	-1.63
1389	2.56	-0.61	-1.57
1391	2.55	-0.59	-1.58
1393	2.58	-0.59	-1.57

1395	2.53	-0.59	-1.58
1397	2.56	-0.58	-1.57
1399	2.58	-0.57	-1.56
1401	2.56	-0.53	-1.55
1403	2.51	-0.54	-1.58
1405	2.54	-0.53	-1.54
1407	2.56	-0.52	-1.54
1409	2.54	-0.52	-1.53
1411	2.56	-0.48	-1.53
1413	2.56	-0.48	-1.49
1415	2.58	-0.46	-1.50
1417	2.54	-0.44	-1.50
1419	2.57	-0.44	-1.48
1421	2.59	-0.43	-1.44
1423	2.57	-0.44	-1.42
1425	2.58	-0.40	-1.45
1427	2.61	-0.40	-1.43
1429	2.56	-0.38	-1.41
1431	2.57	-0.38	-1.40
1433	2.57	-0.37	-1.38
1435	2.61	-0.36	-1.40
1437	2.56	-0.36	-1.40
1439	2.56	-0.35	-1.40
1441	2.53	-0.36	-1.37
1443	2.59	-0.34	-1.36
1445	2.54	-0.33	-1.34
1447	2.58	-0.30	-1.36
1449	2.55	-0.30	-1.33
1451	2.55	-0.29	-1.32
1453	2.54	-0.30	-1.32
1455	2.53	-0.28	-1.32
1457	2.56	-0.26	-1.29
1459	2.56	-0.25	-1.27
1461	2.61	-0.21	-1.28
1463	2.58	-0.24	-1.26
1465	2.57	-0.24	-1.27
1467	2.57	-0.21	-1.23
1469	2.57	-0.19	-1.24
1471	2.58	-0.18	-1.22
1473	2.55	-0.18	-1.22
1475	2.61	-0.18	-1.20
1477	2.61	-0.15	-1.19
1479	2.59	-0.16	-1.16
1481	2.61	-0.13	-1.17
1483	2.60	-0.13	-1.15
1485	2.58	-0.13	-1.12
1487	2.56	-0.13	-1.15

1489	2.55	-0.11	-1.13
1491	2.58	-0.07	-1.12
1493	2.57	-0.08	-1.12
1495	2.61	-0.09	-1.10
1497	2.57	-0.06	-1.13
1499	2.60	-0.06	-1.11
1501	2.59	-0.03	-1.05
1503	2.59	-0.03	-1.06
1505	2.58	-0.04	-1.06
1507	2.60	-0.03	-1.08
1509	2.61	0.00	-1.04
1511	2.57	0.01	-1.05
1513	2.59	-0.02	-1.02
1515	2.61	0.02	-1.01
1517	2.60	0.01	-1.03
1519	2.58	0.04	-1.03
1521	2.59	0.02	-1.00
1523	2.57	0.04	-0.98
1525	2.58	0.07	-0.95
1527	2.61	0.06	-0.95
1529	2.60	0.09	-0.93
1531	2.59	0.08	-0.94
1533	2.60	0.08	-0.92
1535	2.63	0.08	-0.97
1537	2.58	0.09	-0.92
1539	2.60	0.09	-0.90
1541	2.59	0.10	-0.90
1543	2.60	0.12	-0.94
1545	2.57	0.11	-0.91
1547	2.57	0.14	-0.91
1549	2.60	0.14	-0.88
1551	2.55	0.14	-0.90
1553	2.57	0.17	-0.89
1555	2.61	0.16	-0.84
1557	2.60	0.17	-0.84
1559	2.62	0.18	-0.80
1561	2.62	0.17	-0.81
1563	2.59	0.20	-0.83
1565	2.59	0.21	-0.82
1567	2.58	0.20	-0.81
1569	2.57	0.23	-0.80
1571	2.58	0.21	-0.78
1573	2.61	0.23	-0.80
1575	2.60	0.25	-0.77
1577	2.60	0.27	-0.73
1579	2.60	0.25	-0.73
1581	2.64	0.26	-0.75

1583	2.57	0.25	-0.75
1585	2.57	0.26	-0.76
1587	2.59	0.27	-0.73
1589	2.59	0.33	-0.70
1591	2.61	0.29	-0.71
1593	2.63	0.31	-0.69
1595	2.62	0.35	-0.69
1597	2.64	0.32	-0.68
1599	2.63	0.34	-0.69
1601	2.59	0.35	-0.68
1603	2.58	0.36	-0.70
1605	2.63	0.32	-0.65
1607	2.62	0.34	-0.63
1609	2.62	0.36	-0.64
1611	2.62	0.39	-0.63
1613	2.64	0.38	-0.60
1615	2.64	0.42	-0.61
1617	2.65	0.39	-0.60
1619	2.61	0.39	-0.59
1621	2.59	0.41	-0.63
1623	2.64	0.40	-0.58
1625	2.60	0.42	-0.56
1627	2.61	0.41	-0.57
1629	2.64	0.41	-0.55
1631	2.62	0.43	-0.55
1633	2.64	0.44	-0.50
1635	2.65	0.45	-0.52
1637	2.63	0.46	-0.52
1639	2.59	0.47	-0.53
1641	2.61	0.45	-0.54
1643	2.61	0.47	-0.51
1645	2.57	0.48	-0.50
1647	2.60	0.48	-0.50
1649	2.62	0.45	-0.47
1651	2.62	0.50	-0.45
1653	2.62	0.51	-0.47
1655	2.62	0.55	-0.48
1657	2.63	0.55	-0.41
1659	2.61	0.52	-0.45
1661	2.64	0.55	-0.44
1663	2.60	0.53	-0.40
1665	2.63	0.52	-0.41
1667	2.60	0.54	-0.40
1669	2.59	0.54	-0.40
1671	2.61	0.56	-0.41
1673	2.64	0.57	-0.37
1675	2.64	0.57	-0.34

1677	2.63	0.59	-0.36
1679	2.62	0.60	-0.36
1681	2.66	0.60	-0.35
1683	2.61	0.59	-0.34
1685	2.62	0.59	-0.35
1687	2.63	0.60	-0.33
1689	2.60	0.60	-0.33
1691	2.63	0.62	-0.33
1693	2.66	0.64	-0.29
1695	2.64	0.63	-0.26
1697	2.65	0.64	-0.26
1699	2.62	0.66	-0.28
1701	2.67	0.65	-0.26
1703	2.65	0.68	-0.25
1705	2.64	0.65	-0.22
1707	2.62	0.67	-0.26
1709	2.61	0.64	-0.25
1711	2.60	0.66	-0.25
1713	2.63	0.67	-0.23
1715	2.64	0.70	-0.25
1717	2.65	0.70	-0.21
1719	2.67	0.69	-0.21
1721	2.64	0.73	-0.19
1723	2.64	0.71	-0.18
1725	2.64	0.72	-0.17
1727	2.69	0.74	-0.16
1729	2.66	0.73	-0.18
1731	2.64	0.71	-0.16
1733	2.66	0.74	-0.17
1735	2.61	0.73	-0.17
1737	2.62	0.73	-0.16
1739	2.60	0.75	-0.16
1741	2.62	0.73	-0.14
1743	2.65	0.75	-0.15
1745	2.62	0.75	-0.12
1747	2.64	0.75	-0.15
1749	2.64	0.75	-0.12
1751	2.66	0.75	-0.06
1753	2.63	0.77	-0.11
1755	2.60	0.78	-0.09
1757	2.62	0.76	-0.09
1759	2.63	0.79	-0.08
1761	2.62	0.81	-0.07
1763	2.62	0.80	-0.07
1765	2.66	0.82	-0.06
1767	2.64	0.81	-0.04
1769	2.66	0.80	-0.07

1771	2.64	0.87	-0.04
1773	2.68	0.87	-0.04
1775	2.67	0.86	0.01
1777	2.66	0.86	-0.01
1779	2.66	0.86	0.02
1781	2.68	0.87	0.03
1783	2.69	0.87	0.02
1785	2.66	0.87	0.02
1787	2.65	0.89	0.02
1789	2.67	0.87	0.04
1791	2.67	0.88	0.04
1793	2.66	0.90	0.05
1795	2.66	0.91	0.04
1797	2.67	0.92	0.04
1799	2.69	0.91	0.06
1801	2.67	0.92	0.08
1803	2.66	0.92	0.08
1805	2.66	0.94	0.10
1807	2.69	0.92	0.10
1809	2.68	0.94	0.09
1811	2.65	0.94	0.11
1813	2.68	0.94	0.09
1815	2.67	0.94	0.12
1817	2.69	0.96	0.15
1819	2.66	0.98	0.12
1821	2.67	0.94	0.13
1823	2.69	0.98	0.13
1825	2.66	0.98	0.15
1827	2.65	0.98	0.18
1829	2.67	0.97	0.17
1831	2.65	1.00	0.16
1833	2.69	1.00	0.18
1835	2.68	1.01	0.18
1837	2.65	1.00	0.16
1839	2.65	0.98	0.17
1841	2.67	1.01	0.19
1843	2.65	1.01	0.19
1845	2.66	0.97	0.18
1847	2.65	1.00	0.18
1849	2.65	1.02	0.21
1851	2.65	0.99	0.19
1853	2.66	1.05	0.19
1855	2.64	1.01	0.23
1857	2.66	1.02	0.22
1859	2.65	1.04	0.24
1861	2.68	1.06	0.25
1863	2.70	1.09	0.24

1865	2.68	1.08	0.26
1867	2.68	1.06	0.23
1869	2.72	1.08	0.24
1871	2.68	1.10	0.28
1873	2.69	1.07	0.26
1875	2.65	1.08	0.30
1877	2.67	1.07	0.26
1879	2.66	1.09	0.27
1881	2.66	1.10	0.28
1883	2.66	1.09	0.28
1885	2.65	1.08	0.32
1887	2.67	1.10	0.30
1889	2.65	1.08	0.29
1891	2.68	1.10	0.32
1893	2.65	1.11	0.35
1895	2.64	1.11	0.34
1897	2.62	1.12	0.36
1899	2.67	1.15	0.34
1901	2.67	1.16	0.32
1903	2.67	1.13	0.38
1905	2.66	1.15	0.37
1907	2.67	1.14	0.39
1909	2.68	1.16	0.37
1911	2.69	1.18	0.39
1913	2.66	1.17	0.40
1915	2.64	1.17	0.38
1917	2.67	1.15	0.39
1919	2.66	1.15	0.42
1921	2.73	1.16	0.41
1923	2.68	1.17	0.42
1925	2.69	1.19	0.42
1927	2.71	1.17	0.41
1929	2.69	1.20	0.45
1931	2.70	1.19	0.45
1933	2.70	1.21	0.44
1935	2.69	1.22	0.43
1937	2.67	1.20	0.46
1939	2.67	1.22	0.46
1941	2.67	1.22	0.46
1943	2.69	1.22	0.44
1945	2.66	1.22	0.47
1947	2.69	1.23	0.48
1949	2.68	1.23	0.48
1951	2.70	1.23	0.47
1953	2.67	1.23	0.50
1955	2.68	1.25	0.51
1957	2.70	1.25	0.52

1959	2.71	1.25	0.50
1961	2.66	1.25	0.52
1963	2.70	1.29	0.53
1965	2.68	1.27	0.53
1967	2.68	1.26	0.52
1969	2.69	1.26	0.55
1971	2.66	1.26	0.52
1973	2.70	1.25	0.51
1975	2.67	1.29	0.54
1977	2.69	1.29	0.56
1979	2.68	1.29	0.57
1981	2.72	1.29	0.57
1983	2.67	1.30	0.59
1985	2.70	1.29	0.58
1987	2.70	1.32	0.57
1989	2.69	1.08	0.59
1991	2.68	2.01	0.58
1993	2.71	3.81	0.63
1995	2.76	4.72	0.69
1997	2.70	4.53	0.74
1999	2.66	4.53	0.82
2001	2.67	4.51	0.88
2003	2.72	4.47	0.93
2005	2.69	4.49	0.95
2007	2.68	4.45	1.01
2009	2.71	4.42	1.06
2011	2.69	4.40	1.09
2013	2.70	4.39	1.13
2015	2.68	4.37	1.18
2017	2.70	4.36	1.24
2019	2.72	4.36	1.27
2021	2.73	4.36	1.30
2023	2.70	4.32	1.37
2025	2.71	4.30	1.36
2027	2.71	4.29	1.41
2029	2.71	4.30	1.44
2031	2.74	4.30	1.50
2033	2.73	4.28	1.53
2035	2.70	4.27	1.56
2037	2.72	4.27	1.63
2039	2.72	4.24	1.65
2041	2.72	4.23	1.70
2043	2.73	4.22	1.70
2045	2.73	4.21	1.75
2047	2.69	4.22	1.77
2049	2.73	4.22	1.81
2051	2.70	4.21	1.82

2053	2.74	4.18	1.87
2055	2.75	4.20	1.89
2057	2.75	4.19	1.95
2059	2.74	4.18	1.96
2061	2.73	4.16	1.98
2063	2.75	4.15	2.02
2065	2.74	4.15	2.05
2067	2.74	4.16	2.07
2069	2.74	4.15	2.09
2071	2.75	4.12	2.11
2073	2.78	4.14	2.13
2075	2.77	4.13	2.17
2077	2.76	4.13	2.19
2079	2.75	4.11	2.23
2081	2.75	4.11	2.23
2083	2.75	4.11	2.26
2085	2.74	4.09	2.28
2087	2.78	4.11	2.30
2089	2.74	4.06	2.33
2091	2.74	4.10	2.30
2093	2.75	4.09	2.35
2095	2.76	4.08	2.41
2097	2.76	4.08	2.38
2099	2.78	4.08	2.38
2101	2.78	4.09	2.44
2103	2.74	4.06	2.48
2105	2.79	4.01	2.46
2107	2.75	4.05	2.47
2109	2.75	4.07	2.49
2111	2.72	4.04	2.53
2113	2.77	4.00	2.51
2115	2.77	4.02	2.51
2117	2.77	4.02	2.56
2119	2.73	4.01	2.57
2121	2.72	4.00	2.57
2123	2.75	4.02	2.59
2125	2.74	3.99	2.63
2127	2.76	3.98	2.63
2129	2.76	3.98	2.64
2131	2.74	3.98	2.68
2133	2.73	3.99	2.68
2135	2.73	3.95	2.67
2137	2.75	3.97	2.70
2139	2.74	3.97	2.70
2141	2.75	3.98	2.73
2143	2.75	3.97	2.77
2145	2.75	3.95	2.74

2147	2.78	3.95	2.76
2149	2.77	3.94	2.77
2151	2.72	3.95	2.79
2153	2.76	3.96	2.82
2155	2.79	3.95	2.83
2157	2.77	3.95	2.81
2159	2.75	3.93	2.82
2161	2.76	3.93	2.85
2163	2.78	3.96	2.87
2165	2.75	3.91	2.89
2167	2.76	3.93	2.88
2169	2.73	3.94	2.90
2171	2.77	3.91	2.93
2173	2.74	3.90	2.92
2175	2.76	3.88	2.93
2177	2.79	3.88	2.92
2179	2.74	3.91	2.95
2181	2.74	3.88	2.98
2183	2.77	3.43	2.94
2185	2.79	2.69	2.96
2187	2.79	2.02	2.94
2189	2.82	2.57	2.94
2191	2.80	3.19	2.94
2193	2.79	3.18	2.94
2195	2.80	3.21	2.97
2197	2.82	3.22	2.97
2199	2.78	3.18	2.96
2201	2.81	3.13	2.98
2203	2.79	3.16	2.97
2205	2.74	3.09	2.97
2207	2.77	2.89	2.94
2209	2.79	1.32	2.96
2211	2.78	2.59	2.90
2213	2.76	0.95	2.88
2215	2.78	1.97	2.91
2217	2.77	0.34	2.87
2219	2.80	2.51	2.87
2221	2.77	2.99	2.88
2223	2.79	2.21	2.87
2225	2.79	1.58	2.87
2227	2.76	2.11	2.86
2229	2.78	2.09	2.83
2231	2.78	1.59	2.84
2233	2.79	2.02	2.83
2235	2.77	0.65	2.81
2237	2.78	0.31	2.78
2239	2.75	0.51	2.73

2241	2.76	0.61	2.75
2243	2.75	0.00	2.71
2245	2.76	-0.56	2.70
2247	2.73	0.70	2.66
2249	2.75	-1.12	2.63
2251	2.73	0.86	2.66
2253	2.75	-0.22	2.63
2255	2.75	0.53	2.61
2257	2.73	-0.58	2.60
2259	2.75	-0.08	2.61
2261	2.71	-0.22	2.60
2263	2.74	-1.05	2.58
2265	2.76	-0.01	2.59
2267	2.77	-0.67	2.58
2269	2.76	-1.19	2.56
2271	2.73	-1.08	2.53
2273	2.75	-1.64	2.50
2275	2.75	-1.26	2.51
2277	2.75	-1.18	2.50
2279	2.75	-1.02	2.45
2281	2.73	-1.44	2.43
2283	2.72	-1.27	2.44
2285	2.75	-1.83	2.41
2287	2.73	-1.49	2.37
2289	2.72	-1.52	2.36
2291	2.73	-1.61	2.35
2293	2.73	-1.04	2.32
2295	2.69	-1.16	2.31
2297	2.73	-1.39	2.30
2299	2.70	-1.82	2.27
2301	2.73	-1.03	2.32
2303	2.71	-1.43	2.28
2305	2.74	-2.39	2.26
2307	2.71	-1.83	2.24
2309	2.72	-1.48	2.21
2311	2.72	-2.71	2.20
2313	2.72	-2.05	2.19
2315	2.73	-0.81	2.17
2317	2.70	-1.40	2.18
2319	2.70	-2.32	2.16
2321	2.73	-2.30	2.16
2323	2.69	-2.18	2.12
2325	2.69	-1.45	2.14
2327	2.69	-1.05	2.10
2329	2.69	-2.17	2.09
2331	2.67	-3.32	2.06
2333	2.71	-2.60	2.08

2335	2.69	-2.00	2.05
2337	2.70	-1.89	2.04
2339	2.70	-1.12	2.01
2341	2.70	-0.31	2.05
2343	2.68	-1.55	2.01
2345	2.72	-1.63	2.00
2347	2.72	-1.29	1.97
2349	2.70	-1.09	1.95
2351	2.66	-1.57	1.97
2353	2.68	-1.31	1.98
2355	2.66	-0.21	1.95
2357	2.67	-2.01	1.95
2359	2.67	-1.27	1.97
2361	2.68	-0.77	1.95
2363	2.67	-0.18	1.95
2365	2.65	-0.50	1.94
2367	2.68	-1.24	1.98
2369	2.70	-0.97	1.95
2371	2.68	-0.98	1.96
2373	2.67	-0.94	1.93
2375	2.67	-0.90	1.93
2377	2.65	-0.91	1.95
2379	2.61	-0.87	1.91
2381	2.69	-0.84	1.92
2383	2.66	-0.81	1.94
2385	2.62	-0.80	1.90
2387	2.64	-0.81	1.90
2389	2.64	-0.76	1.89
2391	2.68	-0.74	1.93
2393	2.66	-0.71	1.91
2395	2.68	-0.69	1.91
2397	2.64	-0.68	1.90
2399	2.66	-0.68	1.88
2401	2.65	-0.64	1.90
2403	2.69	-0.65	1.88
2405	2.63	-0.61	1.90
2407	2.63	-0.59	1.87
2409	2.62	-0.57	1.86
2411	2.62	-0.57	1.87
2413	2.66	-0.56	1.88
2415	2.65	-0.52	1.89
2417	2.64	-0.50	1.88
2419	2.62	-0.50	1.85
2421	2.63	-0.47	1.88
2423	2.70	-0.46	1.90
2425	2.67	-0.45	1.86
2427	2.64	-0.44	1.84

2429	2.62	-0.44	1.84
2431	2.63	-0.41	1.86
2433	2.65	-0.38	1.84
2435	2.64	-0.39	1.84
2437	2.64	-0.39	1.83
2439	2.63	-0.38	1.86
2441	2.63	-0.35	1.83
2443	2.66	-0.33	1.87
2445	2.65	-0.32	1.85
2447	2.66	-0.30	1.87
2449	2.65	-0.30	1.86
2451	2.66	-0.28	1.85
2453	2.69	-0.28	1.84
2455	2.66	-0.24	1.84
2457	2.66	-0.25	1.86
2459	2.65	-0.23	1.82
2461	2.61	-0.22	1.84
2463	2.64	-0.21	1.77
2465	2.65	-0.20	1.82
2467	2.66	-0.16	1.83
2469	2.64	-0.19	1.79
2471	2.64	-0.13	1.77
2473	2.66	-0.15	1.80
2475	2.65	-0.13	1.80
2477	2.65	-0.11	1.79
2479	2.64	-0.10	1.80
2481	2.68	-0.08	1.83
2483	2.67	-0.07	1.81
2485	2.65	-0.07	1.79
2487	2.65	-0.04	1.81
2489	2.67	-0.05	1.78
2491	2.64	-0.05	1.81
2493	2.65	-0.04	1.76
2495	2.63	-0.02	1.75
2497	2.62	-0.03	1.78
2499	2.62	-0.00	1.76
2501	2.64	-0.01	1.76
2503	2.66	0.02	1.76
2505	2.62	0.07	1.77
2507	2.69	0.33	1.78
2509	2.64	0.42	1.78
2511	2.65	0.56	1.78
2513	2.64	0.77	1.76
2515	2.66	0.96	1.77
2517	2.66	1.17	1.78
2519	2.64	1.36	1.78
2521	2.64	1.51	1.77

2523	2.65	1.71	1.77
2525	2.64	1.89	1.78
2527	2.64	2.11	1.76
2529	2.64	2.29	1.75
2531	2.65	2.47	1.78
2533	2.62	2.64	1.83
2535	2.66	2.82	1.82
2537	2.62	3.02	1.83
2539	2.64	3.20	1.86
2541	2.68	3.37	1.87
2543	2.68	3.53	1.88
2545	2.63	3.66	1.92
2547	2.66	3.85	1.91
2549	2.66	4.02	1.91
2551	2.66	4.18	1.96
2553	2.66	4.30	1.98
2555	2.68	4.49	2.02
2557	2.69	4.64	2.06
2559	2.64	4.79	2.10
2561	2.64	4.94	2.09
2563	2.69	5.11	2.14
2565	2.65	5.27	2.18
2567	2.67	5.41	2.20
2569	2.67	5.57	2.24
2571	2.66	5.70	2.24
2573	2.67	5.88	2.32
2575	2.66	6.01	2.33
2577	2.68	6.18	2.37
2579	2.66	6.31	2.43
2581	2.72	6.50	2.47
2583	2.70	6.61	2.50
2585	2.72	6.77	2.55
2587	2.68	6.91	2.58
2589	2.69	7.08	2.64
2591	2.70	7.25	2.65
2593	2.70	7.38	2.68
2595	2.71	7.54	2.73
2597	2.71	7.69	2.81
2599	2.74	7.83	2.86
2601	2.70	7.97	2.85
2603	2.75	8.11	2.90
2605	2.70	8.29	2.98
2607	2.72	8.42	2.99
2609	2.72	8.55	3.02
2611	2.71	8.70	3.06
2613	2.74	8.82	3.14
2615	2.72	8.98	3.12

2617	2.75	9.15	3.23
2619	2.76	9.28	3.28
2621	2.74	9.46	3.29
2623	2.73	9.58	3.35
2625	2.74	9.73	3.37
2627	2.74	9.88	3.42
2629	2.76	10.03	3.48
2631	2.74	10.19	3.50
2633	2.72	10.36	3.55
2635	2.74	10.52	3.61
2637	2.73	10.68	3.67
2639	2.73	10.83	3.72
2641	2.75	11.02	3.76
2643	2.74	11.17	3.81
2645	2.73	11.33	3.87
2647	2.73	11.48	3.91
2649	2.78	11.67	3.97
2651	2.76	11.81	4.02
2653	2.78	12.00	4.09
2655	2.78	12.14	4.12
2657	2.79	12.30	4.17
2659	2.79	12.47	4.25
2661	2.80	12.61	4.30
2663	2.79	12.80	4.33
2665	2.77	12.96	4.37
2667	2.75	13.11	4.40
2669	2.76	13.26	4.46
2671	2.78	13.45	4.50
2673	2.78	13.58	4.59
2675	2.78	13.74	4.63
2677	2.81	13.92	4.70
2679	2.82	14.07	4.77
2681	2.80	14.21	4.82
2683	2.79	14.39	4.87
2685	2.79	14.52	4.91
2687	2.81	14.71	4.95
2689	2.78	14.88	5.03
2691	2.76	14.99	5.09
2693	2.77	15.16	5.12
2695	2.80	15.31	5.19
2697	2.79	15.47	5.25
2699	2.78	15.61	5.31
2701	2.82	15.81	5.37
2703	2.83	15.95	5.45
2705	2.83	16.09	5.53
2707	2.81	16.25	5.56
2709	2.81	16.41	5.60

2711	2.81	16.55	5.63
2713	2.79	16.68	5.74
2715	2.80	16.83	5.78
2717	2.78	17.00	5.83
2719	2.81	17.12	5.93
2721	2.80	17.31	5.97
2723	2.81	17.46	6.05
2725	2.83	17.61	6.08
2727	2.83	17.75	6.19
2729	2.82	17.91	6.37
2731	2.83	18.04	6.53
2733	2.80	18.23	6.65
2735	2.81	18.34	6.77
2737	2.82	18.49	6.87
2739	2.81	18.65	7.01
2741	2.86	18.81	7.19
2743	2.84	18.95	7.30
2745	2.83	19.10	7.41
2747	2.84	19.25	7.54
2749	2.84	19.42	7.71
2751	2.84	19.57	7.85
2753	2.81	19.71	7.94
2755	2.83	19.83	8.08
2757	2.86	20.01	8.22
2759	2.86	20.16	8.33
2761	2.85	20.32	8.46
2763	2.84	20.49	8.60
2765	2.84	20.67	8.72
2767	2.86	20.82	8.84
2769	2.85	21.00	8.98
2771	2.84	21.15	9.12
2773	2.85	21.36	9.24
2775	2.81	21.49	9.35
2777	2.83	21.63	9.50
2779	2.85	21.81	9.64
2781	2.84	21.95	9.75
2783	2.81	22.13	9.87
2785	2.82	22.26	10.02
2787	2.83	22.43	10.16
2789	2.85	22.62	10.28
2791	2.82	22.78	10.41
2793	2.84	22.90	10.54
2795	2.84	23.05	10.67
2797	2.82	23.24	10.81
2799	2.86	23.36	10.94
2801	2.86	23.50	11.10
2803	2.83	23.68	11.25

2805	2.84	23.78	11.33
2807	2.86	23.99	11.47
2809	2.87	24.18	11.62
2811	2.84	24.34	11.78
2813	2.83	24.49	11.89
2815	2.87	24.62	12.02
2817	2.88	24.78	12.18
2819	2.90	24.97	12.26
2821	2.87	25.12	12.44
2823	2.90	25.24	12.56
2825	2.86	25.41	12.67
2827	2.90	25.57	12.85
2829	2.86	25.71	13.00
2831	2.85	25.86	13.12
2833	2.84	26.02	13.23
2835	2.85	26.18	13.36
2837	2.86	26.32	13.52
2839	2.86	26.47	13.64
2841	2.86	26.61	13.75
2843	2.87	26.76	13.93
2845	2.88	26.91	14.03
2847	2.87	27.08	14.16
2849	2.88	27.19	14.31
2851	2.87	27.38	14.47
2853	2.86	27.47	14.54
2855	2.86	27.62	14.66
2857	2.86	27.85	14.86
2859	2.88	27.96	14.98
2861	2.84	28.09	15.08
2863	2.87	28.26	15.24
2865	2.85	28.40	15.39
2867	2.86	28.56	15.54
2869	2.83	28.68	15.67
2871	2.88	28.83	15.80
2873	2.89	28.99	15.95
2875	2.87	29.12	16.08
2877	2.86	29.27	16.23
2879	2.84	29.44	16.34
2881	2.88	29.55	16.44
2883	2.86	29.74	16.61
2885	2.88	29.89	16.72
2887	2.84	30.04	16.86
2889	2.90	30.18	17.01
2891	2.89	30.36	17.18
2893	2.89	30.51	17.30
2895	2.88	30.65	17.43
2897	2.90	30.81	17.54

2899	2.86	30.98	17.68
2901	2.87	31.12	17.83
2903	2.85	31.28	17.94
2905	2.86	31.44	18.11
2907	2.86	31.57	18.22
2909	2.88	31.73	18.35
2911	2.87	31.87	18.49
2913	2.87	32.03	18.65
2915	2.91	32.22	18.79
2917	2.91	32.35	18.95
2919	2.89	32.50	19.04
2921	2.89	32.65	19.19
2923	2.88	32.82	19.36
2925	2.90	32.96	19.49
2927	2.87	33.06	19.62
2929	2.87	33.23	19.75
2931	2.90	33.38	19.87
2933	2.86	33.52	19.98
2935	2.88	33.69	20.15
2937	2.88	33.86	20.30
2939	2.87	33.99	20.42
2941	2.91	34.17	20.57
2943	2.89	34.33	20.70
2945	2.88	34.48	20.82
2947	2.88	34.65	20.99
2949	2.91	34.81	21.13
2951	2.89	34.99	21.25
2953	2.89	35.14	21.40
2955	2.86	35.32	21.52
2957	2.85	35.48	21.67
2959	2.86	35.67	21.80
2961	2.92	35.81	21.93
2963	2.86	35.98	22.05
2965	2.87	36.12	22.22
2967	2.88	36.29	22.37
2969	2.88	36.47	22.52
2971	2.89	36.63	22.61
2973	2.87	36.79	22.78
2975	2.88	36.95	22.94
2977	2.91	37.13	23.05
2979	2.91	37.29	23.19
2981	2.89	37.45	23.34
2983	2.88	37.62	23.49
2985	2.90	37.80	23.64
2987	2.89	37.98	23.75
2989	2.91	38.11	23.88
2991	2.91	38.26	24.05

2993	2.89	38.44	24.14
2995	2.91	38.62	24.30
2997	2.90	38.77	24.47
2999	2.92	38.91	24.57
3001	2.92	39.09	24.73
3003	2.93	39.27	24.85
3005	2.89	39.43	25.00
3007	2.89	39.58	25.12
3009	2.90	39.73	25.27
3011	2.96	39.91	25.41
3013	2.91	40.05	25.55
3015	2.92	40.20	25.68
3017	2.93	40.37	25.80
3019	2.91	40.51	25.93
3021	2.90	40.67	26.06
3023	2.95	40.85	26.20
3025	2.92	41.01	26.31
3027	2.90	41.15	26.49
3029	2.87	41.30	26.62
3031	2.93	41.47	26.75
3033	2.94	41.60	26.90
3035	2.88	41.77	27.05
3037	2.89	41.93	27.15
3039	2.89	42.07	27.30
3041	2.88	42.24	27.42
3043	2.84	42.39	27.58
3045	2.90	42.52	27.69
3047	2.89	42.69	27.82
3049	2.89	42.84	27.96
3051	2.89	42.99	28.14
3053	2.89	43.10	28.27
3055	2.90	43.29	28.38
3057	2.90	43.45	28.50
3059	2.84	43.59	28.63
3061	2.91	43.74	28.79
3063	2.89	43.90	28.96
3065	2.89	44.04	29.11
3067	2.92	44.19	29.21
3069	2.92	44.36	29.35
3071	2.91	44.48	29.50
3073	2.93	44.64	29.62
3075	2.90	44.81	29.77
3077	2.90	44.91	29.93
3079	2.94	45.10	30.03
3081	2.90	45.25	30.16
3083	2.94	45.39	30.32
3085	2.90	45.55	30.46

3087	2.90	45.67	30.61
3089	2.93	45.83	30.74
3091	2.92	46.02	30.83
3093	2.92	46.18	31.02
3095	2.89	46.41	31.14
3097	2.92	46.52	31.28
3099	2.90	46.74	31.45
3101	2.90	46.95	31.56
3103	2.90	47.08	31.71
3105	2.89	47.25	31.81
3107	2.91	47.45	31.98
3109	2.91	47.65	32.15
3111	2.89	47.83	32.25
3113	2.87	48.00	32.39
3115	2.91	48.20	32.55
3117	2.91	48.39	32.66
3119	2.90	48.55	32.81
3121	2.90	48.72	32.96
3123	2.91	48.92	33.10
3125	2.91	49.08	33.24
3127	2.89	49.28	33.39
3129	2.90	49.50	33.53
3131	2.90	49.62	33.66
3133	2.91	49.80	33.82
3135	2.90	50.01	33.98
3137	2.90	50.18	34.11
3139	2.92	50.35	34.23
3141	2.90	50.53	34.38
3143	2.92	50.72	34.55
3145	2.91	50.88	34.70
3147	2.92	51.06	34.83
3149	2.91	51.19	35.00
3151	2.93	51.40	35.13
3153	2.91	51.61	35.28
3155	2.92	51.78	35.41
3157	2.94	51.95	35.59
3159	2.93	52.10	35.72
3161	2.91	52.30	35.87
3163	2.91	52.42	35.99
3165	2.91	52.59	36.14
3167	2.93	52.79	36.29
3169	2.92	52.96	36.45
3171	2.91	53.11	36.59
3173	2.92	53.30	36.73
3175	2.94	53.47	36.88
3177	2.92	53.66	37.02
3179	2.91	53.78	37.15

3181	2.93	53.97	37.32
3183	2.93	54.14	37.47
3185	2.94	54.32	37.60
3187	2.92	54.49	37.74
3189	2.94	54.66	37.91
3191	2.91	54.82	38.05
3193	2.93	54.99	38.19
3195	2.89	55.16	38.32
3197	2.88	55.34	38.46
3199	2.94	55.47	38.63
3201	2.91	55.65	38.78
3203	2.90	55.84	38.90
3205	2.89	55.99	39.04
3207	2.89	56.21	39.21
3209	2.87	56.37	39.34
3211	2.91	56.55	39.50
3213	2.95	56.73	39.70
3215	2.89	56.90	39.81
3217	2.92	57.05	39.92
3219	2.93	57.23	40.11
3221	2.94	57.37	40.24
3223	2.94	57.56	40.38
3225	2.92	57.70	40.54
3227	2.96	57.88	40.70
3229	2.92	58.03	40.86
3231	2.93	58.18	40.99
3233	2.90	58.34	41.12
3235	2.90	58.53	41.27
3237	2.91	58.68	41.40
3239	2.89	58.85	41.56
3241	2.90	58.98	41.72
3243	2.91	59.16	41.84
3245	2.89	59.30	42.00
3247	2.86	59.46	42.15
3249	2.91	59.68	42.32
3251	2.92	59.82	42.45
3253	2.90	59.96	42.62
3255	2.91	60.14	42.75
3257	2.91	60.31	42.89
3259	2.94	60.45	43.07
3261	2.93	60.57	43.20
3263	2.95	60.74	43.34
3265	2.93	60.94	43.50
3267	2.94	61.09	43.67
3269	2.93	61.25	43.80
3271	2.90	61.39	43.93
3273	2.90	61.56	44.07

3275	2.90	61.73	44.22
3277	2.91	61.84	44.38
3279	2.89	62.00	44.52
3281	2.91	62.16	44.64
3283	2.93	62.33	44.79
3285	2.91	62.53	44.96
3287	2.95	62.70	45.12
3289	2.88	62.89	45.27
3291	2.91	63.10	45.41
3293	2.93	63.31	45.56
3295	2.90	63.53	45.76
3297	2.92	63.78	45.87
3299	2.92	63.92	46.02
3301	2.94	64.10	46.17
3303	2.92	64.29	46.31
3305	2.93	64.47	46.46
3307	2.96	64.65	46.60
3309	2.87	64.83	46.75
3311	2.95	65.04	46.90
3313	2.92	65.20	47.07
3315	2.90	65.38	47.22
3317	2.88	65.57	47.33
3319	2.94	65.79	47.50
3321	2.90	65.93	47.66
3323	2.93	66.15	47.81
3325	2.93	66.31	47.95
3327	2.93	66.54	48.14
3329	2.97	66.67	48.26
3331	2.93	66.87	48.40
3333	2.91	67.03	48.60
3335	2.93	67.23	48.72
3337	2.90	67.40	48.89
3339	2.92	67.57	49.02
3341	2.89	67.75	49.16
3343	2.90	67.94	49.30
3345	2.91	68.12	49.47
3347	2.92	68.30	49.62
3349	2.91	68.47	49.77
3351	2.93	68.65	49.93
3353	2.93	68.83	50.08
3355	2.93	69.01	50.23
3357	2.93	69.19	50.39
3359	2.90	69.35	50.56
3361	2.95	69.55	50.70
3363	2.91	69.70	50.89
3365	2.90	69.86	51.01
3367	2.96	70.02	51.17

3369	2.93	70.23	51.31
3371	2.92	70.36	51.49
3373	2.92	70.54	51.63
3375	2.91	70.69	51.78
3377	2.93	70.87	51.95
3379	2.95	71.06	52.07
3381	2.93	71.21	52.23
3383	2.92	71.35	52.36
3385	2.93	71.58	52.55
3387	2.91	71.72	52.69
3389	2.91	71.87	52.83
3391	2.87	72.07	52.99
3393	2.90	72.24	53.15
3395	2.89	72.39	53.30
3397	2.89	72.55	53.44
3399	2.91	72.73	53.60
3401	2.90	72.91	53.75
3403	2.91	73.05	53.89
3405	2.89	73.23	54.02
3407	2.92	73.38	54.19
3409	2.92	73.58	54.37
3411	2.94	73.74	54.51
3413	2.91	73.88	54.66
3415	2.93	74.03	54.83
3417	2.93	74.19	54.96
3419	2.92	74.38	55.15
3421	2.92	74.49	55.25
3423	2.90	74.65	55.41
3425	2.94	74.90	55.57
3427	2.92	75.02	55.73
3429	2.95	75.15	55.88
3431	2.92	75.31	56.03
3433	2.91	75.44	56.18
3435	2.93	75.59	56.34
3437	2.94	75.77	56.51
3439	2.94	75.90	56.63
3441	2.92	76.05	56.77
3443	2.92	76.19	56.92
3445	2.93	76.35	57.07
3447	2.92	76.52	57.21
3449	2.86	76.62	57.34
3451	2.89	76.80	57.51
3453	2.91	76.96	57.67
3455	2.90	77.10	57.83
3457	2.91	77.26	57.98
3459	2.90	77.42	58.12
3461	2.89	77.54	58.29

3463	2.90	77.74	58.43
3465	2.95	77.82	58.59
3467	2.93	77.99	58.73
3469	2.94	78.17	58.90
3471	2.93	78.29	59.04
3473	2.91	78.45	59.18
3475	2.94	78.60	59.36
3477	2.90	78.76	59.50
3479	2.94	78.88	59.62
3481	2.91	79.04	59.77
3483	2.92	79.21	59.93
3485	2.91	79.33	60.08
3487	2.91	79.53	60.20
3489	2.90	79.64	60.34
3491	2.90	79.90	60.51
3493	2.93	80.02	60.65
3495	2.91	80.18	60.78
3497	2.89	80.33	60.93
3499	2.91	80.49	61.10
3501	2.90	80.67	61.25
3503	2.89	80.83	61.37
3505	2.89	81.00	61.50
3507	2.91	81.16	61.64
3509	2.92	81.35	61.82
3511	2.91	81.48	61.97
3513	2.90	81.65	62.14
3515	2.91	81.84	62.30
3517	2.91	82.01	62.42
3519	2.94	82.15	62.57
3521	2.92	82.31	62.72
3523	2.91	82.49	62.86
3525	2.92	82.66	63.02
3527	2.92	82.81	63.17
3529	2.94	82.94	63.29
3531	2.93	83.12	63.44
3533	2.92	83.29	63.59
3535	2.94	83.45	63.73
3537	2.96	83.61	63.88
3539	2.96	83.75	64.01
3541	2.97	83.94	64.18
3543	2.96	84.11	64.32
3545	2.92	84.24	64.46
3547	2.92	84.38	64.61
3549	2.95	84.52	64.78
3551	2.95	84.70	64.91
3553	2.92	84.86	65.03
3555	2.90	84.97	65.17

3557	2.91	85.16	65.30
3559	2.91	85.31	65.46
3561	2.88	85.45	65.61
3563	2.88	85.57	65.74
3565	2.93	85.74	65.89
3567	2.89	85.89	66.06
3569	2.92	86.05	66.20
3571	2.91	86.20	66.35
3573	2.92	86.36	66.49
3575	2.89	86.49	66.66
3577	2.89	86.63	66.78
3579	2.92	86.78	66.96
3581	2.89	86.96	67.08
3583	2.92	87.10	67.21
3585	2.93	87.22	67.35
3587	2.87	87.40	67.52
3589	2.89	87.55	67.66
3591	2.90	87.72	67.79
3593	2.89	87.80	67.94
3595	2.85	88.00	68.08
3597	2.87	88.12	68.25
3599	2.92	88.29	68.40
3601	2.86	88.43	68.55
3603	2.89	88.56	68.67
3605	2.87	88.72	68.83
3607	2.97	88.85	68.98
3609	2.92	89.00	69.10
3611	2.91	89.16	69.27
3613	2.90	89.32	69.42
3615	2.91	89.46	69.54
3617	2.88	89.61	69.68
3619	2.94	89.77	69.85
3621	2.94	89.86	69.98
3623	2.93	90.04	70.12
3625	2.95	90.17	70.24
3627	2.93	90.33	70.38
3629	2.90	90.41	70.52
3631	2.91	90.59	70.64
3633	2.90	90.70	70.77
3635	2.92	90.83	70.93
3637	2.94	90.98	71.08
3639	2.95	91.14	71.22
3641	2.91	91.27	71.38
3643	2.92	91.42	71.53
3645	2.93	91.56	71.66
3647	2.92	91.70	71.83
3649	2.96	91.84	71.96

3651	2.94	91.96	72.09
3653	2.88	92.13	72.22
3655	2.97	92.24	72.37
3657	2.82	92.40	72.51
3659	2.90	92.50	72.64
3661	2.83	92.65	72.76
3663	2.90	92.78	72.94
3665	2.93	92.93	73.08
3667	2.92	93.06	73.24
3669	2.84	93.18	73.35
3671	2.88	93.36	73.52
3673	2.86	93.48	73.64
3675	2.91	93.60	73.77
3677	2.85	93.70	73.90
3679	2.92	93.86	74.08
3681	2.84	93.99	74.16
3683	2.88	94.13	74.31
3685	2.93	94.26	74.46
3687	2.87	94.40	74.59
3689	2.91	94.52	74.72
3691	2.87	94.63	74.88
3693	2.89	94.79	75.00
3695	2.94	94.91	75.14
3697	2.83	95.06	75.28
3699	2.91	95.13	75.39
3701	2.96	95.29	75.54
3703	2.88	95.42	75.68
3705	2.90	95.52	75.79
3707	2.94	95.66	75.92
3709	2.93	95.79	76.06
3711	2.87	95.89	76.18
3713	2.93	96.05	76.31
3715	2.88	96.17	76.47
3717	2.88	96.31	76.59
3719	2.91	96.43	76.73
3721	2.84	96.55	76.86
3723	2.94	96.71	77.00
3725	2.86	96.81	77.12
3727	2.93	96.95	77.22
3729	2.88	97.06	77.36
3731	2.93	97.19	77.50
3733	2.95	97.31	77.61
3735	2.90	97.44	77.76
3737	2.88	97.54	77.88
3739	2.89	97.68	78.01
3741	2.90	97.81	78.12
3743	2.87	97.91	78.28

3745	2.86	98.05	78.41
3747	2.87	98.17	78.53
3749	2.86	98.33	78.66
3751	2.88	98.46	78.79
3753	2.85	98.59	78.93
3755	2.87	98.70	79.03
3757	2.87	98.84	79.18
3759	2.86	98.96	79.31
3761	2.92	99.08	79.47
3763	2.91	99.22	79.56
3765	2.88	99.33	79.70
3767	2.89	99.45	79.82
3769	2.89	99.58	79.96
3771	2.86	99.68	80.09
3773	2.89	99.77	80.19
3775	2.86	99.91	80.34
3777	2.86	100.03	80.45
3779	2.86	100.18	80.59
3781	2.88	100.29	80.71
3783	2.89	100.38	80.85
3785	2.89	100.50	80.91
3787	2.89	100.61	81.10
3789	2.86	100.74	81.21
3791	2.88	100.86	81.32
3793	2.87	100.97	81.47
3795	2.87	101.10	81.59
3797	2.89	101.20	81.71
3799	2.88	101.32	81.84
3801	2.87	101.43	81.96
3803	2.90	101.56	82.10
3805	2.90	101.69	82.21
3807	2.92	101.80	82.33
3809	2.91	101.89	82.49
3811	2.88	102.01	82.59
3813	2.89	102.13	82.71
3815	2.91	102.28	82.82
3817	2.89	102.35	82.98
3819	2.89	102.47	83.09
3821	2.91	102.60	83.20
3823	2.89	102.66	83.30
3825	2.92	102.81	83.43
3827	2.86	102.92	83.55
3829	2.86	102.99	83.65
3831	2.89	103.12	83.80
3833	2.83	103.22	83.88
3835	2.87	103.34	84.04
3837	2.89	103.46	84.18

3839	2.85	103.56	84.27
3841	2.85	103.70	84.40
3843	2.88	103.78	84.51
3845	2.89	103.91	84.67
3847	2.88	104.03	84.79
3849	2.89	104.13	84.88
3851	2.89	104.24	85.01
3853	2.87	104.33	85.12
3855	2.90	104.45	85.24
3857	2.88	104.58	85.39
3859	2.91	104.68	85.47
3861	2.90	104.76	85.62
3863	2.86	104.86	85.76
3865	2.88	104.96	85.85
3867	2.85	105.09	85.96
3869	2.90	105.18	86.07
3871	2.87	105.29	86.20
3873	2.87	105.40	86.33
3875	2.90	105.50	86.46
3877	2.88	105.59	86.55
3879	2.87	105.73	86.70
3881	2.89	105.84	86.81
3883	2.89	105.93	86.93
3885	2.89	106.02	87.02
3887	2.86	106.14	87.13
3889	2.88	106.24	87.25
3891	2.86	106.36	87.39
3893	2.92	106.46	87.51
3895	2.88	106.57	87.64
3897	2.89	106.64	87.78
3899	2.87	106.75	87.88
3901	2.92	106.87	88.00
3903	2.88	106.95	88.10
3905	2.86	107.04	88.21
3907	2.90	107.16	88.34
3909	2.90	107.27	88.47
3911	2.86	107.36	88.59
3913	2.89	107.45	88.66
3915	2.85	107.55	88.79
3917	2.90	107.67	88.89
3919	2.90	107.77	89.02
3921	2.87	107.85	89.13
3923	2.91	107.96	89.25
3925	2.90	108.06	89.37
3927	2.92	108.16	89.52
3929	2.88	108.25	89.60
3931	2.90	108.36	89.73

3933	2.88	108.46	89.84
3935	2.88	108.55	89.98
3937	2.90	108.64	90.09
3939	2.92	108.72	90.17
3941	2.88	108.84	90.32
3943	2.89	108.93	90.44
3945	2.88	109.00	90.53
3947	2.91	109.11	90.64
3949	2.90	109.21	90.73
3951	2.91	109.29	90.89
3953	2.90	109.39	91.00
3955	2.89	109.46	91.08
3957	2.88	109.55	91.21
3959	2.87	109.66	91.31
3961	2.92	109.73	91.43
3963	2.92	109.85	91.58
3965	2.90	109.92	91.66
3967	2.89	110.01	91.76
3969	2.92	110.11	91.88
3971	2.88	110.20	91.98
3973	2.89	110.29	92.08
3975	2.88	110.37	92.19
3977	2.88	110.47	92.33
3979	2.90	110.54	92.43
3981	2.90	110.63	92.53
3983	2.90	110.75	92.64
3985	2.88	110.85	92.78
3987	2.89	110.91	92.89
3989	2.92	111.01	92.97
3991	2.90	111.08	93.07
3993	2.89	111.16	93.21
3995	2.88	111.25	93.34
3997	2.87	111.35	93.41
3999	2.87	111.43	93.54
4001	2.88	111.52	93.67
4003	2.86	111.59	93.75
4005	2.91	111.68	93.87
4007	2.89	111.74	93.99
4009	2.91	111.84	94.09
4011	2.93	111.96	94.18
4013	2.85	112.00	94.28
4015	2.91	112.11	94.41
4017	2.88	112.19	94.52
4019	2.87	112.26	94.60
4021	2.88	112.31	94.69
4023	2.87	112.40	94.77
4025	2.86	112.53	94.93

4027	2.87	112.58	95.02
4029	2.85	112.67	95.13
4031	2.85	112.76	95.23
4033	2.86	112.85	95.33
4035	2.88	112.88	95.45
4037	2.89	112.99	95.57
4039	2.85	113.08	95.66
4041	2.88	113.18	95.77
4043	2.92	113.28	95.89
4045	2.86	113.32	95.97
4047	2.88	113.42	96.07
4049	2.87	113.48	96.18
4051	2.89	113.58	96.31
4053	2.88	113.69	96.39
4055	2.86	113.72	96.49
4057	2.86	113.82	96.64
4059	2.89	113.89	96.71
4061	2.87	114.00	96.81
4063	2.88	114.06	96.93
4065	2.90	114.16	97.05
4067	2.88	114.24	97.12
4069	2.87	114.31	97.24
4071	2.91	114.40	97.36
4073	2.87	114.44	97.43
4075	2.88	114.53	97.54
4077	2.87	114.60	97.64
4079	2.86	114.67	97.75
4081	2.87	114.72	97.86
4083	2.85	114.82	97.96
4085	2.87	114.90	98.04
4087	2.88	114.97	98.16
4089	2.87	115.03	98.26
4091	2.85	115.10	98.36
4093	2.86	115.19	98.45
4095	2.87	115.24	98.55
4097	2.86	115.33	98.64
4099	2.87	115.39	98.73
4101	2.91	115.47	98.83
4103	2.91	115.56	98.98
4105	2.87	115.60	99.05
4107	2.91	115.68	99.15
4109	2.92	115.79	99.26
4111	2.87	115.83	99.36
4113	2.88	115.91	99.43
4115	2.88	115.99	99.55
4117	2.89	116.06	99.66
4119	2.88	116.10	99.75

4121	2.86	116.18	99.84
4123	2.88	116.26	99.93
4125	2.90	116.33	100.07
4127	2.85	116.42	100.15
4129	2.88	116.47	100.22
4131	2.87	116.51	100.35
4133	2.87	116.59	100.40
4135	2.88	116.66	100.53
4137	2.87	116.73	100.62
4139	2.85	116.81	100.70
4141	2.88	116.87	100.81
4143	2.85	116.92	100.89
4145	2.84	117.00	101.01
4147	2.88	117.10	101.10
4149	2.88	117.14	101.21
4151	2.89	117.19	101.27
4153	2.89	117.28	101.36
4155	2.86	117.33	101.49
4157	2.88	117.40	101.59
4159	2.90	117.46	101.68
4161	2.88	117.54	101.76
4163	2.88	117.61	101.85
4165	2.86	117.68	101.95
4167	2.89	117.73	102.04
4169	2.84	117.82	102.16
4171	2.89	117.86	102.26
4173	2.90	117.94	102.35
4175	2.86	118.02	102.41
4177	2.88	118.06	102.48
4179	2.87	118.12	102.61
4181	2.88	118.22	102.70
4183	2.88	118.28	102.80
4185	2.86	118.35	102.89
4187	2.87	118.38	102.98
4189	2.91	118.46	103.06
4191	2.88	118.52	103.14
4193	2.87	118.60	103.23
4195	2.87	118.65	103.36
4197	2.87	118.75	103.46
4199	2.87	118.80	103.52
4201	2.86	118.84	103.62
4203	2.87	118.91	103.70
4205	2.86	118.96	103.76
4207	2.87	119.05	103.87
4209	2.86	119.09	103.94
4211	2.88	119.18	104.05
4213	2.90	119.23	104.12

4215	2.89	119.31	104.23
4217	2.89	119.35	104.31
4219	2.91	119.41	104.39
4221	2.93	119.45	104.48
4223	2.87	119.52	104.57
4225	2.85	119.58	104.69
4227	2.86	119.62	104.75
4229	2.87	119.68	104.82
4231	2.87	119.75	104.93
4233	2.87	119.82	105.02
4235	2.89	119.87	105.09
4237	2.87	119.93	105.18
4239	2.88	120.01	105.27
4241	2.87	120.07	105.35
4243	2.86	120.09	105.44
4245	2.89	120.20	105.52
4247	2.90	120.24	105.61
4249	2.90	120.31	105.72
4251	2.88	120.35	105.79
4253	2.90	120.44	105.90
4255	2.90	120.49	105.98
4257	2.86	120.54	106.02
4259	2.85	120.57	106.13
4261	2.90	120.64	106.23
4263	2.90	120.67	106.29
4265	2.85	120.74	106.38
4267	2.86	120.80	106.45
4269	2.91	120.85	106.53
4271	2.90	120.91	106.62
4273	2.89	120.97	106.72
4275	2.89	121.02	106.79
4277	2.88	121.09	106.88
4279	2.88	121.15	106.95
4281	2.86	121.21	107.02
4283	2.86	121.23	107.13
4285	2.88	121.31	107.20
4287	2.87	121.35	107.27
4289	2.88	121.43	107.37
4291	2.90	121.48	107.46
4293	2.87	121.53	107.53
4295	2.89	121.60	107.61
4297	2.93	121.65	107.70
4299	2.89	121.71	107.80
4301	2.88	121.75	107.87
4303	2.90	121.79	107.98
4305	2.89	121.81	108.32
4307	2.90	121.86	109.84

4309	2.90	121.96	111.10
4311	2.92	121.98	111.02
4313	2.91	122.03	110.93
4315	2.89	122.08	110.86
4317	2.93	122.14	110.83
4319	2.86	122.19	110.83
4321	2.90	122.24	110.86
4323	2.90	122.31	110.86
4325	2.91	122.35	110.86
4327	2.87	122.38	110.88
4329	2.89	122.43	110.86
4331	2.93	122.49	110.89
4333	2.88	122.54	110.89
4335	2.89	122.59	110.89
4337	2.87	122.63	110.87
4339	2.90	122.68	110.93
4341	2.91	122.73	110.91
4343	2.91	122.79	110.93
4345	2.88	122.83	110.92
4347	2.88	122.85	110.95
4349	2.86	122.92	110.95
4351	2.89	122.98	110.96
4353	2.88	122.99	110.97
4355	2.88	123.03	110.98
4357	2.88	123.08	111.00
4359	2.90	123.12	111.00
4361	2.90	123.15	111.02
4363	2.89	123.19	111.02
4365	2.89	123.26	111.06
4367	2.86	123.30	111.02
4369	2.91	123.36	111.07
4371	2.92	123.38	111.09
4373	2.90	123.40	111.06
4375	2.87	123.44	111.08
4377	2.92	123.50	111.07
4379	2.93	123.52	111.12
4381	2.90	123.56	111.14
4383	2.87	123.61	111.14
4385	2.87	123.62	111.22
4387	2.89	123.64	111.24
4389	2.89	123.71	111.27
4391	2.86	123.72	111.27
4393	2.89	123.74	111.28
4395	2.85	123.77	111.27
4397	2.87	123.81	111.29
4399	2.84	123.83	111.30
4401	2.87	123.88	111.29

4403	2.87	123.86	111.31
4405	2.87	123.90	111.32
4407	2.86	123.94	111.33
4409	2.88	123.96	111.32
4411	2.86	123.98	111.35
4413	2.89	124.00	111.34
4415	2.89	124.04	111.39
4417	2.87	124.06	111.40
4419	2.86	124.09	111.37
4421	2.86	124.10	111.39
4423	2.87	124.15	111.43
4425	2.86	124.16	111.43
4427	2.86	124.19	111.41
4429	2.87	124.23	111.45
4431	2.87	124.23	111.46
4433	2.88	124.26	111.48
4435	2.88	124.31	111.51
4437	2.85	124.32	111.52
4439	2.87	124.34	111.51
4441	2.87	124.35	111.52
4443	2.89	124.38	111.53
4445	2.84	124.42	111.53
4447	2.89	124.43	111.54
4449	2.88	124.48	111.60
4451	2.88	124.48	111.60
4453	2.85	124.51	111.60
4455	2.89	124.53	111.64
4457	2.89	124.56	111.63
4459	2.88	124.49	111.64
4461	2.86	124.04	111.63
4463	2.88	123.67	111.67
4465	2.86	123.25	111.67
4467	2.85	122.83	111.67
4469	2.86	122.42	111.68
4471	2.88	122.01	111.69
4473	2.89	121.62	111.69
4475	2.88	121.22	111.71
4477	2.87	120.86	111.72
4479	2.87	120.56	111.71
4481	2.89	120.28	111.71
4483	2.87	120.03	111.69
4485	2.85	119.87	111.73
4487	2.87	119.73	111.73
4489	2.86	119.60	111.74
4491	2.85	119.57	111.75
4493	2.87	119.51	111.73
4495	2.86	119.47	111.76

4497	2.86	119.41	111.79
4499	2.90	119.37	111.76
4501	2.91	119.31	111.76
4503	2.92	119.32	111.78
4505	2.87	119.25	111.79
4507	2.89	119.21	111.82
4509	2.88	119.17	111.80
4511	2.84	119.16	111.79
4513	2.89	119.15	111.82
4515	2.85	119.12	111.81
4517	2.86	119.10	111.81
4519	2.87	119.08	111.79
4521	2.84	119.05	111.82
4523	2.87	119.05	111.81
4525	2.86	119.03	111.80
4527	2.88	119.02	111.83
4529	2.87	119.03	111.81
4531	2.85	119.00	111.81
4533	2.85	119.02	111.83
4535	2.89	118.98	111.83
4537	2.85	118.98	111.84
4539	2.85	118.97	111.86
4541	2.87	118.98	111.87
4543	2.90	118.97	111.86
4545	2.86	118.99	111.88
4547	2.88	118.98	111.85
4549	2.86	118.95	111.88
4551	2.85	118.95	111.89
4553	2.86	118.93	111.86
4555	2.86	118.93	111.90
4557	2.84	118.92	111.91
4559	2.89	118.91	111.88
4561	2.86	118.87	111.89
4563	2.87	118.89	111.91
4565	2.88	118.87	111.89
4567	2.87	118.88	111.90
4569	2.86	118.89	111.92
4571	2.86	118.88	111.91
4573	2.86	118.89	111.89
4575	2.84	118.83	111.89
4577	2.84	118.83	111.92
4579	2.82	118.82	111.92
4581	2.85	118.81	111.93
4583	2.84	118.81	111.90
4585	2.86	118.80	111.92
4587	2.87	118.79	111.92
4589	2.84	118.82	111.94

4591	2.86	118.82	111.96
4593	2.85	118.79	111.97
4595	2.85	118.79	111.94
4597	2.88	118.81	111.97
4599	2.86	118.80	111.97
4601	2.87	118.78	111.98
4603	2.90	118.78	111.97
4605	2.85	118.79	111.98
4607	2.86	118.76	111.99
4609	2.88	118.77	111.97
4611	2.87	118.77	111.99
4613	2.88	118.74	112.02
4615	2.84	118.75	111.98
4617	2.88	118.76	112.03
4619	2.89	118.74	112.02
4621	2.88	118.74	112.02
4623	2.85	118.75	112.02
4625	2.87	118.74	112.03
4627	2.84	118.74	112.02
4629	2.87	118.72	112.03
4631	2.87	118.70	112.04
4633	2.88	118.70	112.03
4635	2.89	118.72	112.06
4637	2.88	118.70	112.04
4639	2.87	118.69	112.05
4641	2.87	118.68	112.03
4643	2.85	118.65	112.06
4645	2.85	118.66	112.02
4647	2.87	118.66	112.06
4649	2.88	118.65	112.05
4651	2.89	118.67	112.08
4653	2.84	118.65	112.05
4655	2.86	118.65	112.06
4657	2.84	118.61	112.06
4659	2.85	118.62	112.09
4661	2.84	118.64	112.06
4663	2.85	118.62	112.05
4665	2.85	118.62	112.11
4667	2.83	118.60	112.09
4669	2.88	118.59	112.07
4671	2.88	118.60	112.08
4673	2.87	118.61	112.08
4675	2.89	118.62	112.10
4677	2.87	118.61	112.09
4679	2.86	118.58	112.11
4681	2.88	118.57	112.10
4683	2.89	118.59	112.14

4685	2.87	118.57	112.15
4687	2.87	118.54	112.12
4689	2.85	118.57	112.15
4691	2.85	118.56	112.12
4693	2.85	118.52	112.12
4695	2.84	118.53	112.11
4697	2.85	118.53	112.13
4699	2.90	118.53	112.15
4701	2.82	118.51	112.15
4703	2.86	118.52	112.15
4705	2.86	118.53	112.16
4707	2.88	118.52	112.16
4709	2.87	118.52	112.18
4711	2.87	118.51	112.20
4713	2.87	118.51	112.18
4715	2.88	118.48	112.18
4717	2.88	118.47	112.18
4719	2.84	118.49	112.19
4721	2.88	118.47	112.19
4723	2.84	118.44	112.16
4725	2.84	118.45	112.17
4727	2.88	118.46	112.21
4729	2.86	118.45	112.18
4731	2.84	118.44	112.21
4733	2.83	118.45	112.21
4735	2.83	118.47	112.21
4737	2.89	118.45	112.23
4739	2.87	118.47	112.22
4741	2.87	118.44	112.22
4743	2.85	118.41	112.23
4745	2.85	118.43	112.23
4747	2.85	118.40	112.24
4749	2.88	118.41	112.22
4751	2.87	118.41	112.25
4753	2.90	118.41	112.25
4755	2.88	118.41	112.25
4757	2.87	118.39	112.25
4759	2.88	118.40	112.26
4761	2.84	118.39	112.24
4763	2.83	118.36	112.26
4765	2.86	118.36	112.27
4767	2.86	118.37	112.22
4769	2.85	118.36	112.27
4771	2.83	118.37	112.26
4773	2.87	118.37	112.28
4775	2.86	118.37	112.30
4777	2.87	118.35	112.29

4779	2.87	118.35	112.30
4781	2.86	118.33	112.29
4783	2.89	118.33	112.29
4785	2.84	118.29	112.28
4787	2.88	118.30	112.28
4789	2.87	118.34	112.31
4791	2.88	118.32	112.30
4793	2.85	118.33	112.29
4795	2.86	118.32	112.34
4797	2.89	118.33	112.33
4799	2.87	118.28	112.33
4801	2.86	118.27	112.32
4803	2.88	118.27	112.30
4805	2.87	118.28	112.32
4807	2.84	118.29	112.33
4809	2.86	118.25	112.33
4811	2.86	118.26	112.33
4813	2.86	118.26	112.34
4815	2.86	118.28	112.34
4817	2.87	118.27	112.37
4819	2.84	118.25	112.36
4821	2.86	118.24	112.35
4823	2.84	118.21	112.34
4825	2.87	118.23	112.36
4827	2.83	118.22	112.35
4829	2.88	118.24	112.35
4831	2.89	118.22	112.38
4833	2.88	118.22	112.37
4835	2.88	118.23	112.39
4837	2.85	118.20	112.37
4839	2.84	118.19	112.37
4841	2.83	118.19	112.38
4843	2.84	118.19	112.38
4845	2.83	118.20	112.37
4847	2.82	118.18	112.38
4849	2.86	118.18	112.38
4851	2.89	118.18	112.41
4853	2.91	118.17	112.41
4855	2.89	118.17	112.40
4857	2.86	118.14	112.41
4859	2.89	118.15	112.40
4861	2.85	118.16	112.42
4863	2.82	118.14	112.42
4865	2.86	118.13	112.40
4867	2.83	118.11	112.40
4869	2.86	118.13	112.39
4871	2.86	118.12	112.44

4873	2.87	118.13	112.43
4875	2.89	118.14	112.40
4877	2.85	118.14	112.40
4879	2.88	118.10	112.42
4881	2.87	118.10	112.41
4883	2.85	118.08	112.41
4885	2.85	118.08	112.40
4887	2.86	118.07	112.41
4889	2.82	118.08	112.44
4891	2.88	118.09	112.45
4893	2.86	118.11	112.41
4895	2.88	118.09	112.43
4897	2.90	118.08	112.42
4899	2.87	118.08	112.43
4901	2.84	118.07	112.38
4903	2.86	118.08	112.42
4905	2.86	118.05	112.41
4907	2.86	118.08	112.45
4909	2.84	118.07	112.44
4911	2.88	118.07	112.44
4913	2.87	118.06	112.44
4915	2.84	118.08	112.44
4917	2.89	118.08	112.48
4919	2.84	118.06	112.44
4921	2.88	118.03	112.44
4923	2.85	118.04	112.43
4925	2.86	118.01	112.47
4927	2.85	118.00	112.44
4929	2.82	118.01	112.47
4931	2.84	118.02	112.44
4933	2.82	117.99	112.46
4935	2.87	118.01	112.50
4937	2.88	118.01	112.46
4939	2.88	118.01	112.51
4941	2.86	118.00	112.49
4943	2.88	118.01	112.50
4945	2.88	117.99	112.47
4947	2.83	117.98	112.46
4949	2.87	117.99	112.46
4951	2.85	117.98	112.48
4953	2.82	117.98	112.48
4955	2.82	117.96	112.48
4957	2.84	117.98	112.51
4959	2.86	117.98	112.49
4961	2.88	117.99	112.48
4963	2.87	117.95	112.50
4965	2.86	117.94	112.51

4967	2.87	117.94	112.51
4969	2.85	117.94	112.51
4971	2.84	117.93	112.51
4973	2.86	117.94	112.48
4975	2.82	117.92	112.51
4977	2.87	117.92	112.49
4979	2.87	117.93	112.49
4981	2.90	117.93	112.52
4983	2.87	117.94	112.52
4985	2.86	117.94	112.52
4987	2.89	117.93	112.53
4989	2.86	117.93	112.55
4991	2.86	117.90	112.55
4993	2.85	117.90	112.52
4995	2.84	117.90	112.54
4997	2.85	117.92	112.55
4999	2.82	117.85	112.52
5001	2.83	117.86	112.52
5003	2.87	117.87	112.53
5005	2.83	117.86	112.53
5007	2.84	117.87	112.53
5009	2.85	117.85	112.53
5011	2.85	117.86	112.54
5013	2.87	117.89	112.56
5015	2.89	117.85	112.57
5017	2.86	117.88	112.56
5019	2.89	117.86	112.56
5021	2.90	117.87	112.55
5023	2.84	117.84	112.58
5025	2.90	117.85	112.57
5027	2.85	117.85	112.56
5029	2.85	117.84	112.58
5031	2.87	117.84	112.55
5033	2.83	117.83	112.58
5035	2.85	117.83	112.58
5037	2.86	117.83	112.56
5039	2.86	117.82	112.58
5041	2.87	117.82	112.57
5043	2.86	117.80	112.55
5045	2.85	117.79	112.57
5047	2.87	117.79	112.57
5049	2.83	117.80	112.59
5051	2.89	117.78	112.59
5053	2.90	117.79	112.57
5055	2.87	117.78	112.58
5057	2.89	117.77	112.59
5059	2.85	117.77	112.61

5061	2.82	117.77	112.57
5063	2.88	117.77	112.59
5065	2.88	117.77	112.58
5067	2.86	117.77	112.60
5069	2.87	117.75	112.60
5071	2.84	117.76	112.61
5073	2.85	117.75	112.59
5075	2.89	117.75	112.61
5077	2.88	117.74	112.59
5079	2.86	117.75	112.59
5081	2.88	117.75	112.60
5083	2.85	117.76	112.60
5085	2.84	117.73	112.59
5087	2.84	117.73	112.60
5089	2.86	117.73	112.59
5091	2.87	117.73	112.62
5093	2.88	117.71	112.61
5095	2.86	117.71	112.60
5097	2.84	117.68	112.61
5099	2.85	117.70	112.61
5101	2.84	117.69	112.62
5103	2.85	117.70	112.60
5105	2.86	117.67	112.62
5107	2.81	117.67	112.61
5109	2.85	117.68	112.58
5111	2.82	117.67	112.63
5113	2.88	117.67	112.64
5115	2.84	117.67	112.61
5117	2.83	117.65	112.62
5119	2.83	117.64	112.61
5121	2.90	117.65	112.61
5123	2.84	117.66	112.64
5125	2.86	117.66	112.64
5127	2.84	117.63	112.62
5129	2.89	117.65	112.64
5131	2.88	117.65	112.66
5133	2.84	117.63	112.62
5135	2.87	117.63	112.64
5137	2.85	117.66	112.63
5139	2.84	117.64	112.64
5141	2.84	117.60	112.63
5143	2.84	117.61	112.65
5145	2.86	117.61	112.62
5147	2.86	117.62	112.66
5149	2.85	117.61	112.65
5151	2.85	117.59	112.63
5153	2.88	117.60	112.66

5155	2.87	117.61	112.63
5157	2.89	117.60	112.65
5159	2.89	117.61	112.67
5161	2.85	117.58	112.63
5163	2.86	117.59	112.67
5165	2.90	117.58	112.66
5167	2.85	117.59	112.66
5169	2.87	117.57	112.67
5171	2.81	117.57	112.65
5173	2.84	117.58	112.66
5175	2.87	117.57	112.67
5177	2.85	117.55	112.64
5179	2.87	117.57	112.65
5181	2.83	117.55	112.65
5183	2.84	117.54	112.68
5185	2.87	117.54	112.68
5187	2.86	117.53	112.69
5189	2.85	117.54	112.68
5191	2.85	117.53	112.69
5193	2.85	117.56	112.67
5195	2.88	117.53	112.68
5197	2.85	117.54	112.68
5199	2.87	117.50	112.69
5201	2.84	117.52	112.69
5203	2.86	117.53	112.68
5205	2.85	117.54	112.69
5207	2.87	117.51	112.69
5209	2.85	117.50	112.68
5211	2.80	117.47	112.66
5213	2.87	117.51	112.66
5215	2.83	117.51	112.70
5217	2.84	117.48	112.69
5219	2.82	117.48	112.68
5221	2.86	117.48	112.70
5223	2.84	117.49	112.69
5225	2.86	117.47	112.68
5227	2.82	117.46	112.66
5229	2.83	117.44	112.67
5231	2.85	117.45	112.67
5233	2.85	117.47	112.68
5235	2.85	117.47	112.68
5237	2.89	117.47	112.72
5239	2.87	117.46	112.73
5241	2.84	117.46	112.71
5243	2.86	117.45	112.71
5245	2.87	117.47	112.70
5247	2.89	117.45	112.73

5249	2.84	117.44	112.69
5251	2.87	117.43	112.73
5253	2.87	117.44	112.69
5255	2.87	117.44	112.69
5257	2.84	117.40	112.69
5259	2.84	117.42	112.68
5261	2.81	117.42	112.71
5263	2.82	117.40	112.71
5265	2.84	117.39	112.74
5267	2.85	117.40	112.75
5269	2.87	117.37	112.71
5271	2.84	117.38	112.70
5273	2.84	117.37	112.72
5275	2.88	117.40	112.74
5277	2.81	117.38	112.70
5279	2.83	117.36	112.71
5281	2.82	117.36	112.70
5283	2.85	117.35	112.72
5285	2.86	117.36	112.72
5287	2.86	117.37	112.74
5289	2.82	117.34	112.72
5291	2.83	117.33	112.73
5293	2.86	117.34	112.73
5295	2.82	117.35	112.72
5297	2.87	117.34	112.73
5299	2.84	117.34	112.71
5301	2.84	117.34	112.71
5303	2.83	117.33	112.71
5305	2.84	117.33	112.74
5307	2.85	117.32	112.74
5309	2.84	117.33	112.74
5311	2.86	117.33	112.73
5313	2.89	117.31	112.75
5315	2.85	117.34	112.76
5317	2.85	117.33	112.75
5319	2.86	117.30	112.75
5321	2.83	117.31	112.74
5323	2.86	117.30	112.74
5325	2.87	117.30	112.75
5327	2.86	117.31	112.74
5329	2.85	117.29	112.76
5331	2.86	117.29	112.73
5333	2.83	117.29	112.72
5335	2.84	117.29	112.73
5337	2.84	117.31	112.77
5339	2.85	117.30	112.77
5341	2.85	117.27	112.74

5343	2.85	117.26	112.75
5345	2.83	117.28	112.74
5347	2.83	117.27	112.76
5349	2.81	117.26	112.74
5351	2.86	117.26	112.76
5353	2.82	117.26	112.74
5355	2.86	117.26	112.76
5357	2.82	117.23	112.75
5359	2.85	117.27	112.76
5361	2.82	117.24	112.75
5363	2.83	117.25	112.76
5365	2.84	117.23	112.74
5367	2.81	117.22	112.76
5369	2.84	117.23	112.77
5371	2.83	117.24	112.77
5373	2.82	117.23	112.79
5375	2.82	117.20	112.74
5377	2.85	117.21	112.75
5379	2.87	117.23	112.76
5381	2.81	117.22	112.76
5383	2.85	117.21	112.79
5385	2.83	117.21	112.77
5387	2.83	117.22	112.78
5389	2.83	117.21	112.78
5391	2.83	117.19	112.78
5393	2.84	117.21	112.75
5395	2.82	117.20	112.80
5397	2.86	117.21	112.76
5399	2.83	117.19	112.76
5401	2.86	117.18	112.78
5403	2.86	117.19	112.80
5405	2.86	117.19	112.80
5407	2.85	117.19	112.81
5409	2.86	117.17	112.80
5411	2.85	117.16	112.79
5413	2.86	117.18	112.82
5415	2.88	117.19	112.80
5417	2.88	117.15	112.83
5419	2.83	117.16	112.78
5421	2.89	117.17	112.81
5423	2.87	117.15	112.80
5425	2.88	117.15	112.81
5427	2.86	117.16	112.80
5429	2.84	117.14	112.78
5431	2.85	117.12	112.79
5433	2.83	117.12	112.78
5435	2.85	117.12	112.78

5437	2.85	117.11	112.79
5439	2.88	117.12	112.79
5441	2.83	117.11	112.81
5443	2.86	117.12	112.77
5445	2.87	117.11	112.80
5447	2.86	117.14	112.81
5449	2.89	117.11	112.81
5451	2.86	117.10	112.81
5453	2.86	117.11	112.80
5455	2.90	117.12	112.80
5457	2.83	117.08	112.84
5459	2.84	117.07	112.78
5461	2.86	117.06	112.79
5463	2.84	117.07	112.79
5465	2.85	117.07	112.81
5467	2.85	117.08	112.79
5469	2.84	117.05	112.81
5471	2.86	117.04	112.78
5473	2.82	117.05	112.79
5475	2.85	117.05	112.78
5477	2.85	117.05	112.82
5479	2.83	117.07	112.82
5481	2.85	117.06	112.81
5483	2.89	117.06	112.83
5485	2.83	117.04	112.81
5487	2.87	117.05	112.81
5489	2.86	117.05	112.83
5491	2.84	117.02	112.82
5493	2.88	117.00	112.83
5495	2.83	117.02	112.85
5497	2.86	117.02	112.81
5499	2.89	117.02	112.81
5501	2.85	117.02	112.81
5503	2.84	117.01	112.82
5505	2.84	117.00	112.85
5507	2.85	116.99	112.81
5509	2.86	117.00	112.84
5511	2.87	116.99	112.80
5513	2.85	117.01	112.81
5515	2.85	116.99	112.83
5517	2.88	117.00	112.84
5519	2.89	117.00	112.83
5521	2.85	116.98	112.84
5523	2.89	116.97	112.83
5525	2.85	117.00	112.85
5527	2.87	116.99	112.83
5529	2.86	116.97	112.82

5531	2.85	116.98	112.81
5533	2.84	116.96	112.80
5535	2.85	116.97	112.83
5537	2.88	116.97	112.81
5539	2.84	116.95	112.80
5541	2.86	116.93	112.82
5543	2.86	116.96	112.79
5545	2.86	116.90	112.82
5547	2.84	116.94	112.83
5549	2.83	116.93	112.80
5551	2.83	116.92	112.83
5553	2.85	116.94	112.84
5555	2.88	116.90	112.84
5557	2.84	116.89	112.82
5559	2.85	116.92	112.81
5561	2.85	116.91	112.83
5563	2.85	116.90	112.80
5565	2.82	116.90	112.78
5567	2.85	116.90	112.82
5569	2.87	116.89	112.81
5571	2.85	116.90	112.82
5573	2.86	116.87	112.82
5575	2.86	116.87	112.83
5577	2.86	116.88	112.83
5579	2.84	116.87	112.83
5581	2.84	116.86	112.81
5583	2.85	116.88	112.83
5585	2.88	116.88	112.86
5587	2.87	116.88	112.83
5589	2.88	116.88	112.85
5591	2.85	116.87	112.82
5593	2.88	116.86	112.83
5595	2.86	116.87	112.83
5597	2.87	116.86	112.85
5599	2.86	116.87	112.85
5601	2.85	116.85	112.83
5603	2.85	116.86	112.84
5605	2.87	116.86	112.83
5607	2.83	116.85	112.84
5609	2.86	116.85	112.83
5611	2.86	116.85	112.81
5613	2.83	116.85	112.82
5615	2.88	116.84	112.84
5617	2.87	116.85	112.83
5619	2.87	116.84	112.82
5621	2.86	116.80	112.81
5623	2.83	116.81	112.82

5625	2.87	116.81	112.81
5627	2.84	116.82	112.84
5629	2.87	116.81	112.81
5631	2.88	116.79	112.82
5633	2.86	116.79	112.82
5635	2.88	116.82	112.85
5637	2.89	116.81	112.84
5639	2.85	116.80	112.85
5641	2.85	116.77	112.84
5643	2.85	116.78	112.83
5645	2.86	116.77	112.82
5647	2.88	116.81	112.83
5649	2.88	116.78	112.83
5651	2.88	116.78	112.86
5653	2.84	116.77	112.82
5655	2.88	116.77	112.84
5657	2.87	116.75	112.83
5659	2.84	116.76	112.83
5661	2.86	116.75	112.81
5663	2.85	116.75	112.81
5665	2.85	116.76	112.80
5667	2.83	116.71	112.79
5669	2.85	116.74	112.80
5671	2.84	116.73	112.81
5673	2.84	116.71	112.80
5675	2.84	116.75	112.84
5677	2.90	116.72	112.84
5679	2.82	116.74	112.80
5681	2.89	116.73	112.84
5683	2.85	116.71	112.81
5685	2.87	116.73	112.85
5687	2.89	116.72	112.82
5689	2.84	116.73	112.82
5691	2.82	116.70	112.81
5693	2.84	116.68	112.81
5695	2.86	116.70	112.82
5697	2.81	116.69	112.82
5699	2.81	116.67	112.80
5701	2.84	116.67	112.81
5703	2.82	116.65	112.78
5705	2.86	116.68	112.79
5707	2.82	116.68	112.84
5709	2.87	116.70	112.83
5711	2.85	116.67	112.82
5713	2.84	116.65	112.83
5715	2.86	116.67	112.82
5717	2.86	116.64	112.79

5719	2.86	116.67	112.81
5721	2.86	116.63	112.83
5723	2.82	116.63	112.79
5725	2.85	116.66	112.81
5727	2.85	116.65	112.79
5729	2.83	116.63	112.81
5731	2.83	116.64	112.80
5733	2.87	116.63	112.81
5735	2.86	116.64	112.82
5737	2.87	116.64	112.83
5739	2.86	116.62	112.81
5741	2.87	116.62	112.79
5743	2.85	116.61	112.81
5745	2.87	116.60	112.83
5747	2.82	116.60	112.79
5749	2.85	116.58	112.79
5751	2.83	116.58	112.81
5753	2.82	116.60	112.81
5755	2.89	116.61	112.79
5757	2.85	116.59	112.78
5759	2.85	116.59	112.82
5761	2.83	116.59	112.82
5763	2.85	116.58	112.82
5765	2.87	116.58	112.84
5767	2.84	116.58	112.80
5769	2.89	116.57	112.82
5771	2.82	116.57	112.82
5773	2.86	116.58	112.81
5775	2.87	116.55	112.81
5777	2.84	116.57	112.81
5779	2.85	116.57	112.80
5781	2.85	116.53	112.82
5783	2.85	116.55	112.78
5785	2.83	116.55	112.80
5787	2.84	116.53	112.81
5789	2.84	116.56	112.80
5791	2.84	116.52	112.80
5793	2.82	116.51	112.79
5795	2.85	116.52	112.81
5797	2.83	116.54	112.80
5799	2.84	116.54	112.78
5801	2.86	116.54	112.79
5803	2.84	116.51	112.79
5805	2.86	116.50	112.81
5807	2.82	116.52	112.81
5809	2.84	116.51	112.79
5811	2.87	116.49	112.80

5813	2.84	116.51	112.79
5815	2.87	116.48	112.82
5817	2.84	116.49	112.80
5819	2.84	116.50	112.76
5821	2.84	116.48	112.82
5823	2.84	116.46	112.80
5825	2.83	116.48	112.80
5827	2.81	116.50	112.79
5829	2.85	116.48	112.80
5831	2.83	116.46	112.82
5833	2.83	116.46	112.78
5835	2.85	116.46	112.80
5837	2.88	116.48	112.82
5839	2.83	116.49	112.80
5841	2.85	116.47	112.79
5843	2.85	116.46	112.78
5845	2.83	116.46	112.79
5847	2.87	116.47	112.82
5849	2.82	116.46	112.81
5851	2.86	116.45	112.80
5853	2.84	116.45	112.81
5855	2.84	116.45	112.79
5857	2.86	116.46	112.81
5859	2.86	116.45	112.79
5861	2.85	116.44	112.80
5863	2.86	116.42	112.80
5865	2.88	116.42	112.81
5867	2.82	116.43	112.79
5869	2.84	116.40	112.80
5871	2.81	116.41	112.77
5873	2.84	116.42	112.80
5875	2.86	116.41	112.77
5877	2.87	116.41	112.79
5879	2.82	116.43	112.82
5881	2.83	116.38	112.77
5883	2.80	116.38	112.79
5885	2.83	116.38	112.77
5887	2.87	116.39	112.81
5889	2.86	116.37	112.78
5891	2.80	116.37	112.80
5893	2.83	116.35	112.76
5895	2.82	116.38	112.78
5897	2.88	116.36	112.80
5899	2.84	116.38	112.80
5901	2.88	116.37	112.78
5903	2.86	116.36	112.80
5905	2.87	116.37	112.81

5907	2.87	116.37	112.80
5909	2.85	116.35	112.81
5911	2.83	116.36	112.79
5913	2.86	116.35	112.80
5915	2.87	116.35	112.80
5917	2.86	116.34	112.81
5919	2.86	116.35	112.80
5921	2.85	116.33	112.79
5923	2.86	116.34	112.80
5925	2.86	116.36	112.82
5927	2.87	116.36	112.79
5929	2.84	116.31	112.81
5931	2.87	116.32	112.78
5933	2.85	116.29	112.78
5935	2.84	116.30	112.76
5937	2.86	116.31	112.79
5939	2.85	116.31	112.75
5941	2.83	116.29	112.77
5943	2.85	116.28	112.79
5945	2.83	116.29	112.77
5947	2.86	116.28	112.80
5949	2.87	116.29	112.81
5951	2.83	116.28	112.77
5953	2.82	116.29	112.77
5955	2.83	116.28	112.79
5957	2.87	116.29	112.78
5959	2.85	116.29	112.78
5961	2.87	116.25	112.78
5963	2.85	116.26	112.77
5965	2.87	116.27	112.76
5967	2.84	116.27	112.78
5969	2.85	116.25	112.77
5971	2.82	116.24	112.76
5973	2.85	116.22	112.77
5975	2.84	116.24	112.77
5977	2.85	116.25	112.79
5979	2.83	116.23	112.78
5981	2.87	116.22	112.78
5983	2.85	116.21	112.76
5985	2.88	116.25	112.80
5987	2.88	116.26	112.81
5989	2.88	116.23	112.80
5991	2.86	116.23	112.78
5993	2.86	116.23	112.79
5995	2.84	116.22	112.78
5997	2.85	116.21	112.78
5999	2.85	116.21	112.78

6001	2.84	116.19	112.75
6003	2.82	116.20	112.77
6005	2.82	116.18	112.77
6007	2.86	116.19	112.76
6009	2.86	116.19	112.76
6011	2.83	116.18	112.77
6013	2.87	116.19	112.77
6015	2.84	116.17	112.79
6017	2.89	116.17	112.79
6019	2.87	116.18	112.79
6021	2.89	116.17	112.78
6023	2.86	116.18	112.79
6025	2.84	116.17	112.76
6027	2.85	116.16	112.78
6029	2.84	116.17	112.76
6031	2.85	116.15	112.77
6033	2.84	116.15	112.77
6035	2.84	116.14	112.78
6037	2.82	116.14	112.78
6039	2.85	116.16	112.79
6041	2.88	116.14	112.81
6043	2.85	116.14	112.79
6045	2.88	116.13	112.78
6047	2.85	116.13	112.78
6049	2.86	116.15	112.77
6051	2.85	116.15	112.78
6053	2.88	116.14	112.79
6055	2.88	116.12	112.78
6057	2.83	116.11	112.79
6059	2.88	116.12	112.76
6061	2.87	116.13	112.79
6063	2.89	116.10	112.79
6065	2.84	116.10	112.80
6067	2.90	116.12	112.78
6069	2.84	116.10	112.80
6071	2.88	116.12	112.79
6073	2.89	116.10	112.78
6075	2.86	116.10	112.77
6077	2.83	116.08	112.78
6079	2.86	116.09	112.80
6081	2.86	116.08	112.78
6083	2.86	116.11	112.80
6085	2.86	116.07	112.82
6087	2.86	116.09	112.78
6089	2.84	116.08	112.79
6091	2.90	116.09	112.78
6093	2.88	116.07	112.78

6095	2.87	116.06	112.80
6097	2.84	116.07	112.79
6099	2.88	116.06	112.79
6101	2.88	116.05	112.79
6103	2.87	116.04	112.80
6105	2.84	116.04	112.76
6107	2.86	116.07	112.78
6109	2.87	116.05	112.78
6111	2.86	116.06	112.81
6113	2.87	116.04	112.79
6115	2.84	116.04	112.78
6117	2.84	116.01	112.75
6119	2.85	116.01	112.79
6121	2.89	116.02	112.82
6123	2.88	116.02	112.77
6125	2.87	116.01	112.78
6127	2.84	116.00	112.80
6129	2.83	116.01	112.80
6131	2.84	116.00	112.78
6133	2.86	116.01	112.77
6135	2.86	115.98	112.77
6137	2.84	116.00	112.77
6139	2.88	115.99	112.77
6141	2.84	115.99	112.78
6143	2.84	115.97	112.77
6145	2.84	115.96	112.77
6147	2.85	115.95	112.77
6149	2.86	115.97	112.78
6151	2.87	115.98	112.75
6153	2.86	115.95	112.77
6155	2.81	115.95	112.76
6157	2.83	115.95	112.78
6159	2.85	115.95	112.76
6161	2.83	115.95	112.78
6163	2.84	115.95	112.79
6165	2.82	115.96	112.78
6167	2.85	115.93	112.76
6169	2.83	115.94	112.77
6171	2.86	115.93	112.80
6173	2.86	115.92	112.78
6175	2.84	115.92	112.78
6177	2.85	115.92	112.79
6179	2.86	115.93	112.79
6181	2.87	115.93	112.78
6183	2.87	115.92	112.79
6185	2.85	115.92	112.80
6187	2.86	115.90	112.75

6189	2.81	115.92	112.78
6191	2.85	115.90	112.78
6193	2.87	115.90	112.79
6195	2.82	115.89	112.79
6197	2.85	115.88	112.76
6199	2.88	115.89	112.78
6201	2.82	115.90	112.79
6203	2.83	115.88	112.78
6205	2.87	115.91	112.78
6207	2.86	115.89	112.78
6209	2.86	115.89	112.78
6211	2.87	115.87	112.78
6213	2.88	115.88	112.77
6215	2.88	115.88	112.81
6217	2.85	115.87	112.79
6219	2.85	115.86	112.76
6221	2.86	115.88	112.78
6223	2.85	115.85	112.78
6225	2.86	115.85	112.75
6227	2.83	115.84	112.78
6229	2.82	115.84	112.77
6231	2.85	115.85	112.76
6233	2.83	115.84	112.81
6235	2.82	115.83	112.76
6237	2.84	115.85	112.76
6239	2.85	115.82	112.77
6241	2.85	115.82	112.76
6243	2.84	115.86	112.82
6245	2.88	115.84	112.77
6247	2.86	115.82	112.79
6249	2.83	115.82	112.78
6251	2.90	115.86	112.80
6253	2.87	115.83	112.81
6255	2.84	115.83	112.76
6257	2.86	115.82	112.75
6259	2.85	115.80	112.77
6261	2.85	115.81	112.76
6263	2.86	115.81	112.78
6265	2.83	115.77	112.77
6267	2.84	115.77	112.77
6269	2.85	115.79	112.77
6271	2.83	115.78	112.75
6273	2.87	115.79	112.75
6275	2.81	115.76	112.76
6277	2.80	115.75	112.75
6279	2.82	115.76	112.76
6281	2.85	115.78	112.76

6283	2.86	115.77	112.78
6285	2.87	115.76	112.77
6287	2.83	115.77	112.78
6289	2.85	115.75	112.79
6291	2.85	115.78	112.79
6293	2.87	115.76	112.77
6295	2.86	115.74	112.78
6297	2.82	115.75	112.77
6299	2.85	115.72	112.77
6301	2.88	115.74	112.75
6303	2.87	115.73	112.79
6305	2.84	115.74	112.77
6307	2.82	115.71	112.76
6309	2.88	115.74	112.76
6311	2.92	115.73	112.77
6313	2.83	115.71	112.76
6315	2.86	115.70	112.77
6317	2.86	115.70	112.77
6319	2.88	115.72	112.80
6321	2.88	115.73	112.80
6323	2.86	115.70	112.76
6325	2.87	115.70	112.77
6327	2.86	115.72	112.79
6329	2.88	115.71	112.78
6331	2.88	115.69	112.78
6333	2.86	115.69	112.76
6335	2.90	115.68	112.77
6337	2.87	115.67	112.77
6339	2.88	115.69	112.78
6341	2.86	115.67	112.79
6343	2.84	115.66	112.77
6345	2.86	115.68	112.78
6347	2.86	115.67	112.77
6349	2.82	115.65	112.78
6351	2.85	115.66	112.76
6353	2.88	115.65	112.78
6355	2.87	115.65	112.77
6357	2.90	115.63	112.76
6359	2.83	115.63	112.76
6361	2.82	115.62	112.75
6363	2.85	115.62	112.77
6365	2.81	115.63	112.76
6367	2.84	115.61	112.77
6369	2.85	115.61	112.74
6371	2.83	115.62	112.73
6373	2.83	115.60	112.76
6375	2.83	115.61	112.76

6377	2.82	115.59	112.74
6379	2.86	115.61	112.76
6381	2.85	115.60	112.74
6383	2.90	115.63	112.77
6385	2.87	115.60	112.77
6387	2.86	115.59	112.77
6389	2.86	115.60	112.76
6391	2.86	115.60	112.76
6393	2.88	115.61	112.77
6395	2.86	115.59	112.77
6397	2.84	115.57	112.73
6399	2.87	115.59	112.77
6401	2.88	115.60	112.75
6403	2.85	115.57	112.73
6405	2.86	115.56	112.74
6407	2.88	115.56	112.75
6409	2.86	115.55	112.75
6411	2.82	115.55	112.76
6413	2.85	115.54	112.73
6415	2.83	115.55	112.74
6417	2.82	115.56	112.75
6419	2.86	115.56	112.77
6421	2.83	115.51	112.74
6423	2.82	115.51	112.71
6425	2.87	115.55	112.74
6427	2.86	115.53	112.76
6429	2.87	115.52	112.74
6431	2.85	115.52	112.73
6433	2.83	115.51	112.76
6435	2.83	115.54	112.74
6437	2.87	115.51	112.74
6439	2.84	115.53	112.76
6441	2.83	115.52	112.75
6443	2.84	115.52	112.74
6445	2.87	115.50	112.74
6447	2.85	115.51	112.76
6449	2.86	115.50	112.76
6451	2.86	115.52	112.76
6453	2.84	115.49	112.76
6455	2.85	115.48	112.76
6457	2.84	115.48	112.75
6459	2.87	115.51	112.76
6461	2.84	115.48	112.74
6463	2.83	115.45	112.72
6465	2.84	115.47	112.72
6467	2.84	115.46	112.71
6469	2.81	115.46	112.73

6471	2.86	115.48	112.73
6473	2.84	115.43	112.73
6475	2.81	115.43	112.72
6477	2.82	115.43	112.71
6479	2.84	115.42	112.73
6481	2.84	115.44	112.74
6483	2.83	115.47	112.73
6485	2.84	115.45	112.71
6487	2.83	115.44	112.70
6489	2.87	115.42	112.73
6491	2.87	115.44	112.74
6493	2.85	115.44	112.74
6495	2.83	115.43	112.72
6497	2.89	115.44	112.76
6499	2.83	115.43	112.72
6501	2.82	115.41	112.74
6503	2.84	115.42	112.72
6505	2.84	115.42	112.74
6507	2.86	115.42	112.75
6509	2.83	115.43	112.74
6511	2.83	115.40	112.72
6513	2.85	115.40	112.74
6515	2.84	115.42	112.75
6517	2.87	115.40	112.75
6519	2.86	115.37	112.73
6521	2.81	115.39	112.71
6523	2.85	115.38	112.75
6525	2.86	115.38	112.73
6527	2.85	115.38	112.73
6529	2.85	115.35	112.73
6531	2.84	115.36	112.73
6533	2.84	115.37	112.71
6535	2.86	115.34	112.72
6537	2.83	115.37	112.71
6539	2.82	115.34	112.71
6541	2.83	115.36	112.73
6543	2.85	115.36	112.72
6545	2.85	115.36	112.73
6547	2.84	115.34	112.72
6549	2.86	115.32	112.73
6551	2.85	115.35	112.73
6553	2.84	115.33	112.72
6555	2.83	115.31	112.71
6557	2.84	115.31	112.72
6559	2.87	115.34	112.73
6561	2.87	115.33	112.74
6563	2.87	115.33	112.74

6565	2.87	115.31	112.73
6567	2.84	115.32	112.71
6569	2.85	115.31	112.74
6571	2.88	115.31	112.72
6573	2.90	115.31	112.75
6575	2.85	115.28	112.74
6577	2.87	115.29	112.73
6579	2.85	115.29	112.71
6581	2.84	115.29	112.74
6583	2.85	115.31	112.74
6585	2.86	115.28	112.72
6587	2.89	115.31	112.74
6589	2.85	115.30	112.73
6591	2.85	115.30	112.73
6593	2.78	115.26	112.72
6595	2.87	115.26	112.71
6597	2.85	115.26	112.70
6599	2.80	115.27	112.73
6601	2.85	115.24	112.71
6603	2.85	115.23	112.72
6605	2.84	115.25	112.68
6607	2.87	115.25	112.71
6609	2.84	115.26	112.71
6611	2.86	115.24	112.70
6613	2.88	115.24	112.71
6615	2.88	115.22	112.70
6617	2.85	115.25	112.70
6619	2.85	115.25	112.70
6621	2.87	115.23	112.72
6623	2.86	115.22	112.73
6625	2.87	115.24	112.70
6627	2.86	115.22	112.71
6629	2.89	115.22	112.72
6631	2.88	115.23	112.71
6633	2.87	115.21	112.70
6635	2.86	115.19	112.70
6637	2.85	115.18	112.71
6639	2.85	115.22	112.72
6641	2.89	115.21	112.70
6643	2.88	115.20	112.73
6645	2.85	115.18	112.68
6647	2.87	115.20	112.67
6649	2.83	115.18	112.71
6651	2.86	115.19	112.72
6653	2.82	115.17	112.70
6655	2.81	115.17	112.72
6657	2.81	115.16	112.67

6659	2.87	115.16	112.71
6661	2.81	115.17	112.69
6663	2.82	115.14	112.70
6665	2.82	115.15	112.66
6667	2.85	115.17	112.70
6669	2.89	115.17	112.70
6671	2.82	115.16	112.68
6673	2.84	115.12	112.70
6675	2.84	115.16	112.69
6677	2.87	115.16	112.70
6679	2.89	115.13	112.69
6681	2.85	115.15	112.70
6683	2.87	115.14	112.69
6685	2.88	115.14	112.70
6687	2.86	115.16	112.70
6689	2.88	115.13	112.68
6691	2.83	115.14	112.69
6693	2.86	115.14	112.69
6695	2.86	115.14	112.69
6697	2.85	115.13	112.69
6699	2.85	115.13	112.68
6701	2.87	115.07	112.67
6703	2.85	115.09	112.69
6705	2.81	115.08	112.66
6707	2.83	115.09	112.68
6709	2.87	115.08	112.67
6711	2.85	115.08	112.66
6713	2.84	115.07	112.69
6715	2.85	115.09	112.68
6717	2.86	115.08	112.68
6719	2.87	115.08	112.66
6721	2.88	115.07	112.69
6723	2.85	115.09	112.67
6725	2.89	115.07	112.72
6727	2.84	115.07	112.69
6729	2.83	115.06	112.69
6731	2.86	115.06	112.68
6733	2.87	115.06	112.68
6735	2.86	115.06	112.69
6737	2.85	115.08	112.70
6739	2.85	115.06	112.69
6741	2.86	115.03	112.68
6743	2.84	115.05	112.67
6745	2.83	115.03	112.70
6747	2.84	115.04	112.68
6749	2.81	115.03	112.66
6751	2.82	115.02	112.65

6753	2.83	115.04	112.67
6755	2.84	115.01	112.65
6757	2.86	115.02	112.66
6759	2.86	115.02	112.68
6761	2.84	115.02	112.68
6763	2.84	115.03	112.68
6765	2.88	115.01	112.68
6767	2.87	115.00	112.68
6769	2.85	114.99	112.65
6771	2.83	115.02	112.68
6773	2.83	115.02	112.65
6775	2.83	114.98	112.64
6777	2.84	115.01	112.65
6779	2.86	114.99	112.65
6781	2.84	114.97	112.66
6783	2.82	114.99	112.65
6785	2.82	114.96	112.66
6787	2.85	114.97	112.65
6789	2.85	114.97	112.66
6791	2.87	114.99	112.66
6793	2.87	114.99	112.66
6795	2.82	114.98	112.68
6797	2.90	114.97	112.67
6799	2.86	114.99	112.68
6801	2.82	115.00	112.65
6803	2.87	114.96	112.65
6805	2.86	114.98	112.66
6807	2.85	114.96	112.64
6809	2.86	114.95	112.67
6811	2.86	114.97	112.64
6813	2.85	114.94	112.63
6815	2.83	114.95	112.66
6817	2.83	114.95	112.62
6819	2.86	114.93	112.63
6821	2.82	114.91	112.63
6823	2.84	114.93	112.64
6825	2.86	114.93	112.63
6827	2.83	114.92	112.63
6829	2.83	114.91	112.61
6831	2.82	114.90	112.61
6833	2.82	114.93	112.62
6835	2.84	114.91	112.63
6837	2.84	114.90	112.65
6839	2.82	114.91	112.63
6841	2.85	114.92	112.63
6843	2.84	114.90	112.63
6845	2.87	114.92	112.64

6847	2.87	114.91	112.63
6849	2.83	114.91	112.63
6851	2.86	114.92	112.62
6853	2.88	114.91	112.63
6855	2.89	114.92	112.61
6857	2.86	114.89	112.61
6859	2.86	114.88	112.62
6861	2.86	114.90	112.63
6863	2.87	114.90	112.62
6865	2.86	114.86	112.61
6867	2.85	114.88	112.62
6869	2.87	114.86	112.61
6871	2.87	114.88	112.62
6873	2.84	114.88	112.60
6875	2.80	114.86	112.61
6877	2.79	114.85	112.59
6879	2.83	114.84	112.60
6881	2.85	114.85	112.61
6883	2.82	114.83	112.59
6885	2.79	114.83	112.59
6887	2.86	114.83	112.60
6889	2.87	114.83	112.60
6891	2.81	114.85	112.58
6893	2.82	114.83	112.57
6895	2.86	114.83	112.60
6897	2.84	114.85	112.62
6899	2.87	114.83	112.61
6901	2.84	114.83	112.60
6903	2.88	114.84	112.58
6905	2.86	114.85	112.60
6907	2.86	114.83	112.61
6909	2.86	114.81	112.62
6911	2.85	114.81	112.59
6913	2.86	114.83	112.61
6915	2.89	114.81	112.62
6917	2.85	114.82	112.61
6919	2.86	114.83	112.59
6921	2.88	114.78	112.62
6923	2.83	114.78	112.58
6925	2.87	114.80	112.59
6927	2.84	114.80	112.58
6929	2.85	114.80	112.60
6931	2.89	114.79	112.61
6933	2.88	114.78	112.61
6935	2.84	114.77	112.59
6937	2.89	114.79	112.57
6939	2.88	114.79	112.61

6941	2.90	114.77	112.56
6943	2.85	114.77	112.58
6945	2.82	114.76	112.59
6947	2.86	114.79	112.57
6949	2.85	114.76	112.59
6951	2.87	114.76	112.57
6953	2.84	114.74	112.56
6955	2.84	114.75	112.55
6957	2.83	114.73	112.55
6959	2.84	114.74	112.58
6961	2.81	114.74	112.55
6963	2.84	114.73	112.56
6965	2.87	114.72	112.55
6967	2.78	114.71	112.56
6969	2.84	114.72	112.58
6971	2.84	114.73	112.56
6973	2.85	114.71	112.53
6975	2.83	114.69	112.55
6977	2.84	114.69	112.53
6979	2.87	114.72	112.54
6981	2.82	114.69	112.58
6983	2.85	114.69	112.56
6985	2.80	114.69	112.52
6987	2.84	114.68	112.54
6989	2.85	114.70	112.54
6991	2.85	114.68	112.54
6993	2.83	114.70	112.54
6995	2.83	114.67	112.53
6997	2.84	114.66	112.55
6999	2.85	114.70	112.54
7001	2.87	114.69	112.55
7003	2.84	114.68	112.52
7005	2.85	114.70	112.53
7007	2.84	114.67	112.54
7009	2.83	114.66	112.53
7011	2.84	114.66	112.54
7013	2.85	114.65	112.54
7015	2.83	114.65	112.53
7017	2.86	114.64	112.52
7019	2.87	114.68	112.56
7021	2.86	114.64	112.54
7023	2.79	114.64	112.53
7025	2.86	114.67	112.53
7027	2.86	114.67	112.54
7029	2.86	114.65	112.54
7031	2.85	114.66	112.52
7033	2.83	114.63	112.51

7035	2.84	114.64	112.53
7037	2.85	114.64	112.57
7039	2.86	114.63	112.51
7041	2.86	114.63	112.54
7043	2.86	114.63	112.51
7045	2.83	114.64	112.53
7047	2.86	114.63	112.53
7049	2.86	114.62	112.52
7051	2.84	114.61	112.52
7053	2.81	114.62	112.51
7055	2.86	114.60	112.52
7057	2.86	114.60	112.53
7059	2.84	114.61	112.50
7061	2.87	114.60	112.51
7063	2.85	114.60	112.51
7065	2.88	114.61	112.50
7067	2.82	114.56	112.52
7069	2.85	114.58	112.48
7071	2.88	114.61	112.48
7073	2.84	114.58	112.49
7075	2.84	114.56	112.48
7077	2.84	114.58	112.48
7079	2.86	114.56	112.49
7081	2.86	114.56	112.48
7083	2.82	114.54	112.46
7085	2.83	114.56	112.47
7087	2.85	114.56	112.50
7089	2.81	114.55	112.47
7091	2.82	114.54	112.47
7093	2.83	114.55	112.46
7095	2.83	114.55	112.45
7097	2.86	114.55	112.50
7099	2.83	114.52	112.46
7101	2.78	114.51	112.48
7103	2.82	114.55	112.49
7105	2.83	114.57	112.46
7107	2.84	114.52	112.47
7109	2.86	114.51	112.48
7111	2.84	114.54	112.46
7113	2.85	114.55	112.50
7115	2.82	114.52	112.48
7117	2.81	114.52	112.49
7119	2.83	114.49	112.47
7121	2.88	114.51	112.49
7123	2.84	114.52	112.51
7125	2.85	114.55	112.49
7127	2.84	114.52	112.49

7129	2.86	114.54	112.46
7131	2.86	114.50	112.49
7133	2.85	114.52	112.48
7135	2.83	114.50	112.48
7137	2.81	114.50	112.45
7139	2.82	114.50	112.47
7141	2.84	114.50	112.46
7143	2.83	114.49	112.43
7145	2.83	114.46	112.43
7147	2.84	114.48	112.47
7149	2.83	114.49	112.47
7151	2.82	114.46	112.44
7153	2.82	114.44	112.44
7155	2.81	114.45	112.45
7157	2.86	114.46	112.44
7159	2.84	114.50	112.47
7161	2.86	114.48	112.46
7163	2.83	114.47	112.46
7165	2.84	114.47	112.44
7167	2.88	114.43	112.44
7169	2.86	114.45	112.43
7171	2.86	114.45	112.46
7173	2.83	114.46	112.43
7175	2.85	114.44	112.43
7177	2.84	114.44	112.45
7179	2.85	114.44	112.43
7181	2.85	114.45	112.41
7183	2.84	114.42	112.43
7185	2.82	114.43	112.41
7187	2.84	114.41	112.42
7189	2.85	114.43	112.43
7191	2.83	114.45	112.43
7193	2.84	114.43	112.42
7195	2.86	114.43	112.43
7197	2.88	114.44	112.43
7199	2.84	114.41	112.42
7201	2.85	114.42	112.42
7203	2.87	114.43	112.42
7205	2.86	114.40	112.43
7207	2.85	114.39	112.40
7209	2.84	114.39	112.39
7211	2.82	114.40	112.39
7213	2.83	114.38	112.40
7215	2.84	114.39	112.41
7217	2.84	114.40	112.39
7219	2.83	114.39	112.38
7221	2.86	114.37	112.41

7223	2.85	114.36	112.40
7225	2.82	114.39	112.39
7227	2.83	114.36	112.39
7229	2.86	114.37	112.39
7231	2.82	114.36	112.39
7233	2.86	114.36	112.39
7235	2.84	114.38	112.38
7237	2.80	114.35	112.38
7239	2.83	114.37	112.41
7241	2.86	114.37	112.39
7243	2.86	114.35	112.41
7245	2.83	114.36	112.36
7247	2.81	114.34	112.38
7249	2.85	114.34	112.41
7251	2.85	114.33	112.40
7253	2.86	114.35	112.37
7255	2.86	114.33	112.39
7257	2.82	114.33	112.36
7259	2.86	114.34	112.36
7261	2.86	114.34	112.39
7263	2.87	114.33	112.38
7265	2.84	114.30	112.40
7267	2.84	114.33	112.39
7269	2.86	114.31	112.37
7271	2.85	114.32	112.39
7273	2.86	114.32	112.38
7275	2.85	114.34	112.38
7277	2.86	114.30	112.36
7279	2.84	114.32	112.39
7281	2.87	114.33	112.39
7283	2.87	114.31	112.38
7285	2.84	114.30	112.36
7287	2.85	114.30	112.36
7289	2.81	114.29	112.36
7291	2.85	114.28	112.34
7293	2.83	114.28	112.36
7295	2.84	114.27	112.36
7297	2.82	114.24	112.34
7299	2.82	114.28	112.33
7301	2.83	114.28	112.36
7303	2.82	114.26	112.37
7305	2.85	114.27	112.33
7307	2.82	114.26	112.33
7309	2.86	114.26	112.35
7311	2.87	114.27	112.37
7313	2.87	114.27	112.37
7315	2.85	114.28	112.35

7317	2.85	114.28	112.36
7319	2.81	114.26	112.35
7321	2.84	114.27	112.34
7323	2.84	114.25	112.32
7325	2.85	114.23	112.33
7327	2.81	114.21	112.34
7329	2.80	114.24	112.31
7331	2.83	114.22	112.34
7333	2.80	114.23	112.34
7335	2.86	114.26	112.33
7337	2.84	114.23	112.34
7339	2.84	114.21	112.34
7341	2.85	114.22	112.34
7343	2.83	114.25	112.32
7345	2.85	114.22	112.34
7347	2.86	114.23	112.35
7349	2.85	114.19	112.32
7351	2.84	114.20	112.33
7353	2.78	114.17	112.31
7355	2.82	114.18	112.30
7357	2.81	114.20	112.33
7359	2.77	114.19	112.32
7361	2.84	114.19	112.31
7363	2.84	114.17	112.32
7365	2.83	114.20	112.31
7367	2.85	114.19	112.31
7369	2.83	114.19	112.32
7371	2.84	114.22	112.34
7373	2.83	114.18	112.33
7375	2.82	114.18	112.30
7377	2.84	114.16	112.30
7379	2.87	114.18	112.32
7381	2.88	114.17	112.31
7383	2.84	114.15	112.30
7385	2.81	114.17	112.30
7387	2.83	114.17	112.30
7389	2.81	114.13	112.30
7391	2.85	114.15	112.31
7393	2.83	114.16	112.29
7395	2.83	114.15	112.29
7397	2.82	114.14	112.32
7399	2.83	114.13	112.28
7401	2.82	114.15	112.28
7403	2.83	114.13	112.28
7405	2.86	114.11	112.28
7407	2.84	114.11	112.26
7409	2.82	114.12	112.26

7411	2.85	114.13	112.29
7413	2.85	114.14	112.30
7415	2.84	114.11	112.30
7417	2.81	114.12	112.28
7419	2.83	114.13	112.28
7421	2.87	114.12	112.30
7423	2.87	114.11	112.27
7425	2.85	114.13	112.27
7427	2.86	114.10	112.27
7429	2.84	114.12	112.29
7431	2.87	114.13	112.28
7433	2.85	114.10	112.29
7435	2.87	114.09	112.28
7437	2.85	114.09	112.28
7439	2.85	114.10	112.27
7441	2.83	114.09	112.27
7443	2.85	114.08	112.27
7445	2.86	114.07	112.28
7447	2.83	114.08	112.28
7449	2.82	114.09	112.27
7451	2.85	114.08	112.25
7453	2.87	114.08	112.28
7455	2.85	114.08	112.27
7457	2.85	114.08	112.26
7459	2.87	114.05	112.29
7461	2.84	114.08	112.26
7463	2.84	114.07	112.27
7465	2.83	114.06	112.26
7467	2.84	114.05	112.24
7469	2.83	114.06	112.25
7471	2.86	114.07	112.27
7473	2.88	114.05	112.29
7475	2.84	114.06	112.27
7477	2.84	114.05	112.25
7479	2.89	114.04	112.25
7481	2.86	114.04	112.24
7483	2.82	114.04	112.22
7485	2.80	114.00	112.24
7487	2.83	114.03	112.22
7489	2.87	114.04	112.23
7491	2.85	114.03	112.23
7493	2.85	114.03	112.22
7495	2.81	114.02	112.24
7497	2.86	114.02	112.21
7499	2.85	114.03	112.24
7501	2.83	113.99	112.23
7503	2.86	114.03	112.23

7505	2.86	114.01	112.23
7507	2.84	114.00	112.24
7509	2.85	113.99	112.22
7511	2.81	113.99	112.22
7513	2.85	113.98	112.24
7515	2.83	113.99	112.22
7517	2.82	113.97	112.18
7519	2.84	113.99	112.21
7521	2.80	114.00	112.20
7523	2.83	113.98	112.18
7525	2.81	113.96	112.19
7527	2.81	113.98	112.20
7529	2.82	113.96	112.18
7531	2.80	113.96	112.18
7533	2.83	113.96	112.18
7535	2.82	113.94	112.21
7537	2.82	113.95	112.22
7539	2.82	113.95	112.19
7541	2.84	113.96	112.16
7543	2.81	113.94	112.20
7545	2.84	113.94	112.17
7547	2.80	113.94	112.18
7549	2.84	113.94	112.20
7551	2.82	113.93	112.19
7553	2.82	113.94	112.19
7555	2.83	113.91	112.17
7557	2.84	113.95	112.19
7559	2.86	113.94	112.15
7561	2.80	113.91	112.15
7563	2.83	113.94	112.16
7565	2.83	113.95	112.17
7567	2.83	113.93	112.16
7569	2.84	113.92	112.16
7571	2.86	113.94	112.16
7573	2.81	113.91	112.20
7575	2.85	113.91	112.17
7577	2.83	113.91	112.18
7579	2.80	113.90	112.16
7581	2.85	113.92	112.14
7583	2.85	113.89	112.14
7585	2.82	113.89	112.16
7587	2.85	113.89	112.16
7589	2.82	113.90	112.16
7591	2.82	113.89	112.13
7593	2.81	113.91	112.13
7595	2.82	113.87	112.15
7597	2.86	113.88	112.13

7599	2.83	113.86	112.13
7601	2.83	113.89	112.14
7603	2.84	113.86	112.13
7605	2.81	113.87	112.11
7607	2.83	113.88	112.11
7609	2.85	113.85	112.11
7611	2.82	113.89	112.12
7613	2.81	113.86	112.13
7615	2.84	113.85	112.11
7617	2.84	113.81	112.09
7619	2.82	113.85	112.09
7621	2.82	113.85	112.13
7623	2.80	113.85	112.12
7625	2.80	113.85	112.10
7627	2.85	113.85	112.10
7629	2.84	113.84	112.14
7631	2.87	113.84	112.11
7633	2.81	113.85	112.11
7635	2.84	113.85	112.12
7637	2.87	113.85	112.13
7639	2.86	113.84	112.11
7641	2.84	113.84	112.10
7643	2.84	113.83	112.10
7645	2.82	113.83	112.10
7647	2.82	113.80	112.10
7649	2.85	113.81	112.09
7651	2.83	113.81	112.08
7653	2.85	113.83	112.10
7655	2.90	113.82	112.12
7657	2.83	113.82	112.10
7659	2.82	113.80	112.10
7661	2.85	113.79	112.12
7663	2.85	113.82	112.08
7665	2.87	113.81	112.12
7667	2.85	113.80	112.09
7669	2.84	113.79	112.08
7671	2.83	113.80	112.10
7673	2.81	113.80	112.10
7675	2.82	113.78	112.05
7677	2.79	113.80	112.05
7679	2.84	113.77	112.08
7681	2.82	113.79	112.05
7683	2.82	113.78	112.07
7685	2.85	113.76	112.06
7687	2.86	113.78	112.08
7689	2.84	113.78	112.09
7691	2.84	113.76	112.08

7693	2.85	113.77	112.06
7695	2.83	113.78	112.07
7697	2.82	113.80	112.08
7699	2.85	113.78	112.07
7701	2.83	113.75	112.06
7703	2.83	113.75	112.06
7705	2.84	113.77	112.07
7707	2.84	113.76	112.06
7709	2.83	113.75	112.05
7711	2.83	113.73	112.05
7713	2.81	113.75	112.05
7715	2.80	113.75	112.05
7717	2.82	113.74	112.03
7719	2.83	113.74	112.04
7721	2.81	113.74	112.06
7723	2.81	113.75	112.03
7725	2.82	113.73	112.05
7727	2.83	113.74	112.03
7729	2.85	113.75	112.06
7731	2.84	113.74	112.04
7733	2.85	113.75	112.04
7735	2.82	113.73	112.04
7737	2.83	113.73	112.04
7739	2.87	113.73	112.02
7741	2.81	113.70	112.04
7743	2.82	113.68	112.02
7745	2.84	113.69	112.03
7747	2.84	113.72	112.03
7749	2.82	113.70	112.03
7751	2.81	113.69	112.00
7753	2.83	113.69	112.01
7755	2.81	113.70	112.02
7757	2.83	113.70	112.02
7759	2.87	113.70	112.04
7761	2.85	113.67	112.02
7763	2.83	113.70	112.03
7765	2.86	113.70	112.04
7767	2.84	113.70	112.01
7769	2.85	113.69	112.00
7771	2.83	113.68	112.03
7773	2.84	113.68	112.03
7775	2.80	113.66	112.01
7777	2.82	113.66	112.00
7779	2.84	113.68	112.00
7781	2.80	113.67	112.00
7783	2.79	113.64	111.99
7785	2.84	113.69	112.01

7787	2.82	113.67	112.00
7789	2.81	113.65	112.00
7791	2.82	113.66	111.99
7793	2.82	113.66	112.00
7795	2.85	113.65	112.03
7797	2.84	113.65	112.01
7799	2.87	113.65	112.01
7801	2.88	113.65	111.99
7803	2.82	113.66	112.00
7805	2.83	113.64	112.00
7807	2.81	113.65	111.99
7809	2.83	113.64	112.00
7811	2.85	113.62	111.98
7813	2.83	113.64	111.97
7815	2.80	113.62	111.98
7817	2.82	113.62	111.97
7819	2.84	113.63	111.97
7821	2.84	113.62	111.97
7823	2.84	113.61	111.97
7825	2.81	113.59	111.99
7827	2.80	113.62	111.95
7829	2.82	113.61	111.96
7831	2.81	113.60	111.98
7833	2.83	113.59	111.96
7835	2.83	113.62	111.96
7837	2.83	113.63	111.99
7839	2.85	113.62	111.99
7841	2.83	113.61	111.96
7843	2.85	113.58	111.97
7845	2.84	113.61	111.99
7847	2.87	113.59	111.98
7849	2.84	113.59	111.99
7851	2.84	113.57	111.97
7853	2.84	113.58	111.97
7855	2.85	113.59	111.97
7857	2.86	113.60	111.96
7859	2.83	113.59	111.98
7861	2.85	113.59	111.96
7863	2.86	113.56	111.93
7865	2.83	113.57	111.95
7867	2.83	113.57	111.96
7869	2.82	113.56	111.96
7871	2.80	113.53	111.95
7873	2.83	113.57	111.94
7875	2.85	113.53	111.94
7877	2.81	113.54	111.94
7879	2.85	113.54	111.92

7881	2.82	113.53	111.93
7883	2.85	113.51	111.93
7885	2.84	113.54	111.95
7887	2.80	113.54	111.95
7889	2.82	113.53	111.92
7891	2.84	113.52	111.94
7893	2.82	113.54	111.90
7895	2.83	113.53	111.92
7897	2.84	113.54	111.91
7899	2.82	113.54	111.93
7901	2.87	113.54	111.92
7903	2.84	113.54	111.92
7905	2.83	113.53	111.94
7907	2.84	113.53	111.96
7909	2.86	113.51	111.94
7911	2.89	113.52	111.93
7913	2.87	113.50	111.92
7915	2.86	113.52	111.92
7917	2.84	113.49	111.93
7919	2.87	113.50	111.91
7921	2.82	113.53	111.92
7923	2.86	113.51	111.93
7925	2.86	113.54	111.91
7927	2.86	113.48	111.91
7929	2.86	113.50	111.91
7931	2.82	113.52	111.92
7933	2.84	113.49	111.90
7935	2.84	113.49	111.89
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7939	2.86	113.48	111.91
7941	2.85	113.49	111.91
7943	2.86	113.50	111.89
7945	2.85	113.51	111.92
7947	2.85	113.47	111.88
7949	2.87	113.48	111.90
7951	2.86	113.47	111.89
7953	2.86	113.46	111.87
7955	2.87	113.45	111.87
7957	2.89	113.47	111.91
7959	2.87	113.46	111.88
7961	2.85	113.46	111.87
7963	2.82	113.44	111.87
7965	2.86	113.46	111.90
7967	2.85	113.43	111.86
7969	2.83	113.45	111.88
7971	2.84	113.47	111.86
7973	2.84	113.45	111.86

7975	2.86	113.44	111.85
7977	2.86	113.42	111.84
7979	2.84	113.44	111.84
7981	2.83	113.45	111.85
7983	2.83	113.43	111.82
7985	2.81	113.42	111.86
7987	2.83	113.44	111.83
7989	2.84	113.41	111.84
7991	2.81	113.40	111.84
7993	2.82	113.43	111.80
7995	2.85	113.40	111.82
7997	2.85	113.40	111.82
7999	2.84	113.39	111.85
8001	2.82	113.38	111.81
8003	2.84	113.40	111.82
8005	2.85	113.40	111.83
8007	2.84	113.41	111.79
8009	2.86	113.40	111.82
8011	2.85	113.40	111.83
8013	2.88	113.39	111.83
8015	2.81	113.40	111.83
8017	2.85	113.38	111.80
8019	2.84	113.38	111.81
8021	2.84	113.40	111.79
8023	2.83	113.39	111.78
8025	2.84	113.39	111.82
8027	2.87	113.40	111.82
8029	2.84	113.37	111.79
8031	2.84	113.38	111.79
8033	2.86	113.40	111.81
8035	2.82	113.38	111.82
8037	2.83	113.36	111.79
8039	2.85	113.35	111.76
8041	2.81	113.40	111.78
8043	2.83	113.39	111.77
8045	2.82	113.36	111.77
8047	2.81	113.37	111.80
8049	2.85	113.38	111.74
8051	2.83	113.35	111.77
8053	2.83	113.35	111.77
8055	2.82	113.35	111.78
8057	2.82	113.35	111.77
8059	2.84	113.33	111.77
8061	2.85	113.36	111.77
8063	2.84	113.36	111.80
8065	2.82	113.35	111.79
8067	2.86	113.35	111.75

8069	2.82	113.35	111.81
8071	2.82	113.34	111.76
8073	2.84	113.31	111.77
8075	2.81	113.33	111.75
8077	2.83	113.34	111.73
8079	2.81	113.34	111.74
8081	2.81	113.32	111.74
8083	2.83	113.30	111.73
8085	2.85	113.32	111.73
8087	2.83	113.32	111.73
8089	2.84	113.32	111.73
8091	2.84	113.32	111.73
8093	2.85	113.30	111.73
8095	2.86	113.32	111.75
8097	2.82	113.32	111.74
8099	2.88	113.31	111.74
8101	2.84	113.30	111.73
8103	2.86	113.31	111.71
8105	2.84	113.30	111.73
8107	2.84	113.32	111.72
8109	2.83	113.32	111.75
8111	2.86	113.28	111.72
8113	2.80	113.28	111.71
8115	2.81	113.28	111.72
8117	2.84	113.28	111.72
8119	2.82	113.29	111.71
8121	2.85	113.30	111.68
8123	2.88	113.31	111.70
8125	2.84	113.28	111.71
8127	2.83	113.27	111.70
8129	2.81	113.28	111.70
8131	2.82	113.28	111.71
8133	2.84	113.27	111.71
8135	2.84	113.28	111.72
8137	2.84	113.27	111.69
8139	2.82	113.25	111.70
8141	2.82	113.27	111.69
8143	2.83	113.26	111.68
8145	2.86	113.26	111.71
8147	2.81	113.26	111.68
8149	2.90	113.25	111.69
8151	2.86	113.26	111.70
8153	2.86	113.24	111.70
8155	2.83	113.26	111.69
8157	2.85	113.25	111.69
8159	2.84	113.26	111.70
8161	2.83	113.24	111.68

8163	2.86	113.26	111.69
8165	2.88	113.22	111.69
8167	2.81	113.25	111.69
8169	2.86	113.24	111.67
8171	2.84	113.24	111.66
8173	2.83	113.23	111.66
8175	2.85	113.26	111.66
8177	2.84	113.26	111.70
8179	2.87	113.24	111.67
8181	2.85	113.22	111.64
8183	2.86	113.22	111.65
8185	2.87	113.25	111.65
8187	2.89	113.23	111.67
8189	2.83	113.22	111.65
8191	2.85	113.23	111.67
8193	2.83	113.22	111.65
8195	2.85	113.23	111.66
8197	2.83	113.22	111.64
8199	2.83	113.21	111.65
8201	2.88	113.22	111.65
8203	2.86	113.22	111.63
8205	2.86	113.22	111.65
8207	2.85	113.20	111.64
8209	2.85	113.22	111.65
8211	2.81	113.21	111.63
8213	2.82	113.20	111.65
8215	2.85	113.19	111.64
8217	2.81	113.18	111.63
8219	2.84	113.16	111.61
8221	2.82	113.19	111.62
8223	2.83	113.18	111.58
8225	2.84	113.17	111.61
8227	2.83	113.16	111.62
8229	2.85	113.16	111.62
8231	2.86	113.16	111.61
8233	2.85	113.17	111.60
8235	2.84	113.16	111.61
8237	2.83	113.19	111.61
8239	2.85	113.16	111.60
8241	2.85	113.17	111.61
8243	2.86	113.16	111.61
8245	2.83	113.19	111.62
8247	2.82	113.16	111.60
8249	2.84	113.15	111.60
8251	2.85	113.14	111.61
8253	2.86	113.16	111.58
8255	2.86	113.14	111.61

8257	2.83	113.14	111.59
8259	2.86	113.13	111.59
8261	2.81	113.15	111.59
8263	2.85	113.14	111.59
8265	2.83	113.13	111.60
8267	2.83	113.11	111.59
8269	2.86	113.14	111.61
8271	2.84	113.15	111.58
8273	2.83	113.14	111.57
8275	2.86	113.14	111.61
8277	2.88	113.11	111.59
8279	2.85	113.11	111.57
8281	2.85	113.13	111.58
8283	2.85	113.11	111.58
8285	2.83	113.12	111.56
8287	2.86	113.11	111.57
8289	2.83	113.11	111.58
8291	2.86	113.11	111.59
8293	2.81	113.12	111.57
8295	2.86	113.10	111.57
8297	2.82	113.12	111.56
8299	2.82	113.07	111.56
8301	2.82	113.11	111.56
8303	2.85	113.09	111.55
8305	2.83	113.09	111.56
8307	2.83	113.07	111.53
8309	2.82	113.07	111.55
8311	2.83	113.05	111.53
8313	2.83	113.08	111.54
8315	2.83	113.07	111.54
8317	2.84	113.10	111.55
8319	2.80	113.05	111.53
8321	2.85	113.06	111.52
8323	2.84	113.08	111.54
8325	2.81	113.07	111.55
8327	2.85	113.06	111.53
8329	2.86	113.07	111.53
8331	2.85	113.06	111.54
8333	2.84	113.06	111.55
8335	2.83	113.07	111.55
8337	2.84	113.05	111.53
8339	2.86	113.05	111.51
8341	2.86	113.08	111.52
8343	2.82	113.04	111.49
8345	2.85	113.04	111.49
8347	2.84	113.03	111.50
8349	2.84	113.03	111.49

8351	2.85	113.04	111.51
8353	2.81	113.03	111.48
8355	2.83	113.04	111.51
8357	2.82	113.03	111.50
8359	2.81	113.04	111.50
8361	2.79	113.01	111.47
8363	2.82	113.02	111.49
8365	2.82	113.02	111.50
8367	2.84	113.02	111.50
8369	2.84	113.03	111.48
8371	2.82	113.00	111.48
8373	2.81	113.00	111.47
8375	2.82	113.01	111.47
8377	2.84	113.01	111.49
8379	2.84	112.99	111.49
8381	2.79	112.98	111.45
8383	2.82	112.99	111.47
8385	2.84	112.99	111.45
8387	2.83	113.00	111.48
8389	2.86	113.00	111.48
8391	2.80	112.99	111.47
8393	2.82	113.00	111.47
8395	2.84	112.99	111.47
8397	2.82	112.99	111.50
8399	2.87	112.99	111.47
8401	2.87	112.98	111.47
8403	2.84	112.97	111.46
8405	2.85	112.98	111.44
8407	2.85	112.98	111.46
8409	2.87	113.02	111.46
8411	2.84	112.98	111.44
8413	2.83	112.97	111.43
8415	2.84	112.96	111.45
8417	2.84	112.98	111.44
8419	2.83	112.95	111.43
8421	2.82	112.94	111.41
8423	2.86	112.97	111.42
8425	2.84	112.95	111.43
8427	2.83	112.95	111.44
8429	2.82	112.95	111.43
8431	2.83	112.95	111.42
8433	2.85	112.94	111.42
8435	2.81	112.94	111.44
8437	2.78	112.93	111.42
8439	2.81	112.95	111.41
8441	2.83	112.94	111.40
8443	2.86	112.94	111.41

8445	2.83	112.91	111.43
8447	2.83	112.92	111.38
8449	2.82	112.93	111.39
8451	2.82	112.93	111.39
8453	2.82	112.94	111.42
8455	2.80	112.91	111.39
8457	2.81	112.93	111.37
8459	2.83	112.91	111.39
8461	2.86	112.91	111.39
8463	2.85	112.90	111.39
8465	2.82	112.91	111.39
8467	2.82	112.90	111.40
8469	2.83	112.92	111.40
8471	2.84	112.90	111.39
8473	2.83	112.89	111.39
8475	2.82	112.90	111.39
8477	2.89	112.90	111.38
8479	2.86	112.92	111.41
8481	2.85	112.93	111.38
8483	2.81	112.92	111.38
8485	2.83	112.90	111.39
8487	2.84	112.92	111.37
8489	2.86	112.90	111.38
8491	2.84	112.91	111.36
8493	2.86	112.90	111.35
8495	2.86	112.90	111.37
8497	2.83	112.90	111.36
8499	2.84	112.88	111.34
8501	2.86	112.90	111.35
8503	2.86	112.93	111.36
8505	2.82	112.90	111.35
8507	2.81	112.88	111.34
8509	2.84	112.90	111.35
8511	2.86	112.88	111.34
8513	2.85	112.88	111.35
8515	2.84	112.88	111.34
8517	2.84	112.88	111.37
8519	2.86	112.90	111.34
8521	2.83	112.88	111.33
8523	2.82	112.87	111.33
8525	2.85	112.88	111.35
8527	2.86	112.87	111.36
8529	2.84	112.85	111.34
8531	2.83	112.86	111.33
8533	2.87	112.87	111.33
8535	2.85	112.87	111.32
8537	2.86	112.84	111.33

8539	2.81	112.85	111.31
8541	2.86	112.85	111.31
8543	2.83	112.85	111.31
8545	2.83	112.84	111.31
8547	2.82	112.81	111.29
8549	2.84	112.82	111.27
8551	2.84	112.82	111.30
8553	2.84	112.84	111.31
8555	2.85	112.81	111.29
8557	2.79	112.80	111.26
8559	2.82	112.81	111.27
8561	2.82	112.81	111.32
8563	2.81	112.79	111.29
8565	2.81	112.81	111.26
8567	2.80	112.79	111.28
8569	2.81	112.81	111.27
8571	2.82	112.82	111.28
8573	2.83	112.78	111.30
8575	2.84	112.78	111.26
8577	2.83	112.80	111.28
8579	2.84	112.80	111.29
8581	2.82	112.79	111.28
8583	2.83	112.79	111.26
8585	2.82	112.78	111.28
8587	2.82	112.77	111.26
8589	2.82	112.81	111.27
8591	2.84	112.80	111.25
8593	2.83	112.81	111.25
8595	2.87	112.80	111.26
8597	2.85	112.80	111.27
8599	2.83	112.77	111.31
8601	2.84	112.80	111.25
8603	2.84	112.78	111.28
8605	2.82	112.79	111.26
8607	2.84	112.80	111.26
8609	2.82	112.79	111.26
8611	2.82	112.75	111.25
8613	2.85	112.75	111.25
8615	2.85	112.76	111.27
8617	2.82	112.74	111.23
8619	2.80	112.75	111.24
8621	2.84	112.75	111.25
8623	2.81	112.76	111.22
8625	2.85	112.72	111.23
8627	2.82	112.76	111.25
8629	2.83	112.77	111.23
8631	2.84	112.76	111.26

8633	2.85	112.76	111.24
8635	2.85	112.76	111.24
8637	2.86	112.75	111.23
8639	2.83	112.75	111.24
8641	2.86	112.75	111.21
8643	2.85	112.78	111.22
8645	2.82	112.74	111.21
8647	2.81	112.74	111.18
8649	2.79	112.71	111.18
8651	2.83	112.71	111.20
8653	2.83	112.72	111.20
8655	2.80	112.72	111.19
8657	2.83	112.74	111.20
8659	2.85	112.72	111.21
8661	2.81	112.73	111.19
8663	2.84	112.73	111.22
8665	2.85	112.72	111.19
8667	2.87	112.73	111.18
8669	2.82	112.72	111.18
8671	2.84	112.72	111.22
8673	2.84	112.71	111.19
8675	2.82	112.71	111.16
8677	2.82	112.71	111.16
8679	2.80	112.70	111.17
8681	2.80	112.70	111.17
8683	2.80	112.70	111.16
8685	2.81	112.69	111.17
8687	2.84	112.67	111.18
8689	2.83	112.69	111.16
8691	2.82	112.70	111.14
8693	2.82	112.68	111.17
8695	2.82	112.70	111.14
8697	2.86	112.71	111.18
8699	2.85	112.68	111.19
8701	2.85	112.68	111.16
8703	2.80	112.65	111.16
8705	2.85	112.69	111.14
8707	2.85	112.68	111.17
8709	2.84	112.66	111.14
8711	2.81	112.67	111.11
8713	2.81	112.67	111.10
8715	2.85	112.67	111.14
8717	2.84	112.68	111.13
8719	2.82	112.67	111.14
8721	2.84	112.66	111.11
8723	2.83	112.70	111.11
8725	2.84	112.67	111.15

8727	2.88	112.66	111.15
8729	2.82	112.68	111.12
8731	2.83	112.69	111.12
8733	2.83	112.67	111.11
8735	2.82	112.65	111.12
8737	2.81	112.63	111.09
8739	2.83	112.64	111.11
8741	2.80	112.64	111.10
8743	2.81	112.62	111.09
8745	2.84	112.63	111.08
8747	2.84	112.64	111.11
8749	2.86	112.64	111.12
8751	2.84	112.65	111.12
8753	2.86	112.67	111.10
8755	2.84	112.66	111.10
8757	2.86	112.68	111.10
8759	2.84	112.65	111.09
8761	2.82	112.62	111.09
8763	2.84	112.65	111.10
8765	2.83	112.63	111.07
8767	2.85	112.60	111.07
8769	2.80	112.61	111.08
8771	2.81	112.60	111.05
8773	2.83	112.61	111.08
8775	2.81	112.61	111.04
8777	2.79	112.61	111.06
8779	2.82	112.61	111.07
8781	2.84	112.61	111.06
8783	2.83	112.60	111.07
8785	2.81	112.59	111.05
8787	2.85	112.60	111.06
8789	2.85	112.60	111.08
8791	2.84	112.59	111.03
8793	2.85	112.60	111.04
8795	2.84	112.58	111.03
8797	2.83	112.60	111.06
8799	2.84	112.61	111.03
8801	2.86	112.63	111.04
8803	2.89	112.60	111.01
8805	2.83	112.60	111.03
8807	2.84	112.61	111.04
8809	2.86	112.60	111.04
8811	2.83	112.61	111.03
8813	2.85	112.57	111.03
8815	2.83	112.59	111.02
8817	2.83	112.57	111.02
8819	2.83	112.58	111.00

8821	2.83	112.56	110.99
8823	2.83	112.57	111.00
8825	2.84	112.56	111.01
8827	2.79	112.56	111.01
8829	2.80	112.57	110.99
8831	2.79	112.55	110.97
8833	2.85	112.56	110.99
8835	2.86	112.56	110.98
8837	2.84	112.55	111.01
8839	2.84	112.57	110.98
8841	2.84	112.54	110.99
8843	2.83	112.54	110.96
8845	2.84	112.55	110.98
8847	2.80	112.56	110.97
8849	2.82	112.55	110.98
8851	2.81	112.56	110.97
8853	2.82	112.56	110.96
8855	2.82	112.54	110.98
8857	2.81	112.53	110.98
8859	2.86	112.55	110.97
8861	2.82	112.54	110.98
8863	2.83	112.55	110.99
8865	2.83	112.54	110.97
8867	2.81	112.54	110.96
8869	2.85	112.56	110.98
8871	2.84	112.53	110.95
8873	2.84	112.53	110.98
8875	2.83	112.53	110.96
8877	2.84	112.55	110.96
8879	2.86	112.55	110.98
8881	2.85	112.52	110.98
8883	2.85	112.52	110.94
8885	2.86	112.54	110.96
8887	2.86	112.53	110.96
8889	2.83	112.53	110.94
8891	2.83	112.52	110.96
8893	2.85	112.54	110.93
8895	2.82	112.51	110.95
8897	2.82	112.50	110.93
8899	2.82	112.51	110.95
8901	2.84	112.48	110.90
8903	2.84	112.52	110.95
8905	2.82	112.51	110.93
8907	2.82	112.48	110.92
8909	2.81	112.49	110.91
8911	2.82	112.49	110.91
8913	2.82	112.50	110.91

8915	2.81	112.48	110.88
8917	2.83	112.50	110.90
8919	2.82	112.47	110.91
8921	2.85	112.49	110.90
8923	2.83	112.49	110.91
8925	2.83	112.46	110.90
8927	2.84	112.49	110.88
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8933	2.84	112.47	110.89
8935	2.84	112.48	110.87
8937	2.87	112.49	110.90
8939	2.87	112.49	110.90
8941	2.84	112.47	110.90
8943	2.84	112.45	110.87
8945	2.83	112.46	110.88
8947	2.83	112.49	110.89
8949	2.84	112.49	110.88
8951	2.85	112.47	110.86
8953	2.84	112.47	110.88
8955	2.85	112.47	110.89
8957	2.81	112.46	110.90
8959	2.85	112.45	110.87
8961	2.84	112.47	110.88
8963	2.84	112.46	110.88
8965	2.84	112.47	110.85
8967	2.83	112.45	110.86
8969	2.86	112.46	110.87
8971	2.84	112.45	110.88
8973	2.83	112.44	110.87
8975	2.84	112.44	110.85
8977	2.84	112.45	110.86
8979	2.88	112.44	110.86
8981	2.84	112.43	110.86
8983	2.84	112.43	110.85
8985	2.87	112.44	110.85
8987	2.87	112.44	110.85
8989	2.84	112.41	110.82
8991	2.82	112.41	110.82
8993	2.84	112.43	110.84
8995	2.84	112.43	110.83
8997	2.86	112.43	110.85
8999	2.83	112.44	110.86
9001	2.84	112.41	110.80
9003	2.85	112.40	110.81
9005	2.87	112.43	110.84
9007	2.85	112.40	110.84

9009	2.88	112.39	110.79
9011	2.84	112.41	110.83
9013	2.86	112.45	110.82
9015	2.83	112.39	110.81
9017	2.81	112.39	110.79
9019	2.81	112.39	110.81
9021	2.85	112.40	110.81
9023	2.85	112.39	110.81
9025	2.85	112.39	110.79
9027	2.89	112.41	110.82
9029	2.82	112.42	110.80
9031	2.85	112.39	110.78
9033	2.85	112.40	110.80
9035	2.87	112.40	110.79
9037	2.85	112.39	110.79
9039	2.83	112.40	110.79
9041	2.86	112.39	110.79
9043	2.84	112.37	110.75
9045	2.85	112.37	110.77
9047	2.86	112.39	110.77
9049	2.84	112.36	110.76
9051	2.88	112.37	110.76
9053	2.83	112.37	110.75
9055	2.83	112.37	110.74
9057	2.85	112.37	110.74
9059	2.83	112.37	110.73
9061	2.82	112.35	110.70
9063	2.83	112.34	110.75
9065	2.84	112.36	110.74
9067	2.83	112.35	110.72
9069	2.80	112.37	110.71
9071	2.82	112.35	110.74
9073	2.81	112.35	110.74
9075	2.82	112.34	110.73
9077	2.81	112.33	110.72
9079	2.85	112.34	110.70
9081	2.83	112.33	110.75
9083	2.86	112.33	110.70
9085	2.79	112.33	110.73
9087	2.86	112.34	110.69
9089	2.83	112.31	110.71
9091	2.83	112.31	110.71
9093	2.82	112.35	110.72
9095	2.85	112.35	110.72
9097	2.83	112.33	110.72
9099	2.83	112.31	110.70
9101	2.81	112.31	110.69

9103	2.84	112.31	110.71
9105	2.84	112.34	110.70
9107	2.83	112.32	110.70
9109	2.81	112.31	110.68
9111	2.82	112.30	110.69
9113	2.88	112.32	110.68
9115	2.84	112.31	110.69
9117	2.85	112.30	110.67
9119	2.83	112.29	110.67
9121	2.84	112.31	110.70
9123	2.85	112.28	110.71
9125	2.86	112.30	110.68
9127	2.86	112.30	110.67
9129	2.84	112.33	110.67
9131	2.83	112.30	110.68
9133	2.86	112.31	110.67
9135	2.84	112.30	110.67
9137	2.82	112.28	110.66
9139	2.85	112.28	110.66
9141	2.85	112.29	110.65
9143	2.86	112.27	110.66
9145	2.83	112.29	110.64
9147	2.85	112.26	110.65
9149	2.86	112.29	110.65
9151	2.85	112.29	110.63
9153	2.81	112.27	110.61
9155	2.82	112.27	110.64
9157	2.81	112.27	110.64
9159	2.84	112.28	110.63
9161	2.83	112.27	110.63
9163	2.82	112.24	110.61
9165	2.79	112.25	110.64
9167	2.84	112.25	110.61
9169	2.80	112.26	110.63
9171	2.83	112.25	110.62
9173	2.85	112.27	110.62
9175	2.87	112.29	110.62
9177	2.84	112.27	110.64
9179	2.84	112.26	110.62
9181	2.86	112.26	110.63
9183	2.84	112.27	110.63
9185	2.86	112.27	110.64
9187	2.84	112.27	110.62
9189	2.83	112.24	110.61
9191	2.80	112.23	110.58
9193	2.84	112.24	110.58
9195	2.81	112.24	110.61

9197	2.83	112.24	110.60
9199	2.84	112.24	110.58
9201	2.84	112.23	110.59
9203	2.84	112.25	110.58
9205	2.84	112.24	110.58
9207	2.84	112.23	110.58
9209	2.84	112.23	110.61
9211	2.85	112.24	110.60
9213	2.81	112.23	110.60
9215	2.83	112.22	110.58
9217	2.81	112.23	110.57
9219	2.84	112.24	110.58
9221	2.82	112.24	110.58
9223	2.82	112.22	110.61
9225	2.85	112.22	110.60
9227	2.87	112.22	110.58
9229	2.85	112.22	110.58
9231	2.86	112.22	110.56
9233	2.85	112.21	110.57
9235	2.85	112.23	110.61
9237	2.84	112.23	110.60
9239	2.84	112.21	110.55
9241	2.85	112.20	110.57
9243	2.82	112.20	110.57
9245	2.80	112.22	110.57
9247	2.84	112.19	110.55
9249	2.82	112.18	110.51
9251	2.80	112.19	110.55
9253	2.81	112.19	110.54
9255	2.85	112.20	110.56
9257	2.87	112.21	110.55
9259	2.84	112.19	110.54
9261	2.82	112.18	110.56
9263	2.82	112.19	110.53
9265	2.83	112.21	110.57
9267	2.85	112.20	110.53
9269	2.82	112.17	110.54
9271	2.83	112.19	110.52
9273	2.85	112.21	110.54
9275	2.84	112.20	110.55
9277	2.81	112.18	110.55
9279	2.82	112.16	110.50
9281	2.82	112.18	110.54
9283	2.81	112.18	110.53
9285	2.79	112.16	110.50
9287	2.81	112.14	110.49
9289	2.82	112.17	110.50

9291	2.85	112.16	110.54
9293	2.84	112.15	110.50
9295	2.85	112.15	110.51
9297	2.85	112.17	110.50
9299	2.86	112.15	110.51
9301	2.85	112.17	110.49
9303	2.81	112.15	110.52
9305	2.82	112.15	110.46
9307	2.83	112.13	110.49
9309	2.82	112.13	110.52
9311	2.85	112.14	110.51
9313	2.82	112.16	110.51
9315	2.83	112.12	110.50
9317	2.81	112.12	110.49
9319	2.87	112.16	110.50
9321	2.81	112.14	110.50
9323	2.83	112.12	110.49
9325	2.81	112.12	110.49
9327	2.83	112.14	110.49
9329	2.84	112.15	110.47
9331	2.80	112.12	110.49
9333	2.78	112.11	110.49
9335	2.85	112.13	110.47
9337	2.83	112.14	110.46
9339	2.86	112.10	110.49
9341	2.84	112.13	110.45
9343	2.82	112.09	110.46
9345	2.82	112.12	110.47
9347	2.86	112.13	110.46
9349	2.85	112.12	110.47
9351	2.84	112.12	110.46
9353	2.83	112.11	110.46
9355	2.82	112.15	110.50
9357	2.82	112.11	110.47
9359	2.82	112.11	110.47
9361	2.86	112.10	110.44
9363	2.85	112.10	110.46
9365	2.83	112.09	110.46
9367	2.86	112.13	110.48
9369	2.84	112.11	110.43
9371	2.84	112.11	110.43
9373	2.85	112.09	110.45
9375	2.83	112.11	110.44
9377	2.82	112.12	110.44
9379	2.81	112.09	110.42
9381	2.87	112.09	110.44
9383	2.89	112.10	110.44

9385	2.82	112.10	110.44
9387	2.84	112.09	110.43
9389	2.84	112.10	110.44
9391	2.84	112.07	110.43
9393	2.84	112.09	110.45
9395	2.86	112.07	110.44
9397	2.83	112.08	110.42
9399	2.83	112.10	110.42
9401	2.84	112.08	110.41
9403	2.85	112.08	110.40
9405	2.85	112.07	110.40
9407	2.84	112.09	110.41
9409	2.85	112.06	110.41
9411	2.86	112.05	110.42
9413	2.85	112.05	110.38
9415	2.81	112.04	110.39
9417	2.83	112.05	110.40
9419	2.83	112.06	110.39
9421	2.84	112.03	110.37
9423	2.82	112.05	110.39
9425	2.83	112.06	110.37
9427	2.82	112.03	110.38
9429	2.85	112.04	110.38
9431	2.84	112.04	110.36
9433	2.83	112.03	110.36
9435	2.82	112.04	110.38
9437	2.85	112.03	110.37
9439	2.85	112.03	110.37
9441	2.87	112.04	110.37
9443	2.81	112.03	110.36
9445	2.84	112.03	110.34
9447	2.83	112.02	110.35
9449	2.82	112.03	110.38
9451	2.85	112.00	110.35
9453	2.84	112.01	110.37
9455	2.83	112.02	110.34
9457	2.84	112.04	110.36
9459	2.82	112.03	110.32
9461	2.83	112.01	110.35
9463	2.83	112.02	110.36
9465	2.84	112.03	110.34
9467	2.86	112.02	110.33
9469	2.86	112.01	110.36
9471	2.85	112.04	110.35
9473	2.85	112.01	110.33
9475	2.83	112.01	110.33
9477	2.85	111.99	110.32

9479	2.83	112.02	110.34
9481	2.87	112.00	110.34
9483	2.86	112.01	110.34
9485	2.86	112.01	110.33
9487	2.85	112.01	110.30
9489	2.82	112.01	110.31
9491	2.82	112.00	110.30
9493	2.83	111.99	110.29
9495	2.86	111.99	110.30
9497	2.83	112.00	110.29
9499	2.83	111.98	110.30
9501	2.85	111.99	110.29
9503	2.84	111.99	110.31
9505	2.84	112.00	110.28
9507	2.84	111.99	110.30
9509	2.86	112.00	110.31
9511	2.89	112.00	110.32
9513	2.85	111.99	110.31
9515	2.85	111.99	110.30
9517	2.85	111.99	110.30
9519	2.85	111.97	110.30
9521	2.86	111.99	110.30
9523	2.83	111.99	110.28
9525	2.84	111.95	110.27
9527	2.81	111.96	110.28
9529	2.82	111.96	110.26
9531	2.83	111.98	110.28
9533	2.85	111.94	110.27
9535	2.84	111.97	110.28
9537	2.84	111.96	110.29
9539	2.83	111.97	110.27
9541	2.83	111.95	110.27
9543	2.86	111.97	110.29
9545	2.87	111.97	110.30
9547	2.84	111.97	110.27
9549	2.85	111.96	110.27
9551	2.86	111.97	110.28
9553	2.84	111.96	110.29
9555	2.88	111.97	110.27
9557	2.86	111.96	110.28
9559	2.84	111.97	110.26
9561	2.84	111.96	110.28
9563	2.84	111.93	110.25
9565	2.86	111.94	110.25
9567	2.87	111.94	110.27
9569	2.88	111.94	110.24
9571	2.83	111.95	110.23

9573	2.85	111.94	110.21
9575	2.82	111.94	110.23
9577	2.85	111.91	110.22
9579	2.86	111.94	110.26
9581	2.84	111.93	110.24
9583	2.81	111.91	110.22
9585	2.82	111.91	110.22
9587	2.84	111.90	110.23
9589	2.82	111.87	110.23
9591	2.79	111.91	110.23
9593	2.83	111.91	110.21
9595	2.85	111.90	110.20
9597	2.85	111.90	110.21
9599	2.83	111.90	110.23
9601	2.83	111.89	110.22
9603	2.88	111.90	110.22
9605	2.86	111.91	110.24
9607	2.84	111.91	110.22
9609	2.84	111.90	110.23
9611	2.86	111.89	110.23
9613	2.84	111.89	110.21
9615	2.84	111.89	110.20
9617	2.84	111.92	110.24
9619	2.85	111.88	110.22
9621	2.83	111.89	110.23
9623	2.84	111.88	110.20
9625	2.84	111.89	110.20
9627	2.84	111.90	110.20
9629	2.85	111.90	110.19
9631	2.83	111.87	110.20
9633	2.82	111.87	110.21
9635	2.86	111.89	110.21
9637	2.85	111.89	110.21
9639	2.87	111.89	110.19
9641	2.82	111.89	110.21
9643	2.86	111.89	110.18
9645	2.85	111.89	110.20
9647	2.86	111.90	110.20
9649	2.87	111.88	110.18
9651	2.84	111.87	110.19
9653	2.89	111.85	110.16
9655	2.82	111.86	110.19
9657	2.89	111.87	110.20
9659	2.86	111.85	110.19
9661	2.86	111.87	110.18
9663	2.84	111.87	110.16
9665	2.86	111.86	110.17

9667	2.84	111.86	110.18
9669	2.84	111.85	110.18
9671	2.82	111.83	110.16
9673	2.86	111.85	110.18
9675	2.87	111.86	110.20
9677	2.85	111.84	110.18
9679	2.81	111.86	110.17
9681	2.85	111.83	110.18
9683	2.85	111.85	110.17
9685	2.83	111.84	110.17
9687	2.87	111.85	110.15
9689	2.81	111.81	110.15
9691	2.80	111.83	110.14
9693	2.83	111.81	110.14
9695	2.85	111.82	110.13
9697	2.80	111.84	110.11
9699	2.81	111.79	110.12
9701	2.82	111.82	110.12
9703	2.86	111.80	110.13
9705	2.81	111.81	110.12
9707	2.81	111.80	110.11
9709	2.81	111.82	110.12
9711	2.82	111.81	110.09
9713	2.79	111.83	110.11
9715	2.82	111.81	110.12
9717	2.81	111.80	110.11
9719	2.81	111.82	110.09
9721	2.84	111.81	110.10
9723	2.84	111.79	110.08
9725	2.80	111.80	110.11
9727	2.82	111.81	110.11
9729	2.84	111.79	110.11
9731	2.82	111.81	110.11
9733	2.82	111.79	110.10
9735	2.83	111.81	110.11
9737	2.84	111.79	110.09
9739	2.82	111.79	110.09
9741	2.85	111.79	110.09
9743	2.85	111.82	110.10
9745	2.85	111.80	110.09
9747	2.82	111.78	110.08
9749	2.87	111.79	110.09
9751	2.87	111.78	110.09
9753	2.88	111.76	110.09
9755	2.85	111.77	110.06
9757	2.85	111.78	110.06
9759	2.85	111.79	110.08

9761	2.84	111.79	110.05
9763	2.84	111.79	110.07
9765	2.84	111.76	110.06
9767	2.85	111.77	110.06
9769	2.84	111.75	110.05
9771	2.84	111.77	110.05
9773	2.84	111.77	110.05
9775	2.83	111.75	110.05
9777	2.83	111.74	110.05
9779	2.83	111.74	110.03
9781	2.84	111.75	110.05
9783	2.84	111.76	110.04
9785	2.80	111.76	110.04
9787	2.81	111.74	110.04
9789	2.86	111.74	110.03
9791	2.84	111.77	110.04
9793	2.87	111.77	110.05
9795	2.87	111.72	110.06
9797	2.85	111.78	110.03
9799	2.83	111.75	110.04
9801	2.86	111.76	110.03
9803	2.87	111.74	110.05
9805	2.83	111.75	110.03
9807	2.84	111.74	110.03
9809	2.84	111.74	110.03
9811	2.84	111.74	110.04
9813	2.83	111.72	109.98
9815	2.84	111.73	110.01
9817	2.82	111.73	109.99
9819	2.80	111.71	109.99
9821	2.82	111.72	109.99
9823	2.82	111.72	110.00
9825	2.85	111.71	109.98
9827	2.81	111.71	109.98
9829	2.82	111.72	109.99
9831	2.84	111.72	109.99
9833	2.84	111.71	109.99
9835	2.84	111.68	109.97
9837	2.84	111.71	109.98
9839	2.84	111.72	109.98
9841	2.81	111.68	109.99
9843	2.84	111.71	109.97
9845	2.82	111.74	109.99
9847	2.82	111.70	109.97
9849	2.85	111.72	109.97
9851	2.83	111.70	109.96
9853	2.83	111.67	109.97

9855	2.82	111.69	109.97
9857	2.86	111.70	109.97
9859	2.83	111.71	109.95
9861	2.81	111.67	109.96
9863	2.81	111.66	109.96
9865	2.82	111.69	109.94
9867	2.86	111.68	109.94
9869	2.86	111.70	109.94
9871	2.86	111.68	109.97
9873	2.84	111.68	109.95
9875	2.81	111.67	109.94
9877	2.84	111.67	109.95
9879	2.83	111.68	109.96
9881	2.82	111.66	109.94
9883	2.85	111.67	109.93
9885	2.87	111.67	109.95
9887	2.83	111.69	109.97
9889	2.85	111.69	109.94
9891	2.85	111.68	109.95
9893	2.82	111.67	109.95
9895	2.86	111.67	109.94
9897	2.81	111.65	109.92
9899	2.84	111.66	109.94
9901	2.83	111.68	109.95
9903	2.85	111.67	109.92
9905	2.84	111.66	109.91
9907	2.86	111.66	109.92
9909	2.84	111.65	109.94
9911	2.81	111.64	109.92
9913	2.84	111.65	109.92
9915	2.83	111.65	109.93
9917	2.82	111.64	109.92
9919	2.82	111.62	109.89
9921	2.82	111.62	109.91
9923	2.85	111.63	109.91
9925	2.84	111.62	109.90
9927	2.82	111.62	109.91
9929	2.83	111.62	109.91
9931	2.82	111.64	109.90
9933	2.84	111.62	109.89
9935	2.84	111.61	109.93
9937	2.84	111.61	109.92
9939	2.87	111.63	109.89
9941	2.87	111.62	109.92
9943	2.89	111.63	109.91
9945	2.84	111.61	109.88
9947	2.85	111.62	109.89

9949	2.86	111.63	109.89
9951	2.83	111.62	109.89
9953	2.83	111.60	109.86
9955	2.82	111.60	109.86
9957	2.83	111.59	109.89
9959	2.85	111.62	109.86
9961	2.84	111.60	109.86
9963	2.84	111.61	109.87
9965	2.85	111.60	109.88
9967	2.83	111.61	109.86
9969	2.82	111.58	109.84
9971	2.85	111.59	109.87
9973	2.85	111.59	109.86
9975	2.85	111.59	109.84
9977	2.84	111.58	109.86
9979	2.85	111.60	109.86
9981	2.87	111.60	109.86
9983	2.84	111.61	109.86
9985	2.83	111.59	109.85
9987	2.89	111.60	109.87
9989	2.85	111.59	109.85
9991	2.83	111.58	109.84
9993	2.88	111.58	109.84
9995	2.85	111.59	109.85
9997	2.85	111.58	109.84
9999	2.84	111.60	109.83
10001	2.82	111.57	109.86
10003	2.88	111.58	109.84
10005	2.84	111.58	109.85
10007	2.86	111.56	109.84
10009	2.86	111.58	109.84
10011	2.83	111.58	109.84
10013	2.84	111.56	109.82
10015	2.87	111.55	109.83
10017	2.86	111.59	109.83
10019	2.87	111.56	109.83
10021	2.85	111.56	109.81
10023	2.82	111.57	109.83
10025	2.85	111.57	109.82
10027	2.85	111.57	109.83
10029	2.85	111.55	109.80
10031	2.83	111.55	109.79
10033	2.83	111.52	109.82
10035	2.84	111.53	109.80
10037	2.82	111.53	109.78
10039	2.82	111.54	109.81
10041	2.84	111.51	109.78

10043	2.84	111.53	109.78
10045	2.83	111.52	109.76
10047	2.81	111.54	109.77
10049	2.83	111.53	109.78
10051	2.80	111.52	109.80
10053	2.84	111.51	109.76
10055	2.80	111.50	109.78
10057	2.80	111.51	109.76
10059	2.84	111.51	109.77
10061	2.82	111.51	109.76
10063	2.84	111.51	109.77
10065	2.85	111.51	109.75
10067	2.83	111.52	109.76
10069	2.84	111.50	109.76
10071	2.85	111.53	109.78
10073	2.83	111.48	109.76
10075	2.88	111.53	109.77
10077	2.83	111.50	109.77
10079	2.86	111.52	109.74
10081	2.87	111.54	109.75
10083	2.86	111.50	109.77
10085	2.82	111.52	109.76
10087	2.86	111.52	109.77
10089	2.83	111.50	109.76
10091	2.84	111.48	109.77
10093	2.84	111.49	109.75
10095	2.83	111.47	109.74
10097	2.83	111.50	109.75
10099	2.86	111.49	109.74
10101	2.83	111.47	109.74
10103	2.82	111.47	109.73
10105	2.83	111.48	109.72
10107	2.81	111.48	109.73
10109	2.83	111.46	109.73
10111	2.84	111.46	109.74
10113	2.83	111.45	109.71
10115	2.85	111.44	109.69
10117	2.85	111.48	109.70
10119	2.83	111.45	109.71
10121	2.80	111.43	109.70
10123	2.83	111.46	109.69
10125	2.82	111.45	109.70
10127	2.82	111.44	109.69
10129	2.80	111.45	109.69
10131	2.81	111.45	109.69
10133	2.80	111.46	109.72
10135	2.83	111.44	109.69

10137	2.82	111.43	109.68
10139	2.84	111.44	109.69
10141	2.84	111.45	109.67
10143	2.83	111.41	109.70
10145	2.83	111.45	109.68
10147	2.83	111.46	109.70
10149	2.84	111.47	109.68
10151	2.83	111.43	109.69
10153	2.82	111.45	109.69
10155	2.84	111.45	109.68
10157	2.85	111.45	109.71
10159	2.85	111.42	109.66
10161	2.81	111.44	109.69
10163	2.87	111.44	109.70
10165	2.82	111.44	109.68
10167	2.85	111.43	109.67
10169	2.81	111.41	109.67
10171	2.84	111.40	109.68
10173	2.86	111.41	109.67
10175	2.84	111.41	109.67
10177	2.82	111.39	109.65
10179	2.85	111.41	109.64
10181	2.82	111.40	109.66
10183	2.85	111.41	109.65
10185	2.81	111.39	109.66
10187	2.83	111.43	109.65
10189	2.80	111.42	109.64
10191	2.85	111.40	109.65
10193	2.87	111.36	109.66
10195	2.82	111.40	109.64
10197	2.85	111.41	109.66
10199	2.86	111.42	109.65
10201	2.85	111.37	109.65
10203	2.83	111.39	109.65
10205	2.83	111.41	109.65
10207	2.83	111.40	109.66
10209	2.87	111.38	109.62
10211	2.85	111.40	109.62
10213	2.84	111.41	109.64
10215	2.85	111.39	109.65
10217	2.86	111.38	109.62
10219	2.86	111.39	109.64
10221	2.83	111.38	109.63
10223	2.83	111.38	109.63
10225	2.81	111.37	109.61
10227	2.81	111.35	109.61
10229	2.83	111.38	109.61

10231	2.80	111.37	109.60
10233	2.81	111.37	109.61
10235	2.82	111.35	109.61
10237	2.84	111.37	109.62
10239	2.88	111.36	109.65
10241	2.86	111.36	109.60
10243	2.86	111.36	109.61
10245	2.87	111.36	109.62
10247	2.83	111.38	109.61
10249	2.85	111.36	109.60
10251	2.85	111.35	109.59
10253	2.87	111.35	109.63
10255	2.83	111.33	109.58
10257	2.84	111.36	109.61
10259	2.83	111.35	109.61
10261	2.84	111.35	109.59
10263	2.83	111.32	109.58
10265	2.80	111.34	109.57
10267	2.83	111.35	109.59
10269	2.82	111.32	109.59
10271	2.82	111.31	109.59
10273	2.85	111.34	109.60
10275	2.84	111.32	109.58
10277	2.84	111.33	109.60
10279	2.83	111.33	109.61
10281	2.85	111.32	109.59
10283	2.83	111.32	109.60
10285	2.83	111.31	109.61
10287	2.85	111.31	109.60
10289	2.86	111.32	109.60
10291	2.84	111.33	109.57
10293	2.82	111.31	109.59
10295	2.87	111.32	109.57
10297	2.88	111.31	109.57
10299	2.85	111.35	109.55
10301	2.84	111.31	109.56
10303	2.83	111.30	109.56
10305	2.84	111.32	109.57
10307	2.88	111.32	109.59
10309	2.82	111.29	109.56
10311	2.86	111.28	109.57
10313	2.84	111.31	109.56
10315	2.85	111.30	109.56
10317	2.87	111.30	109.56
10319	2.84	111.30	109.54
10321	2.87	111.30	109.55
10323	2.89	111.30	109.54

10325	2.85	111.28	109.53
10327	2.81	111.28	109.56
10329	2.86	111.31	109.56
10331	2.84	111.29	109.54
10333	2.86	111.28	109.52
10335	2.86	111.29	109.53
10337	2.87	111.29	109.55
10339	2.87	111.29	109.55
10341	2.86	111.29	109.52
10343	2.82	111.29	109.52
10345	2.82	111.26	109.52
10347	2.85	111.24	109.51
10349	2.85	111.28	109.52
10351	2.81	111.26	109.52
10353	2.84	111.24	109.51
10355	2.80	111.26	109.52
10357	2.82	111.25	109.50
10359	2.84	111.25	109.50
10361	2.85	111.26	109.52
10363	2.85	111.25	109.51
10365	2.84	111.26	109.54
10367	2.84	111.26	109.51
10369	2.86	111.26	109.55
10371	2.87	111.27	109.51
10373	2.86	111.27	109.53
10375	2.85	111.27	109.55
10377	2.84	111.22	109.53
10379	2.82	111.22	109.49
10381	2.85	111.22	109.49
10383	2.85	111.20	109.49
10385	2.83	111.23	109.49
10387	2.81	111.24	109.52
10389	2.83	111.24	109.51
10391	2.86	111.22	109.48
10393	2.85	111.23	109.49
10395	2.86	111.25	109.47
10397	2.87	111.25	109.49
10399	2.85	111.21	109.47
10401	2.81	111.20	109.48
10403	2.83	111.21	109.45
10405	2.84	111.22	109.47
10407	2.78	111.21	109.46
10409	2.83	111.16	109.46
10411	2.86	111.22	109.47
10413	2.84	111.20	109.47
10415	2.86	111.21	109.47
10417	2.85	111.21	109.46

10419	2.84	111.21	109.47
10421	2.85	111.20	109.46
10423	2.82	111.19	109.42
10425	2.83	111.21	109.44
10427	2.82	111.18	109.43
10429	2.83	111.19	109.43
10431	2.80	111.20	109.45
10433	2.85	111.20	109.46
10435	2.85	111.21	109.48
10437	2.83	111.20	109.47
10439	2.83	111.18	109.46
10441	2.87	111.16	109.46
10443	2.86	111.18	109.47
10445	2.83	111.18	109.44
10447	2.81	111.17	109.43
10449	2.86	111.17	109.45
10451	2.83	111.18	109.43
10453	2.84	111.17	109.45
10455	2.82	111.19	109.43
10457	2.83	111.17	109.45
10459	2.87	111.18	109.45
10461	2.83	111.17	109.44
10463	2.82	111.17	109.44
10465	2.87	111.16	109.44
10467	2.84	111.17	109.45
10469	2.85	111.16	109.43
10471	2.84	111.14	109.42
10473	2.81	111.16	109.41
10475	2.80	111.17	109.40
10477	2.84	111.15	109.41
10479	2.79	111.13	109.41
10481	2.80	111.12	109.40
10483	2.84	111.12	109.39
10485	2.87	111.16	109.43
10487	2.82	111.14	109.43
10489	2.86	111.15	109.42
10491	2.84	111.16	109.45
10493	2.86	111.15	109.44
10495	2.82	111.15	109.43
10497	2.83	111.15	109.41
10499	2.90	111.13	109.41
10501	2.86	111.15	109.40
10503	2.85	111.14	109.44
10505	2.84	111.12	109.39
10507	2.84	111.12	109.42
10509	2.81	111.14	109.39
10511	2.83	111.15	109.39

10513	2.83	111.10	109.37
10515	2.81	111.11	109.36
10517	2.85	111.13	109.39
10519	2.83	111.11	109.38
10521	2.82	111.09	109.33
10523	2.80	111.11	109.37
10525	2.84	111.11	109.38
10527	2.84	111.07	109.37
10529	2.83	111.11	109.36
10531	2.86	111.10	109.37
10533	2.84	111.14	109.38
10535	2.84	111.13	109.39
10537	2.85	111.11	109.37
10539	2.85	111.10	109.37
10541	2.84	111.11	109.38
10543	2.85	111.10	109.36
10545	2.86	111.09	109.38
10547	2.84	111.10	109.36
10549	2.88	111.11	109.38
10551	2.86	111.10	109.36
10553	2.83	111.09	109.37
10555	2.84	111.10	109.36
10557	2.84	111.12	109.36
10559	2.86	111.11	109.37
10561	2.81	111.08	109.34
10563	2.82	111.09	109.34
10565	2.85	111.08	109.36
10567	2.87	111.10	109.36
10569	2.82	111.10	109.34
10571	2.84	111.07	109.35
10573	2.87	111.09	109.34
10575	2.84	111.09	109.34
10577	2.86	111.06	109.34
10579	2.85	111.05	109.33
10581	2.86	111.07	109.34
10583	2.85	111.06	109.35
10585	2.84	111.08	109.34
10587	2.84	111.08	109.33
10589	2.86	111.08	109.34
10591	2.87	111.06	109.34
10593	2.85	111.07	109.31
10595	2.83	111.05	109.32
10597	2.88	111.07	109.34
10599	2.88	111.07	109.32
10601	2.88	111.06	109.32
10603	2.87	111.06	109.31
10605	2.83	111.04	109.29

10607	2.84	111.04	109.33
10609	2.83	111.05	109.31
10611	2.84	111.02	109.28
10613	2.82	111.07	109.32
10615	2.83	111.04	109.30
10617	2.82	111.02	109.30
10619	2.80	111.03	109.29
10621	2.84	111.03	109.28
10623	2.81	111.05	109.28
10625	2.85	111.05	109.30
10627	2.86	111.04	109.29
10629	2.87	111.02	109.31
10631	2.86	111.05	109.29
10633	2.87	111.05	109.32
10635	2.83	111.02	109.30
10637	2.81	111.05	109.30
10639	2.84	111.00	109.29
10641	2.87	111.03	109.30
10643	2.83	111.01	109.31
10645	2.81	111.02	109.30
10647	2.81	111.00	109.30
10649	2.81	111.00	109.25
10651	2.86	111.00	109.28
10653	2.88	111.03	109.31
10655	2.83	111.00	109.29
10657	2.85	111.02	109.27
10659	2.87	111.03	109.26
10661	2.85	111.00	109.28
10663	2.84	111.01	109.27
10665	2.81	110.99	109.27
10667	2.86	111.01	109.27
10669	2.82	111.00	109.25
10671	2.83	110.99	109.26
10673	2.85	111.00	109.28
10675	2.84	110.99	109.27
10677	2.86	111.01	109.25
10679	2.82	110.99	109.25
10681	2.86	110.99	109.25
10683	2.83	110.99	109.25
10685	2.83	110.99	109.27
10687	2.85	110.98	109.24
10689	2.82	110.99	109.25
10691	2.82	110.97	109.25
10693	2.83	110.99	109.24
10695	2.86	110.97	109.25
10697	2.86	110.97	109.23
10699	2.83	110.99	109.26

10701	2.87	110.98	109.24
10703	2.87	110.98	109.27
10705	2.84	110.98	109.25
10707	2.84	110.98	109.25
10709	2.82	110.96	109.24
10711	2.83	110.98	109.23
10713	2.81	110.95	109.19
10715	2.83	110.97	109.22
10717	2.81	110.95	109.22
10719	2.84	110.98	109.22
10721	2.85	110.95	109.22
10723	2.83	110.97	109.23
10725	2.87	110.94	109.23
10727	2.87	110.99	109.24
10729	2.85	110.96	109.22
10731	2.83	110.97	109.22
10733	2.82	110.94	109.22
10735	2.84	110.93	109.21
10737	2.84	110.94	109.22
10739	2.83	110.95	109.22
10741	2.82	110.94	109.20
10743	2.84	110.94	109.21
10745	2.85	110.92	109.21
10747	2.84	110.94	109.23
10749	2.82	110.92	109.20
10751	2.83	110.91	109.21
10753	2.83	110.89	109.20
10755	2.82	110.93	109.23
10757	2.88	110.91	109.20
10759	2.82	110.92	109.20
10761	2.81	110.91	109.19
10763	2.80	110.89	109.19
10765	2.85	110.91	109.18
10767	2.82	110.91	109.21
10769	2.81	110.90	109.18
10771	2.85	110.91	109.16
10773	2.84	110.92	109.19
10775	2.81	110.90	109.17
10777	2.82	110.89	109.17
10779	2.80	110.91	109.18
10781	2.85	110.91	109.18
10783	2.81	110.91	109.18
10785	2.82	110.87	109.15
10787	2.82	110.89	109.18
10789	2.82	110.88	109.17
10791	2.86	110.90	109.19
10793	2.85	110.88	109.16

10795	2.81	110.88	109.18
10797	2.86	110.88	109.17
10799	2.83	110.90	109.19
10801	2.86	110.89	109.18
10803	2.84	110.89	109.19
10805	2.83	110.88	109.16
10807	2.87	110.89	109.17
10809	2.86	110.91	109.17
10811	2.87	110.89	109.16
10813	2.84	110.88	109.16
10815	2.84	110.89	109.17
10817	2.86	110.89	109.15
10819	2.80	110.86	109.13
10821	2.83	110.88	109.15
10823	2.85	110.87	109.14
10825	2.82	110.85	109.15
10827	2.82	110.87	109.15
10829	2.82	110.87	109.18
10831	2.85	110.88	109.13
10833	2.84	110.87	109.14
10835	2.80	110.84	109.15
10837	2.83	110.85	109.15
10839	2.88	110.86	109.13
10841	2.85	110.87	109.15
10843	2.83	110.87	109.15
10845	2.84	110.85	109.14
10847	2.87	110.88	109.15
10849	2.87	110.87	109.16
10851	2.86	110.85	109.15
10853	2.84	110.86	109.12
10855	2.83	110.86	109.12
10857	2.86	110.85	109.15
10859	2.85	110.86	109.13
10861	2.85	110.86	109.12
10863	2.83	110.84	109.13
10865	2.83	110.83	109.13
10867	2.80	110.85	109.13
10869	2.81	110.83	109.12
10871	2.82	110.83	109.11
10873	2.82	110.80	109.11
10875	2.85	110.84	109.13
10877	2.82	110.84	109.13
10879	2.85	110.84	109.12
10881	2.87	110.83	109.11
10883	2.83	110.86	109.14
10885	2.87	110.82	109.14
10887	2.84	110.83	109.13

10889	2.84	110.83	109.13
10891	2.86	110.83	109.12
10893	2.83	110.81	109.12
10895	2.83	110.81	109.12
10897	2.85	110.81	109.11
10899	2.84	110.82	109.12
10901	2.80	110.79	109.09
10903	2.83	110.79	109.06
10905	2.83	110.83	109.08
10907	2.85	110.80	109.08
10909	2.83	110.81	109.07
10911	2.84	110.81	109.07
10913	2.84	110.81	109.09
10915	2.85	110.82	109.08
10917	2.84	110.83	109.07
10919	2.84	110.83	109.08
10921	2.83	110.81	109.10
10923	2.88	110.82	109.09
10925	2.86	110.82	109.08
10927	2.85	110.80	109.08
10929	2.83	110.81	109.08
10931	2.85	110.81	109.08
10933	2.83	110.81	109.08
10935	2.85	110.80	109.07
10937	2.82	110.82	109.06
10939	2.82	110.77	109.05
10941	2.83	110.77	109.06
10943	2.82	110.79	109.06
10945	2.81	110.77	109.05
10947	2.85	110.78	109.06
10949	2.83	110.78	109.04
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10957	2.83	110.77	109.04
10959	2.84	110.77	109.06
10961	2.84	110.75	109.07
10963	2.84	110.84	109.08
10965	2.83	110.98	109.08
10967	2.84	111.22	109.06
10969	2.86	111.49	109.05
10971	2.82	111.75	109.07
10973	2.82	112.02	109.08
10975	2.85	112.32	109.06
10977	2.83	112.56	109.06
10979	2.85	112.76	109.06
10981	2.85	112.94	109.04

10983	2.87	113.10	109.03
10985	2.83	113.29	109.05
10987	2.84	113.47	109.03
10989	2.82	113.62	109.02
10991	2.84	113.80	109.04
10993	2.84	113.99	109.03
10995	2.85	114.12	109.04
10997	2.85	114.25	109.04
10999	2.84	114.37	109.04
11001	2.84	114.49	109.03
11003	2.82	114.57	109.03
11005	2.83	114.65	109.03
11007	2.80	114.74	109.03
11009	2.84	114.85	109.05
11011	2.82	114.92	109.05
11013	2.83	115.01	109.04
11015	2.82	115.09	109.04
11017	2.81	115.18	109.08
11019	2.85	115.31	109.06
11021	2.80	115.41	109.07
11023	2.83	115.49	109.06
11025	2.87	115.58	109.07
11027	2.82	115.64	109.08
11029	2.82	115.77	109.09
11031	2.79	115.85	109.07
11033	2.84	115.94	109.10
11035	2.81	116.04	109.07
11037	2.80	116.11	109.08
11039	2.79	116.22	109.11
11041	2.77	116.28	109.11
11043	2.80	116.40	109.11
11045	2.78	116.48	109.11
11047	2.79	116.56	109.11
11049	2.78	116.66	109.14
11051	2.79	116.76	109.14
11053	2.75	116.83	109.15
11055	2.79	116.53	109.16
11057	2.80	116.24	109.13
11059	2.78	115.78	109.16
11061	2.76	115.37	109.15
11063	2.79	114.98	109.16
11065	2.79	114.64	109.16
11067	2.82	114.30	109.17
11069	2.80	113.98	109.16
11071	2.79	113.70	109.16
11073	2.77	113.44	109.17
11075	2.78	113.29	109.18

11077	2.79	113.12	109.21
11079	2.77	112.99	109.18
11081	2.80	112.90	109.17
11083	2.79	112.86	109.18
11085	2.79	112.81	109.19
11087	2.80	112.76	109.22
11089	2.80	112.73	109.20
11091	2.79	112.71	109.19
11093	2.79	112.70	109.18
11095	2.80	112.68	109.18
11097	2.83	112.67	109.16
11099	2.74	112.67	109.16
11101	2.76	112.65	109.16
11103	2.80	112.67	109.16
11105	2.81	112.67	109.17
11107	2.80	112.66	109.17
11109	2.80	112.66	109.16
11111	2.80	112.64	109.18
11113	2.76	112.61	109.17
11115	2.80	112.60	109.19
11117	2.80	112.60	109.18



Appendix D – Packer Testing Groundwater Analytical Report and Chain-of-Custody Documentation



ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Tim Uhler
Groundwater & Environmental Services Inc
410 Eagleview Boulevard
Suite 110
Exton, Pennsylvania 19341-2577

Generated 4/7/2026 4:34:03 PM

JOB DESCRIPTION

GTAC-Bishop Tube HSCA Site

JOB NUMBER

410-273812-1

Eurofins Lancaster Laboratories Environment Testing, LLC

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Authorized for release by
Amek Carter, Project Manager
Loran.Carter@et.eurofinsus.com
(717)556-7252

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Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.

- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

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WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.



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Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-273812-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
H3	Sample was received and analyzed past holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Groundwater & Environmental Services Inc
Project: GTAC-Bishop Tube HSCA Site

Job ID: 410-273812-1

Job ID: 410-273812-1

Eurofins Lancaster Laboratories Environment

Job Narrative 410-273812-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 4/3/2026 2:15 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.2°C.

Receipt Exceptions

The Chain-of-Custody (COC) was incomplete as received. The COC is missing the Sample Type (Grab or Composite)>. This does not meet regulatory requirements.

GC/MS VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-273812-1

Client Sample ID: MW-85 @ 165'-180'

Lab Sample ID: 410-273812-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	9.3	J	20	6.0	ug/L	20		8260D	Total/NA
Trichloroethene	920		20	6.0	ug/L	20		8260D	Total/NA

Client Sample ID: MW-85 @ 135'-150'

Lab Sample ID: 410-273812-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	23		20	6.0	ug/L	20		8260D	Total/NA
Acetone	25	J	400	14	ug/L	20		8260D	Total/NA
Chloroform	14	J	20	6.0	ug/L	20		8260D	Total/NA
Benzene	14	J	20	6.0	ug/L	20		8260D	Total/NA
Trichloroethene	1700		20	6.0	ug/L	20		8260D	Total/NA

Client Sample ID: MW-85 @ 190'-205'

Lab Sample ID: 410-273812-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	7.1	J	20	6.0	ug/L	20		8260D	Total/NA
cis-1,2-Dichloroethene	80		20	6.0	ug/L	20		8260D	Total/NA
Chloroform	11	J	20	6.0	ug/L	20		8260D	Total/NA
Trichloroethene	680		20	6.0	ug/L	20		8260D	Total/NA

Client Sample ID: MW-85 @ 65'-80'

Lab Sample ID: 410-273812-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	29		20	6.0	ug/L	20		8260D	Total/NA
Chloroform	9.7	J	20	6.0	ug/L	20		8260D	Total/NA
Bromoform	40	J	80	20	ug/L	20		8260D	Total/NA
Trichloroethene	1900		20	6.0	ug/L	20		8260D	Total/NA

Client Sample ID: Duplicate #1

Lab Sample ID: 410-273812-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	32		20	6.0	ug/L	20		8260D	Total/NA
Chloroform	14	J	20	6.0	ug/L	20		8260D	Total/NA
Trichloroethene	2100		20	6.0	ug/L	20		8260D	Total/NA

Client Sample ID: Trip Blank #1

Lab Sample ID: 410-273812-6

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-273812-1

Client Sample ID: MW-85 @ 165'-180'

Lab Sample ID: 410-273812-1

Date Collected: 04/02/26 15:45

Matrix: Water

Date Received: 04/03/26 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		20	4.0	ug/L			04/07/26 12:06	20
trans-1,3-Dichloropropene	ND		20	4.0	ug/L			04/07/26 12:06	20
Ethylbenzene	ND		20	8.0	ug/L			04/07/26 12:06	20
Styrene	ND		100	6.0	ug/L			04/07/26 12:06	20
1,4-Dichlorobenzene	ND		100	6.0	ug/L			04/07/26 12:06	20
1,2-Dibromoethane	ND		20	4.0	ug/L			04/07/26 12:06	20
1,2-Dichloroethane	ND		20	6.0	ug/L			04/07/26 12:06	20
4-Methyl-2-pentanone	ND		200	10	ug/L			04/07/26 12:06	20
Methylcyclohexane	ND		100	10	ug/L			04/07/26 12:06	20
Toluene	ND		20	6.0	ug/L			04/07/26 12:06	20
Chlorobenzene	ND		20	6.0	ug/L			04/07/26 12:06	20
Cyclohexane	ND		100	20	ug/L			04/07/26 12:06	20
1,2,4-Trichlorobenzene	ND		100	6.0	ug/L			04/07/26 12:06	20
Dibromochloromethane	ND		20	4.0	ug/L			04/07/26 12:06	20
Xylenes, Total	ND		20	8.0	ug/L			04/07/26 12:06	20
Tetrachloroethene	9.3	J	20	6.0	ug/L			04/07/26 12:06	20
cis-1,2-Dichloroethene	ND		20	6.0	ug/L			04/07/26 12:06	20
trans-1,2-Dichloroethene	ND		40	14	ug/L			04/07/26 12:06	20
Methyl tertiary butyl ether	ND		20	4.0	ug/L			04/07/26 12:06	20
1,3-Dichlorobenzene	ND		100	14	ug/L			04/07/26 12:06	20
Carbon tetrachloride	ND		20	6.0	ug/L			04/07/26 12:06	20
2-Hexanone	ND		200	17	ug/L			04/07/26 12:06	20
Acetone	ND		400	14	ug/L			04/07/26 12:06	20
Chloroform	ND		20	6.0	ug/L			04/07/26 12:06	20
Benzene	ND		20	6.0	ug/L			04/07/26 12:06	20
1,1,1-Trichloroethane	ND		20	6.0	ug/L			04/07/26 12:06	20
Bromomethane	ND		20	6.0	ug/L			04/07/26 12:06	20
Chloromethane	ND		40	11	ug/L			04/07/26 12:06	20
Chloroethane	ND		20	6.0	ug/L			04/07/26 12:06	20
Vinyl chloride	ND		20	6.0	ug/L			04/07/26 12:06	20
Methylene Chloride	ND		20	6.0	ug/L			04/07/26 12:06	20
Carbon disulfide	ND		100	6.0	ug/L			04/07/26 12:06	20
Bromoform	ND		80	20	ug/L			04/07/26 12:06	20
Bromodichloromethane	ND		20	4.0	ug/L			04/07/26 12:06	20
1,1-Dichloroethane	ND		20	6.0	ug/L			04/07/26 12:06	20
1,1-Dichloroethene	ND		20	6.0	ug/L			04/07/26 12:06	20
Trichlorofluoromethane	ND		20	6.0	ug/L			04/07/26 12:06	20
Dichlorodifluoromethane	ND		20	6.0	ug/L			04/07/26 12:06	20
Freon 113	ND		200	6.0	ug/L			04/07/26 12:06	20
1,2-Dichloropropane	ND		20	6.0	ug/L			04/07/26 12:06	20
2-Butanone	ND		200	20	ug/L			04/07/26 12:06	20
1,1,2-Trichloroethane	ND		20	6.0	ug/L			04/07/26 12:06	20
Trichloroethene	920		20	6.0	ug/L			04/07/26 12:06	20
Methyl acetate	ND		100	6.0	ug/L			04/07/26 12:06	20
1,1,2,2-Tetrachloroethane	ND		20	6.0	ug/L			04/07/26 12:06	20
1,2-Dichlorobenzene	ND		100	4.0	ug/L			04/07/26 12:06	20
1,2-Dibromo-3-Chloropropane	ND		100	6.0	ug/L			04/07/26 12:06	20
Isopropylbenzene	ND		100	6.0	ug/L			04/07/26 12:06	20

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-273812-1

Client Sample ID: MW-85 @ 165'-180'

Lab Sample ID: 410-273812-1

Date Collected: 04/02/26 15:45

Matrix: Water

Date Received: 04/03/26 14:15

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	102		89 - 112		04/07/26 12:06	20
Dibromofluoromethane (Surr)	101		86 - 115		04/07/26 12:06	20
4-Bromofluorobenzene (Surr)	101		87 - 109		04/07/26 12:06	20
Toluene-d8 (Surr)	99		91 - 112		04/07/26 12:06	20

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-273812-1

Client Sample ID: MW-85 @ 135'-150'

Lab Sample ID: 410-273812-2

Date Collected: 04/01/26 10:35

Matrix: Water

Date Received: 04/03/26 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		20	4.0	ug/L			04/07/26 12:29	20
trans-1,3-Dichloropropene	ND		20	4.0	ug/L			04/07/26 12:29	20
Ethylbenzene	ND		20	8.0	ug/L			04/07/26 12:29	20
Styrene	ND		100	6.0	ug/L			04/07/26 12:29	20
1,4-Dichlorobenzene	ND		100	6.0	ug/L			04/07/26 12:29	20
1,2-Dibromoethane	ND		20	4.0	ug/L			04/07/26 12:29	20
1,2-Dichloroethane	ND		20	6.0	ug/L			04/07/26 12:29	20
4-Methyl-2-pentanone	ND		200	10	ug/L			04/07/26 12:29	20
Methylcyclohexane	ND		100	10	ug/L			04/07/26 12:29	20
Toluene	ND		20	6.0	ug/L			04/07/26 12:29	20
Chlorobenzene	ND		20	6.0	ug/L			04/07/26 12:29	20
Cyclohexane	ND		100	20	ug/L			04/07/26 12:29	20
1,2,4-Trichlorobenzene	ND		100	6.0	ug/L			04/07/26 12:29	20
Dibromochloromethane	ND		20	4.0	ug/L			04/07/26 12:29	20
Xylenes, Total	ND		20	8.0	ug/L			04/07/26 12:29	20
Tetrachloroethene	23		20	6.0	ug/L			04/07/26 12:29	20
cis-1,2-Dichloroethene	ND		20	6.0	ug/L			04/07/26 12:29	20
trans-1,2-Dichloroethene	ND		40	14	ug/L			04/07/26 12:29	20
Methyl tertiary butyl ether	ND		20	4.0	ug/L			04/07/26 12:29	20
1,3-Dichlorobenzene	ND		100	14	ug/L			04/07/26 12:29	20
Carbon tetrachloride	ND		20	6.0	ug/L			04/07/26 12:29	20
2-Hexanone	ND		200	17	ug/L			04/07/26 12:29	20
Acetone	25 J		400	14	ug/L			04/07/26 12:29	20
Chloroform	14 J		20	6.0	ug/L			04/07/26 12:29	20
Benzene	14 J		20	6.0	ug/L			04/07/26 12:29	20
1,1,1-Trichloroethane	ND		20	6.0	ug/L			04/07/26 12:29	20
Bromomethane	ND		20	6.0	ug/L			04/07/26 12:29	20
Chloromethane	ND		40	11	ug/L			04/07/26 12:29	20
Chloroethane	ND		20	6.0	ug/L			04/07/26 12:29	20
Vinyl chloride	ND		20	6.0	ug/L			04/07/26 12:29	20
Methylene Chloride	ND		20	6.0	ug/L			04/07/26 12:29	20
Carbon disulfide	ND		100	6.0	ug/L			04/07/26 12:29	20
Bromoform	ND		80	20	ug/L			04/07/26 12:29	20
Bromodichloromethane	ND		20	4.0	ug/L			04/07/26 12:29	20
1,1-Dichloroethane	ND		20	6.0	ug/L			04/07/26 12:29	20
1,1-Dichloroethene	ND		20	6.0	ug/L			04/07/26 12:29	20
Trichlorofluoromethane	ND		20	6.0	ug/L			04/07/26 12:29	20
Dichlorodifluoromethane	ND		20	6.0	ug/L			04/07/26 12:29	20
Freon 113	ND		200	6.0	ug/L			04/07/26 12:29	20
1,2-Dichloropropane	ND		20	6.0	ug/L			04/07/26 12:29	20
2-Butanone	ND		200	20	ug/L			04/07/26 12:29	20
1,1,2-Trichloroethane	ND		20	6.0	ug/L			04/07/26 12:29	20
Trichloroethene	1700		20	6.0	ug/L			04/07/26 12:29	20
Methyl acetate	ND		100	6.0	ug/L			04/07/26 12:29	20
1,1,2,2-Tetrachloroethane	ND		20	6.0	ug/L			04/07/26 12:29	20
1,2-Dichlorobenzene	ND		100	4.0	ug/L			04/07/26 12:29	20
1,2-Dibromo-3-Chloropropane	ND		100	6.0	ug/L			04/07/26 12:29	20
Isopropylbenzene	ND		100	6.0	ug/L			04/07/26 12:29	20

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-273812-1

Client Sample ID: MW-85 @ 135'-150'

Lab Sample ID: 410-273812-2

Date Collected: 04/01/26 10:35

Matrix: Water

Date Received: 04/03/26 14:15

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	102		89 - 112		04/07/26 12:29	20
Dibromofluoromethane (Surr)	100		86 - 115		04/07/26 12:29	20
4-Bromofluorobenzene (Surr)	100		87 - 109		04/07/26 12:29	20
Toluene-d8 (Surr)	100		91 - 112		04/07/26 12:29	20

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-273812-1

Client Sample ID: MW-85 @ 190'-205'

Lab Sample ID: 410-273812-3

Date Collected: 04/01/26 16:45

Matrix: Water

Date Received: 04/03/26 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		20	4.0	ug/L			04/07/26 12:51	20
trans-1,3-Dichloropropene	ND		20	4.0	ug/L			04/07/26 12:51	20
Ethylbenzene	ND		20	8.0	ug/L			04/07/26 12:51	20
Styrene	ND		100	6.0	ug/L			04/07/26 12:51	20
1,4-Dichlorobenzene	ND		100	6.0	ug/L			04/07/26 12:51	20
1,2-Dibromoethane	ND		20	4.0	ug/L			04/07/26 12:51	20
1,2-Dichloroethane	ND		20	6.0	ug/L			04/07/26 12:51	20
4-Methyl-2-pentanone	ND		200	10	ug/L			04/07/26 12:51	20
Methylcyclohexane	ND		100	10	ug/L			04/07/26 12:51	20
Toluene	ND		20	6.0	ug/L			04/07/26 12:51	20
Chlorobenzene	ND		20	6.0	ug/L			04/07/26 12:51	20
Cyclohexane	ND		100	20	ug/L			04/07/26 12:51	20
1,2,4-Trichlorobenzene	ND		100	6.0	ug/L			04/07/26 12:51	20
Dibromochloromethane	ND		20	4.0	ug/L			04/07/26 12:51	20
Xylenes, Total	ND		20	8.0	ug/L			04/07/26 12:51	20
Tetrachloroethene	7.1	J	20	6.0	ug/L			04/07/26 12:51	20
cis-1,2-Dichloroethene	80		20	6.0	ug/L			04/07/26 12:51	20
trans-1,2-Dichloroethene	ND		40	14	ug/L			04/07/26 12:51	20
Methyl tertiary butyl ether	ND		20	4.0	ug/L			04/07/26 12:51	20
1,3-Dichlorobenzene	ND		100	14	ug/L			04/07/26 12:51	20
Carbon tetrachloride	ND		20	6.0	ug/L			04/07/26 12:51	20
2-Hexanone	ND		200	17	ug/L			04/07/26 12:51	20
Acetone	ND		400	14	ug/L			04/07/26 12:51	20
Chloroform	11	J	20	6.0	ug/L			04/07/26 12:51	20
Benzene	ND		20	6.0	ug/L			04/07/26 12:51	20
1,1,1-Trichloroethane	ND		20	6.0	ug/L			04/07/26 12:51	20
Bromomethane	ND		20	6.0	ug/L			04/07/26 12:51	20
Chloromethane	ND		40	11	ug/L			04/07/26 12:51	20
Chloroethane	ND		20	6.0	ug/L			04/07/26 12:51	20
Vinyl chloride	ND		20	6.0	ug/L			04/07/26 12:51	20
Methylene Chloride	ND		20	6.0	ug/L			04/07/26 12:51	20
Carbon disulfide	ND		100	6.0	ug/L			04/07/26 12:51	20
Bromoform	ND		80	20	ug/L			04/07/26 12:51	20
Bromodichloromethane	ND		20	4.0	ug/L			04/07/26 12:51	20
1,1-Dichloroethane	ND		20	6.0	ug/L			04/07/26 12:51	20
1,1-Dichloroethene	ND		20	6.0	ug/L			04/07/26 12:51	20
Trichlorofluoromethane	ND		20	6.0	ug/L			04/07/26 12:51	20
Dichlorodifluoromethane	ND		20	6.0	ug/L			04/07/26 12:51	20
Freon 113	ND		200	6.0	ug/L			04/07/26 12:51	20
1,2-Dichloropropane	ND		20	6.0	ug/L			04/07/26 12:51	20
2-Butanone	ND		200	20	ug/L			04/07/26 12:51	20
1,1,2-Trichloroethane	ND		20	6.0	ug/L			04/07/26 12:51	20
Trichloroethene	680		20	6.0	ug/L			04/07/26 12:51	20
Methyl acetate	ND		100	6.0	ug/L			04/07/26 12:51	20
1,1,2,2-Tetrachloroethane	ND		20	6.0	ug/L			04/07/26 12:51	20
1,2-Dichlorobenzene	ND		100	4.0	ug/L			04/07/26 12:51	20
1,2-Dibromo-3-Chloropropane	ND		100	6.0	ug/L			04/07/26 12:51	20
Isopropylbenzene	ND		100	6.0	ug/L			04/07/26 12:51	20

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-273812-1

Client Sample ID: MW-85 @ 190'-205'

Lab Sample ID: 410-273812-3

Date Collected: 04/01/26 16:45

Matrix: Water

Date Received: 04/03/26 14:15

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	103		89 - 112		04/07/26 12:51	20
Dibromofluoromethane (Surr)	102		86 - 115		04/07/26 12:51	20
4-Bromofluorobenzene (Surr)	100		87 - 109		04/07/26 12:51	20
Toluene-d8 (Surr)	98		91 - 112		04/07/26 12:51	20

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-273812-1

Client Sample ID: MW-85 @ 65'-80'

Lab Sample ID: 410-273812-4

Date Collected: 03/31/26 14:15

Matrix: Water

Date Received: 04/03/26 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		20	4.0	ug/L			04/07/26 13:13	20
trans-1,3-Dichloropropene	ND		20	4.0	ug/L			04/07/26 13:13	20
Ethylbenzene	ND		20	8.0	ug/L			04/07/26 13:13	20
Styrene	ND		100	6.0	ug/L			04/07/26 13:13	20
1,4-Dichlorobenzene	ND		100	6.0	ug/L			04/07/26 13:13	20
1,2-Dibromoethane	ND		20	4.0	ug/L			04/07/26 13:13	20
1,2-Dichloroethane	ND		20	6.0	ug/L			04/07/26 13:13	20
4-Methyl-2-pentanone	ND		200	10	ug/L			04/07/26 13:13	20
Methylcyclohexane	ND		100	10	ug/L			04/07/26 13:13	20
Toluene	ND		20	6.0	ug/L			04/07/26 13:13	20
Chlorobenzene	ND		20	6.0	ug/L			04/07/26 13:13	20
Cyclohexane	ND		100	20	ug/L			04/07/26 13:13	20
1,2,4-Trichlorobenzene	ND		100	6.0	ug/L			04/07/26 13:13	20
Dibromochloromethane	ND		20	4.0	ug/L			04/07/26 13:13	20
Xylenes, Total	ND		20	8.0	ug/L			04/07/26 13:13	20
Tetrachloroethene	29		20	6.0	ug/L			04/07/26 13:13	20
cis-1,2-Dichloroethene	ND		20	6.0	ug/L			04/07/26 13:13	20
trans-1,2-Dichloroethene	ND		40	14	ug/L			04/07/26 13:13	20
Methyl tertiary butyl ether	ND		20	4.0	ug/L			04/07/26 13:13	20
1,3-Dichlorobenzene	ND		100	14	ug/L			04/07/26 13:13	20
Carbon tetrachloride	ND		20	6.0	ug/L			04/07/26 13:13	20
2-Hexanone	ND		200	17	ug/L			04/07/26 13:13	20
Acetone	ND		400	14	ug/L			04/07/26 13:13	20
Chloroform	9.7 J		20	6.0	ug/L			04/07/26 13:13	20
Benzene	ND		20	6.0	ug/L			04/07/26 13:13	20
1,1,1-Trichloroethane	ND		20	6.0	ug/L			04/07/26 13:13	20
Bromomethane	ND		20	6.0	ug/L			04/07/26 13:13	20
Chloromethane	ND		40	11	ug/L			04/07/26 13:13	20
Chloroethane	ND		20	6.0	ug/L			04/07/26 13:13	20
Vinyl chloride	ND		20	6.0	ug/L			04/07/26 13:13	20
Methylene Chloride	ND		20	6.0	ug/L			04/07/26 13:13	20
Carbon disulfide	ND		100	6.0	ug/L			04/07/26 13:13	20
Bromoform	40 J		80	20	ug/L			04/07/26 13:13	20
Bromodichloromethane	ND		20	4.0	ug/L			04/07/26 13:13	20
1,1-Dichloroethane	ND		20	6.0	ug/L			04/07/26 13:13	20
1,1-Dichloroethene	ND		20	6.0	ug/L			04/07/26 13:13	20
Trichlorofluoromethane	ND		20	6.0	ug/L			04/07/26 13:13	20
Dichlorodifluoromethane	ND		20	6.0	ug/L			04/07/26 13:13	20
Freon 113	ND		200	6.0	ug/L			04/07/26 13:13	20
1,2-Dichloropropane	ND		20	6.0	ug/L			04/07/26 13:13	20
2-Butanone	ND		200	20	ug/L			04/07/26 13:13	20
1,1,2-Trichloroethane	ND		20	6.0	ug/L			04/07/26 13:13	20
Trichloroethene	1900		20	6.0	ug/L			04/07/26 13:13	20
Methyl acetate	ND		100	6.0	ug/L			04/07/26 13:13	20
1,1,2,2-Tetrachloroethane	ND		20	6.0	ug/L			04/07/26 13:13	20
1,2-Dichlorobenzene	ND		100	4.0	ug/L			04/07/26 13:13	20
1,2-Dibromo-3-Chloropropane	ND		100	6.0	ug/L			04/07/26 13:13	20
Isopropylbenzene	ND		100	6.0	ug/L			04/07/26 13:13	20

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-273812-1

Client Sample ID: MW-85 @ 65'-80'

Lab Sample ID: 410-273812-4

Date Collected: 03/31/26 14:15

Matrix: Water

Date Received: 04/03/26 14:15

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	101		89 - 112		04/07/26 13:13	20
Dibromofluoromethane (Surr)	99		86 - 115		04/07/26 13:13	20
4-Bromofluorobenzene (Surr)	101		87 - 109		04/07/26 13:13	20
Toluene-d8 (Surr)	99		91 - 112		04/07/26 13:13	20

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-273812-1

Client Sample ID: Duplicate #1

Lab Sample ID: 410-273812-5

Date Collected: 03/31/26 14:20

Matrix: Water

Date Received: 04/03/26 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		20	4.0	ug/L			04/07/26 13:36	20
trans-1,3-Dichloropropene	ND		20	4.0	ug/L			04/07/26 13:36	20
Ethylbenzene	ND		20	8.0	ug/L			04/07/26 13:36	20
Styrene	ND		100	6.0	ug/L			04/07/26 13:36	20
1,4-Dichlorobenzene	ND		100	6.0	ug/L			04/07/26 13:36	20
1,2-Dibromoethane	ND		20	4.0	ug/L			04/07/26 13:36	20
1,2-Dichloroethane	ND		20	6.0	ug/L			04/07/26 13:36	20
4-Methyl-2-pentanone	ND		200	10	ug/L			04/07/26 13:36	20
Methylcyclohexane	ND		100	10	ug/L			04/07/26 13:36	20
Toluene	ND		20	6.0	ug/L			04/07/26 13:36	20
Chlorobenzene	ND		20	6.0	ug/L			04/07/26 13:36	20
Cyclohexane	ND		100	20	ug/L			04/07/26 13:36	20
1,2,4-Trichlorobenzene	ND		100	6.0	ug/L			04/07/26 13:36	20
Dibromochloromethane	ND		20	4.0	ug/L			04/07/26 13:36	20
Xylenes, Total	ND		20	8.0	ug/L			04/07/26 13:36	20
Tetrachloroethene	32		20	6.0	ug/L			04/07/26 13:36	20
cis-1,2-Dichloroethene	ND		20	6.0	ug/L			04/07/26 13:36	20
trans-1,2-Dichloroethene	ND		40	14	ug/L			04/07/26 13:36	20
Methyl tertiary butyl ether	ND		20	4.0	ug/L			04/07/26 13:36	20
1,3-Dichlorobenzene	ND		100	14	ug/L			04/07/26 13:36	20
Carbon tetrachloride	ND		20	6.0	ug/L			04/07/26 13:36	20
2-Hexanone	ND		200	17	ug/L			04/07/26 13:36	20
Acetone	ND		400	14	ug/L			04/07/26 13:36	20
Chloroform	14 J		20	6.0	ug/L			04/07/26 13:36	20
Benzene	ND		20	6.0	ug/L			04/07/26 13:36	20
1,1,1-Trichloroethane	ND		20	6.0	ug/L			04/07/26 13:36	20
Bromomethane	ND		20	6.0	ug/L			04/07/26 13:36	20
Chloromethane	ND		40	11	ug/L			04/07/26 13:36	20
Chloroethane	ND		20	6.0	ug/L			04/07/26 13:36	20
Vinyl chloride	ND		20	6.0	ug/L			04/07/26 13:36	20
Methylene Chloride	ND		20	6.0	ug/L			04/07/26 13:36	20
Carbon disulfide	ND		100	6.0	ug/L			04/07/26 13:36	20
Bromoform	ND		80	20	ug/L			04/07/26 13:36	20
Bromodichloromethane	ND		20	4.0	ug/L			04/07/26 13:36	20
1,1-Dichloroethane	ND		20	6.0	ug/L			04/07/26 13:36	20
1,1-Dichloroethene	ND		20	6.0	ug/L			04/07/26 13:36	20
Trichlorofluoromethane	ND		20	6.0	ug/L			04/07/26 13:36	20
Dichlorodifluoromethane	ND		20	6.0	ug/L			04/07/26 13:36	20
Freon 113	ND		200	6.0	ug/L			04/07/26 13:36	20
1,2-Dichloropropane	ND		20	6.0	ug/L			04/07/26 13:36	20
2-Butanone	ND		200	20	ug/L			04/07/26 13:36	20
1,1,2-Trichloroethane	ND		20	6.0	ug/L			04/07/26 13:36	20
Trichloroethene	2100		20	6.0	ug/L			04/07/26 13:36	20
Methyl acetate	ND		100	6.0	ug/L			04/07/26 13:36	20
1,1,2,2-Tetrachloroethane	ND		20	6.0	ug/L			04/07/26 13:36	20
1,2-Dichlorobenzene	ND		100	4.0	ug/L			04/07/26 13:36	20
1,2-Dibromo-3-Chloropropane	ND		100	6.0	ug/L			04/07/26 13:36	20
Isopropylbenzene	ND		100	6.0	ug/L			04/07/26 13:36	20

Eurolins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-273812-1

Client Sample ID: Duplicate #1

Lab Sample ID: 410-273812-5

Date Collected: 03/31/26 14:20

Matrix: Water

Date Received: 04/03/26 14:15

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	100		89 - 112		04/07/26 13:36	20
Dibromofluoromethane (Surr)	101		86 - 115		04/07/26 13:36	20
4-Bromofluorobenzene (Surr)	101		87 - 109		04/07/26 13:36	20
Toluene-d8 (Surr)	101		91 - 112		04/07/26 13:36	20

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-273812-1

Client Sample ID: Trip Blank #1

Lab Sample ID: 410-273812-6

Date Collected: 03/16/26 00:00

Matrix: Water

Date Received: 04/03/26 14:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND	H H3	1.0	0.20	ug/L			04/07/26 11:21	1
trans-1,3-Dichloropropene	ND	H H3	1.0	0.20	ug/L			04/07/26 11:21	1
Ethylbenzene	ND	H H3	1.0	0.40	ug/L			04/07/26 11:21	1
Styrene	ND	H H3	5.0	0.30	ug/L			04/07/26 11:21	1
1,4-Dichlorobenzene	ND	H H3	5.0	0.30	ug/L			04/07/26 11:21	1
1,2-Dibromoethane	ND	H H3	1.0	0.20	ug/L			04/07/26 11:21	1
1,2-Dichloroethane	ND	H H3	1.0	0.30	ug/L			04/07/26 11:21	1
4-Methyl-2-pentanone	ND	H H3	10	0.50	ug/L			04/07/26 11:21	1
Methylcyclohexane	ND	H H3	5.0	0.50	ug/L			04/07/26 11:21	1
Toluene	ND	H H3	1.0	0.30	ug/L			04/07/26 11:21	1
Chlorobenzene	ND	H H3	1.0	0.30	ug/L			04/07/26 11:21	1
Cyclohexane	ND	H H3	5.0	1.0	ug/L			04/07/26 11:21	1
1,2,4-Trichlorobenzene	ND	H H3	5.0	0.30	ug/L			04/07/26 11:21	1
Dibromochloromethane	ND	H H3	1.0	0.20	ug/L			04/07/26 11:21	1
Xylenes, Total	ND	H H3	1.0	0.40	ug/L			04/07/26 11:21	1
Tetrachloroethene	ND	H H3	1.0	0.30	ug/L			04/07/26 11:21	1
cis-1,2-Dichloroethene	ND	H H3	1.0	0.30	ug/L			04/07/26 11:21	1
trans-1,2-Dichloroethene	ND	H H3	2.0	0.70	ug/L			04/07/26 11:21	1
Methyl tertiary butyl ether	ND	H H3	1.0	0.20	ug/L			04/07/26 11:21	1
1,3-Dichlorobenzene	ND	H H3	5.0	0.68	ug/L			04/07/26 11:21	1
Carbon tetrachloride	ND	H H3	1.0	0.30	ug/L			04/07/26 11:21	1
2-Hexanone	ND	H H3	10	0.85	ug/L			04/07/26 11:21	1
Acetone	ND	H H3	20	0.70	ug/L			04/07/26 11:21	1
Chloroform	ND	H H3	1.0	0.30	ug/L			04/07/26 11:21	1
Benzene	ND	H H3	1.0	0.30	ug/L			04/07/26 11:21	1
1,1,1-Trichloroethane	ND	H H3	1.0	0.30	ug/L			04/07/26 11:21	1
Bromomethane	ND	H H3	1.0	0.30	ug/L			04/07/26 11:21	1
Chloromethane	ND	H H3	2.0	0.55	ug/L			04/07/26 11:21	1
Chloroethane	ND	H H3	1.0	0.30	ug/L			04/07/26 11:21	1
Vinyl chloride	ND	H H3	1.0	0.30	ug/L			04/07/26 11:21	1
Methylene Chloride	ND	H H3	1.0	0.30	ug/L			04/07/26 11:21	1
Carbon disulfide	ND	H H3	5.0	0.30	ug/L			04/07/26 11:21	1
Bromoform	ND	H H3	4.0	1.0	ug/L			04/07/26 11:21	1
Bromodichloromethane	ND	H H3	1.0	0.20	ug/L			04/07/26 11:21	1
1,1-Dichloroethane	ND	H H3	1.0	0.30	ug/L			04/07/26 11:21	1
1,1-Dichloroethene	ND	H H3	1.0	0.30	ug/L			04/07/26 11:21	1
Trichlorofluoromethane	ND	H H3	1.0	0.30	ug/L			04/07/26 11:21	1
Dichlorodifluoromethane	ND	H H3	1.0	0.30	ug/L			04/07/26 11:21	1
Freon 113	ND	H H3	10	0.30	ug/L			04/07/26 11:21	1
1,2-Dichloropropane	ND	H H3	1.0	0.30	ug/L			04/07/26 11:21	1
2-Butanone	ND	H H3	10	1.0	ug/L			04/07/26 11:21	1
1,1,2-Trichloroethane	ND	H H3	1.0	0.30	ug/L			04/07/26 11:21	1
Trichloroethene	ND	H H3	1.0	0.30	ug/L			04/07/26 11:21	1
Methyl acetate	ND	H H3	5.0	0.30	ug/L			04/07/26 11:21	1
1,1,2,2-Tetrachloroethane	ND	H H3	1.0	0.30	ug/L			04/07/26 11:21	1
1,2-Dichlorobenzene	ND	H H3	5.0	0.20	ug/L			04/07/26 11:21	1
1,2-Dibromo-3-Chloropropane	ND	H H3	5.0	0.30	ug/L			04/07/26 11:21	1
Isopropylbenzene	ND	H H3	5.0	0.30	ug/L			04/07/26 11:21	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-273812-1

Client Sample ID: Trip Blank #1

Lab Sample ID: 410-273812-6

Date Collected: 03/16/26 00:00

Matrix: Water

Date Received: 04/03/26 14:15

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	100		89 - 112		04/07/26 11:21	1
Dibromofluoromethane (Surr)	99		86 - 115		04/07/26 11:21	1
4-Bromofluorobenzene (Surr)	99		87 - 109		04/07/26 11:21	1
Toluene-d8 (Surr)	99		91 - 112		04/07/26 11:21	1

Surrogate Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-273812-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (89-112)	DBFM (86-115)	BFB (87-109)	TOL (91-112)
410-273812-1	MW-85 @ 165'-180'	102	101	101	99
410-273812-2	MW-85 @ 135'-150'	102	100	100	100
410-273812-3	MW-85 @ 190'-205'	103	102	100	98
410-273812-4	MW-85 @ 65'-80'	101	99	101	99
410-273812-5	Duplicate #1	100	101	101	101
410-273812-6	Trip Blank #1	100	99	99	99
LCS 410-795684/4	Lab Control Sample	102	99	99	99
LCSD 410-795684/5	Lab Control Sample Dup	102	100	98	99
MB 410-795684/7	Method Blank	103	100	100	101

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

DBFM = Dibromofluoromethane (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-273812-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 410-795684/7

Matrix: Water

Analysis Batch: 795684

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			04/07/26 10:59	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			04/07/26 10:59	1
Ethylbenzene	ND		1.0	0.40	ug/L			04/07/26 10:59	1
Styrene	ND		5.0	0.30	ug/L			04/07/26 10:59	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			04/07/26 10:59	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			04/07/26 10:59	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			04/07/26 10:59	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			04/07/26 10:59	1
Methylcyclohexane	ND		5.0	0.50	ug/L			04/07/26 10:59	1
Toluene	ND		1.0	0.30	ug/L			04/07/26 10:59	1
Chlorobenzene	ND		1.0	0.30	ug/L			04/07/26 10:59	1
Cyclohexane	ND		5.0	1.0	ug/L			04/07/26 10:59	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			04/07/26 10:59	1
Dibromochloromethane	ND		1.0	0.20	ug/L			04/07/26 10:59	1
Xylenes, Total	ND		1.0	0.40	ug/L			04/07/26 10:59	1
Tetrachloroethene	ND		1.0	0.30	ug/L			04/07/26 10:59	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			04/07/26 10:59	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			04/07/26 10:59	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			04/07/26 10:59	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			04/07/26 10:59	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			04/07/26 10:59	1
2-Hexanone	ND		10	0.85	ug/L			04/07/26 10:59	1
Acetone	ND		20	0.70	ug/L			04/07/26 10:59	1
Chloroform	ND		1.0	0.30	ug/L			04/07/26 10:59	1
Benzene	ND		1.0	0.30	ug/L			04/07/26 10:59	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			04/07/26 10:59	1
Bromomethane	ND		1.0	0.30	ug/L			04/07/26 10:59	1
Chloromethane	ND		2.0	0.55	ug/L			04/07/26 10:59	1
Chloroethane	ND		1.0	0.30	ug/L			04/07/26 10:59	1
Vinyl chloride	ND		1.0	0.30	ug/L			04/07/26 10:59	1
Methylene Chloride	ND		1.0	0.30	ug/L			04/07/26 10:59	1
Carbon disulfide	ND		5.0	0.30	ug/L			04/07/26 10:59	1
Bromoform	ND		4.0	1.0	ug/L			04/07/26 10:59	1
Bromodichloromethane	ND		1.0	0.20	ug/L			04/07/26 10:59	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			04/07/26 10:59	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			04/07/26 10:59	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			04/07/26 10:59	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			04/07/26 10:59	1
Freon 113	ND		10	0.30	ug/L			04/07/26 10:59	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			04/07/26 10:59	1
2-Butanone	ND		10	1.0	ug/L			04/07/26 10:59	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			04/07/26 10:59	1
Trichloroethene	ND		1.0	0.30	ug/L			04/07/26 10:59	1
Methyl acetate	ND		5.0	0.30	ug/L			04/07/26 10:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			04/07/26 10:59	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			04/07/26 10:59	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			04/07/26 10:59	1
Isopropylbenzene	ND		5.0	0.30	ug/L			04/07/26 10:59	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-273812-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-795684/7

Matrix: Water

Analysis Batch: 795684

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		89 - 112		04/07/26 10:59	1
Dibromofluoromethane (Surr)	100		86 - 115		04/07/26 10:59	1
4-Bromofluorobenzene (Surr)	100		87 - 109		04/07/26 10:59	1
Toluene-d8 (Surr)	101		91 - 112		04/07/26 10:59	1

Lab Sample ID: LCS 410-795684/4

Matrix: Water

Analysis Batch: 795684

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	20.0	16.4		ug/L		82	75 - 120
trans-1,3-Dichloropropene	20.0	17.3		ug/L		87	67 - 120
Ethylbenzene	20.0	19.9		ug/L		100	80 - 120
Styrene	20.0	19.5		ug/L		98	80 - 120
1,4-Dichlorobenzene	20.0	20.2		ug/L		101	80 - 120
1,2-Dibromoethane	20.0	19.7		ug/L		98	77 - 120
1,2-Dichloroethane	20.0	19.9		ug/L		99	73 - 124
4-Methyl-2-pentanone	250	248		ug/L		99	62 - 133
Methylcyclohexane	20.0	16.4		ug/L		82	60 - 121
Toluene	20.0	19.0		ug/L		95	80 - 120
Chlorobenzene	20.0	19.6		ug/L		98	80 - 120
Cyclohexane	20.0	17.1		ug/L		85	60 - 126
1,2,4-Trichlorobenzene	20.0	19.5		ug/L		98	63 - 127
Dibromochloromethane	20.0	19.4		ug/L		97	71 - 120
Xylenes, Total	60.0	58.6		ug/L		98	80 - 120
Tetrachloroethene	20.0	20.5		ug/L		102	80 - 120
cis-1,2-Dichloroethene	20.0	19.6		ug/L		98	80 - 125
trans-1,2-Dichloroethene	20.0	19.5		ug/L		97	80 - 126
Methyl tertiary butyl ether	20.0	16.6		ug/L		83	69 - 122
1,3-Dichlorobenzene	20.0	20.2		ug/L		101	80 - 120
Carbon tetrachloride	20.0	19.9		ug/L		100	64 - 134
2-Hexanone	250	266		ug/L		106	56 - 143
Acetone	250	259		ug/L		104	57 - 150
Chloroform	20.0	19.7		ug/L		99	72 - 120
Benzene	20.0	19.0		ug/L		95	80 - 120
1,1,1-Trichloroethane	20.0	19.8		ug/L		99	73 - 120
Bromomethane	20.0	13.8		ug/L		69	61 - 128
Chloromethane	20.0	14.5		ug/L		73	48 - 134
Chloroethane	20.0	15.0		ug/L		75	67 - 123
Vinyl chloride	20.0	13.0		ug/L		65	56 - 120
Methylene Chloride	20.0	19.3		ug/L		97	80 - 120
Carbon disulfide	20.0	18.0		ug/L		90	55 - 139
Bromoform	20.0	19.8		ug/L		99	63 - 128
Bromodichloromethane	20.0	18.3		ug/L		92	71 - 120
1,1-Dichloroethane	20.0	20.5		ug/L		102	80 - 126
1,1-Dichloroethene	20.0	19.5		ug/L		98	80 - 131
Trichlorofluoromethane	20.0	12.6		ug/L		63	57 - 120
Dichlorodifluoromethane	20.0	8.38		ug/L		42	40 - 127

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-273812-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-795684/4

Matrix: Water

Analysis Batch: 795684

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Freon 113	20.0	17.2		ug/L		86	57 - 122
1,2-Dichloropropane	20.0	18.5		ug/L		92	80 - 120
2-Butanone	250	238		ug/L		95	59 - 135
1,1,2-Trichloroethane	20.0	19.4		ug/L		97	80 - 120
Trichloroethene	20.0	18.9		ug/L		95	80 - 120
Methyl acetate	20.0	20.2		ug/L		101	55 - 157
1,1,2,2-Tetrachloroethane	20.0	18.6		ug/L		93	72 - 127
1,2-Dichlorobenzene	20.0	19.6		ug/L		98	80 - 120
1,2-Dibromo-3-Chloropropane	20.0	16.7		ug/L		83	60 - 120
Isopropylbenzene	20.0	19.6		ug/L		98	80 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		89 - 112
Dibromofluoromethane (Surr)	99		86 - 115
4-Bromofluorobenzene (Surr)	99		87 - 109
Toluene-d8 (Surr)	99		91 - 112

Lab Sample ID: LCSD 410-795684/5

Matrix: Water

Analysis Batch: 795684

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	20.0	16.1		ug/L		81	75 - 120	2	30
trans-1,3-Dichloropropene	20.0	17.1		ug/L		86	67 - 120	1	30
Ethylbenzene	20.0	19.4		ug/L		97	80 - 120	3	30
Styrene	20.0	19.3		ug/L		97	80 - 120	1	30
1,4-Dichlorobenzene	20.0	19.4		ug/L		97	80 - 120	4	30
1,2-Dibromoethane	20.0	19.0		ug/L		95	77 - 120	4	30
1,2-Dichloroethane	20.0	19.7		ug/L		99	73 - 124	1	30
4-Methyl-2-pentanone	250	243		ug/L		97	62 - 133	2	30
Methylcyclohexane	20.0	16.4		ug/L		82	60 - 121	0	30
Toluene	20.0	18.9		ug/L		94	80 - 120	1	30
Chlorobenzene	20.0	19.4		ug/L		97	80 - 120	1	30
Cyclohexane	20.0	17.0		ug/L		85	60 - 126	1	30
1,2,4-Trichlorobenzene	20.0	18.8		ug/L		94	63 - 127	4	30
Dibromochloromethane	20.0	18.7		ug/L		94	71 - 120	3	30
Xylenes, Total	60.0	57.6		ug/L		96	80 - 120	2	30
Tetrachloroethene	20.0	20.4		ug/L		102	80 - 120	0	30
cis-1,2-Dichloroethene	20.0	19.8		ug/L		99	80 - 125	1	30
trans-1,2-Dichloroethene	20.0	19.9		ug/L		100	80 - 126	2	30
Methyl tertiary butyl ether	20.0	16.8		ug/L		84	69 - 122	1	30
1,3-Dichlorobenzene	20.0	19.3		ug/L		96	80 - 120	5	30
Carbon tetrachloride	20.0	19.8		ug/L		99	64 - 134	1	30
2-Hexanone	250	263		ug/L		105	56 - 143	1	30
Acetone	250	258		ug/L		103	57 - 150	1	30
Chloroform	20.0	19.9		ug/L		100	72 - 120	1	30
Benzene	20.0	18.8		ug/L		94	80 - 120	1	30
1,1,1-Trichloroethane	20.0	19.3		ug/L		96	73 - 120	3	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-273812-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-795684/5

Matrix: Water

Analysis Batch: 795684

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromomethane	20.0	13.7		ug/L		68	61 - 128	1	30
Chloromethane	20.0	13.7		ug/L		69	48 - 134	6	30
Chloroethane	20.0	15.0		ug/L		75	67 - 123	0	30
Vinyl chloride	20.0	12.8		ug/L		64	56 - 120	2	30
Methylene Chloride	20.0	19.0		ug/L		95	80 - 120	2	30
Carbon disulfide	20.0	21.9		ug/L		110	55 - 139	20	30
Bromoform	20.0	19.3		ug/L		96	63 - 128	3	30
Bromodichloromethane	20.0	18.6		ug/L		93	71 - 120	2	30
1,1-Dichloroethane	20.0	20.1		ug/L		100	80 - 126	2	30
1,1-Dichloroethene	20.0	18.7		ug/L		93	80 - 131	4	30
Trichlorofluoromethane	20.0	12.3		ug/L		62	57 - 120	2	30
Dichlorodifluoromethane	20.0	8.42		ug/L		42	40 - 127	1	30
Freon 113	20.0	17.3		ug/L		86	57 - 122	0	30
1,2-Dichloropropane	20.0	18.5		ug/L		93	80 - 120	0	30
2-Butanone	250	232		ug/L		93	59 - 135	3	30
1,1,2-Trichloroethane	20.0	19.0		ug/L		95	80 - 120	2	30
Trichloroethene	20.0	18.6		ug/L		93	80 - 120	1	30
Methyl acetate	20.0	19.2		ug/L		96	55 - 157	5	30
1,1,2,2-Tetrachloroethane	20.0	18.0		ug/L		90	72 - 127	4	30
1,2-Dichlorobenzene	20.0	18.8		ug/L		94	80 - 120	4	30
1,2-Dibromo-3-Chloropropane	20.0	16.3		ug/L		81	60 - 120	2	30
Isopropylbenzene	20.0	19.3		ug/L		97	80 - 132	2	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		89 - 112
Dibromofluoromethane (Surr)	100		86 - 115
4-Bromofluorobenzene (Surr)	98		87 - 109
Toluene-d8 (Surr)	99		91 - 112

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-273812-1

GC/MS VOA

Analysis Batch: 795684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-273812-1	MW-85 @ 165'-180'	Total/NA	Water	8260D	
410-273812-2	MW-85 @ 135'-150'	Total/NA	Water	8260D	
410-273812-3	MW-85 @ 190'-205'	Total/NA	Water	8260D	
410-273812-4	MW-85 @ 65'-80'	Total/NA	Water	8260D	
410-273812-5	Duplicate #1	Total/NA	Water	8260D	
410-273812-6	Trip Blank #1	Total/NA	Water	8260D	
MB 410-795684/7	Method Blank	Total/NA	Water	8260D	
LCS 410-795684/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-795684/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-273812-1

Client Sample ID: MW-85 @ 165'-180'

Lab Sample ID: 410-273812-1

Date Collected: 04/02/26 15:45

Matrix: Water

Date Received: 04/03/26 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		20	795684	TQ4J	ELLE	04/07/26 12:06

Client Sample ID: MW-85 @ 135'-150'

Lab Sample ID: 410-273812-2

Date Collected: 04/01/26 10:35

Matrix: Water

Date Received: 04/03/26 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		20	795684	TQ4J	ELLE	04/07/26 12:29

Client Sample ID: MW-85 @ 190'-205'

Lab Sample ID: 410-273812-3

Date Collected: 04/01/26 16:45

Matrix: Water

Date Received: 04/03/26 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		20	795684	TQ4J	ELLE	04/07/26 12:51

Client Sample ID: MW-85 @ 65'-80'

Lab Sample ID: 410-273812-4

Date Collected: 03/31/26 14:15

Matrix: Water

Date Received: 04/03/26 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		20	795684	TQ4J	ELLE	04/07/26 13:13

Client Sample ID: Duplicate #1

Lab Sample ID: 410-273812-5

Date Collected: 03/31/26 14:20

Matrix: Water

Date Received: 04/03/26 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		20	795684	TQ4J	ELLE	04/07/26 13:36

Client Sample ID: Trip Blank #1

Lab Sample ID: 410-273812-6

Date Collected: 03/16/26 00:00

Matrix: Water

Date Received: 04/03/26 14:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	795684	TQ4J	ELLE	04/07/26 11:21

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-273812-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Pennsylvania	NELAP	36-00037	01-31-27

Method Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-273812-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	ELLE
5030C	Purge and Trap	SW846	ELLE

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-273812-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
410-273812-1	MW-85 @ 165'-180'	Water	04/02/26 15:45	04/03/26 14:15	Pennsylvania
410-273812-2	MW-85 @ 135'-150'	Water	04/01/26 10:35	04/03/26 14:15	Pennsylvania
410-273812-3	MW-85 @ 190'-205'	Water	04/01/26 16:45	04/03/26 14:15	Pennsylvania
410-273812-4	MW-85 @ 65'-80'	Water	03/31/26 14:15	04/03/26 14:15	Pennsylvania
410-273812-5	Duplicate #1	Water	03/31/26 14:20	04/03/26 14:15	Pennsylvania
410-273812-6	Trip Blank #1	Water	03/16/26 00:00	04/03/26 14:15	Pennsylvania



410-273812 Chain of Custody

Environmental Analysis Request/Chain of Custody

Acct. # 0070462-3000 Group # Sample #

Client Name: Groundwater & Environmental Services, Inc		Acct #:		Matrix		Analyses Requested		For Lab Use Only		
Project Name/#: GTAC - Bishop Tube HSCA Site				☐ Tissue ☒ Ground ☐ Surface		Preservation and Filtration Codes		SF #:		
Site Address: Malin Rd, S of US Rt 30 East White PA				☐ Sediment ☐ Potable ☐ NPDES				SCR #:		
GES PM/CM: Tim Uhler/Derek Yoder				☐ Soil ☐ Water ☐ Other:				Preservation Codes		
Client Address: 410 Eagleview Blvd, Suite 110 Exton, PA 19341								H = HCl T = Thiosulfate		
Email report: labreportspae@gesonline.com AND tuhler@gesonline.com								N = HNO ₃ B = NaOH		
Invoice needs to be emailed to ges-invoices@gesonline.com. COC must be attached to invoice. Invoice must reference job # 0070462-3000 3020-06								S = H ₂ SO ₄ P = H ₃ PO ₄		
State where samples were collected: PA		For Compliance: Yes ☐ No ☒						F = Field Filtered O = Other		
Sampler: Ariana Miranda/Derek Yoder		Collection						Remarks		
Sampler Signature: [Signature]										
Sample Identification		Date	Time	Grab	Composite	Total # of Containers	EPA 8260B -TCL VOCs			
MW-85 @ 165'-150'	4/2/26	1545	DX			3	3	HCl		
MW-85 @ 135'-150'	4/1/26	1035	DX			3	3	HCl		
MW-85 @ 190'-205'	4/1/26	1645	DX			3	3	HCl		
MW-85 @ 65'-80'	3/31/26	1415	DX			3	3	HCl		
Duplicate #1	3/31/26	1420	DX			3	3	HCl		
Trip Blank #1	3/16/26	—	—			2	2	HCl		
Turnaround Time Requested (TAT) (please check):		Standard ☐ Rush ☒		Relinquished by:		Date	Time	Received by:	Date	Time
(Rush TAT is subject to laboratory approval and surcharges.)		2 days		[Signature]		4/3/26	0833	[Signature]	4/3/26	0833
Date results are needed and tuhler@gesonline.com				Relinquished by:		Date	Time	Received by:	Date	Time
Rush results requested by (please check): E-Mail ☒ Phone ☐				[Signature]		4/3/26	1415			
E-mail Address: labreportspae@gesonline.com				Relinquished by:		Date	Time	Received by:	Date	Time
Phone:										
Data Package Options (please check if required)				Relinquished by:		Date	Time	Received by:	Date	Time
Type I (Validation/non-CLP) ☐	MA MCP ☐									
Type III (Reduced non-CLP) ☐	CT RCP ☐			Relinquished by:		Date	Time	Received by:	Date	Time
Type VI (Raw Data Only) ☐	TX TRRP-13 ☐							[Signature]	4/3/26	1415
NJ DKQP ☐	NYSDEC Category ☐ A or ☐ B			Relinquished by Commercial Carrier:				R: 3.4		
EDD Required? Yes ☒ No ☐	If yes, format:			UPS FedEx Other				Temperature upon receipt C: 3.2 °C		

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7045 0717

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 410-273812-1

Login Number: 273812

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Fuehrer, Stephanie

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable, where thermal pres is required ($\leq 6^{\circ}\text{C}$, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temp acceptable, where thermal pres is required ($\leq 6^{\circ}\text{C}$, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	Refer to Job Narrative for details.
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	True	
VOA sample vials do not have headspace $> 6\text{mm}$ in diameter (none, if from WV)?	False	Headspace greater than 6mm in diameter in some but not all containers



Appendix E – Monitoring Well Field Gauging and Sampling Sheets

Well Construction					Analysis																	Deployment										Notes														
Well ID	Depth	Diameter	Screen Top	Screen Bottom	Analysis	Volume Req (ml)	HS Size	HS Length (ft)	Min Dist From MW Bottom w/ Top Weight	HS Top w/ collar	HS Top w/ weight	DTW	DTB	Saturated Screen	PID	Spring Clip	Bottom Weight	4-in Adapter	Top Collar	Top Weight	GSH471 (600mL)	GSH470 (1L)	GSH475 (2L)	Deploy Date	Deploy Time	Retrieval Date	Retrieval Time	1. VOCs	2. PFAS	3. Metals	4. Fluoride	Dup	MS/MSD													
MW-03	13.5	4	8	13.5	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	8	11.5	4.13	12.45		0.2	X	X	X		X		X			5/26	0945	6/3	1215	X	X	X	X			Eon replaced 2L HS with 1L HS											
MW-06	20.7	4	10.7	20.7	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	15.2	18.7	14.70	26.10		0.0	X	X	X		X		X			12/26	1300	6/4	1245	X	X	X	X			Eon replaced 2L HS with 1L HS											
MW-08	18	4	8	18	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	12.5	16					X	X	X		X	X															Eon replaced 2L HS with 600 mL HS 20.11.15 NS										
MW-11	16	4	6	16	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	10.5	14	8.08	14.30		0.8	X	X	X		X			X		5/28	1048	6/3	1330	X	X	X	X			20.11.15											
MW-15	21	4	7	21	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	15.5	19	0.3	78		19.6	X	X	X		X			X		5/22	1006	6/1	1220	X	X	X	X			MW-15											
MW-25A	282	2	106	116	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	110.5	114	16.41	117		0.1	X	X			X			X		5/28	1015	6/3	1245	X	X	X	X														
MW-25B	282	2	212	222	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	216.5	220	17.71	224		2.0	X	X			X			X		5/28	1025	6/3	1300	X	X	X	X														
MW-25C	282	2	272	282	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	276.5	280	18.65	282.30		1.3	X	X			X			X		5/28	1020	6/3	1315	X	X	X	X														
MW-27B	250	2	177	187	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	181.5	185	20.55	190.25		0.0	X	X			X			X		5/22	1545	6/2	1315	X	X	X	X			duplicate 4											
MW-27C	250	2	230	240	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	234.5	238	23.62	246.42		0.0	X	X			X			X		5/22	1555	6/2	1330	X	X	X	X														
MW-28B	250	2	173	183	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	177.5	181	7.00	185.95		18.4	X	X			X			X		5/22	0945	6/1	1310	X	X	X	X														
MW-45C	306	2	273	293	8260D, 1633	370	1L	3	2	290	291	31.70	294.10		1.9	X	X		X			X			5/19	1415	7/29	1355	X	X	N/A	N/A														
MW-58B	306	2	155	165	8260D, 1633	370	1L	3	2	162	163	9.10	163.25		0.0	X	X		X			X			5/21	0850	5/27	1215	X	X	N/A	N/A														
MW-58C	306	2	285	300	8260D, 1633	370	1L	3	2	297	298	8.48	306		0.0	X	X		X			X			5/24	0915	5/27	1230	X	X	N/A	N/A														
MW-61	76	2	66	76	8260D, 1633	370	1L	3	2	73	74	9.10	74.52		0.0	X	X		X			X			5/22	1130	6/3	1030	X	X	N/A	N/A														
MW-63	21.5	2	11.5	21.5	8260D, 1633	370	1L	3	2	18.5	19.5	16.30	21.70		0.0	X	X			X			X		5/19	1300	6/2	0930	X	X	N/A	N/A														
MW-65	24	2	14	24	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	18.5	22	13.77	21.50		32.8	X	X			X			X		5/26	1100	6/2	1230	X	X	X	X														
MW-78A	400	2	85	110	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	104.5	108	22.05	105.72		3.7	X	X		X			X			5/19	1600	5/28	1330	X	X	X	X														
MW-78B	400	2	262	287	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	281.5	285	22.02	285		45.5	X	X		X			X			5/19	1615	5/28	1355	X	X	X	X														
MW-78C	400	2	340	400	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	394.5	398	23.13	400		145.8	X	X		X			X			5/20	1530	5/28	1415	X	X	X	X														
MW-85A	76	2	66	76	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	70.5	74	3.68	76		380	X	X			X			X		5/26	—	6/5	1020	X	X	X	X	#6	Roll	sampled via low flow											
MW-85B	145	2	135	145	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	139.5	143	42.68	145		7.6	X	X		X			X			5/26	1410	6/5	0850	X	X	X	X														
PZ-2	5	2	—	5	8260D, 1633	370	1L	3	2	2	3	Dry	4.5	0	0.0	X	X			X	X				5/20	1205	Not Sampled well Dry										Eon replaced 2L HS with 600 mL HS Still added line / weight to gage Not deployed, no water plug									
SMP-2R	10	2	5	10	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	4.5	8	4.73	13.0		0.0	X	X			X	X				5/26	1515	6/4	1415	X	X	X	X														

MW-15

left back

left close

right

Shallow Int

0.4

Well Construction					Well Deployment and Retrieval																	Notes														
Well ID	Depth	Diameter	Screen Top	Screen Bottom	Analysis	Volume Req (ml)	HS Size	HS Length (ft)	Min Dist From MW Bottom w/ Top Weight	HS Top w/ collar	HS Top w/ weight	DTW	DTB	Saturated Screen	PID	Spring Clip	Bottom Weight	4-in Adapter	Top Collar	Top Weight	GSH471 (600mL)	GSH470 (1L)	GSH475 (2L)	Deploy Date	Deploy Time	Retrieval Date	Retrieval Time	1. VOCs	2. PFAS	3. Metals	4. Fluoride	Dup	MS/MSD	Notes		
MW-07	19.8	4	9.5	19.8	82600, 60100, 218.6, 9056A, 1633	1370	2L	5.5	2	14.3	17.8					X	X	X		X			X												NS	
MW-09	63	6	46	63	82600, 60100, 218.6, 9056A, 1633	1370	2L	5.5	2	57.5	61	12.00	56.70		0.0	X	X	X	X				X			6/4	1330	X	X	X	X				NS	
MW-12	21	4	6	21	82600, 60100, 218.6, 9056A, 1633	1370	2L	5.5	2	15.5	19					X	X	X		X			X												NS	
MW-15	78	4	68	78	82600, 60100, 218.6, 9056A, 1633	1370	2L	5.5	2	72.5	76					X	X	X		X			X		6/1	1240	6/4	1155	X	X	X	X				NS
MW-23	45	6	33	45	82600, 60100, 218.6, 9056A, 1633	1370	2L	5.5	2	38.5	43					X	X	X	X				X												NS	
MW-24	30	4	3	24	82600, 60100, 218.6, 9056A, 1633	1370	2L	5.5	2	16.5	22	1.99	24.10		0	X	X	X		X			X		5/24	0915	6/3	1115	X	X	X	X				
MW-29	8	2	3	8	82600, 60100, 218.6, 9056A, 1633	1370	2L	5.5	2	2.6	6					X	X			X			X												NS	
MW-30	20	2	5	20	82600, 60100, 218.6, 9056A, 1633	1370	2L	5.5	2	14.5	18					X	X			X			X												NS	
MW-31	15.5	2	5.5	15	82600, 60100, 218.6, 9056A, 1633	1370	2L	5.5	2	9.5	13					X	X			X			X												NS	
MW-34	15	2	6	15	82600, 1633	370	1L	3	2	12	13					X	X			X			X												NS	
MW-38	35	2	25	35	82600, 1633	370	1L	3	2	32	33	25.48	31.10		13.0	X	X			X			X		5/20	0845	5/24	1130	X	X					under water	
MW-41	28	2	18	28	82600, 1633	370	1L	3	2	25	26					X	X			X			X												NS	
MW-43A	306	2	95	120	82600, 1633	370	1L	3	2	117	118	26.64	120		0.4	X	X		X			X		5/24	1100	6/2	1030	X	X						cant open	
MW-43B	306	2	175	200	82600, 1633	370	1L	3	2	197	198	26.52	200		2.7	X	X		X			X		5/24	1045	6/2	1045	X	X						cant open	
MW-43C	306	2	255	285	82600, 1633	370	1L	3	2	292	293	204.0	306		0.4	X	X		X			X		5/24	1030	6/2	1100	X	X						cant open	
MW-46	26	2	19	26	82600, 1633	370	1L	3	2	23	24	20.96	25.30		0	X	X			X			X		5/20	0915	6/2	0915	X	X					under water	
MW-50A	106	2	57	73	82600, 1633	370	1L	3	2	70	71	22.19	79.10		0.4	X	X		X			X		5/24	0915	6/1	1015	X	X						Located, but unable to open. Will need tremmy saw to cut bolts.	
MW-50B	106	2	80	100	82600, 1633	370	1L	3	2	97	98	22.28	100.90		0.0	X	X		X			X		5/24	0930	6/1	1030	X	X						Located, but unable to open. Will need tremmy saw to cut bolts.	
MW-53A	106	2	40	80	82600, 1633	370	1L	3	2	77	78	13.84	78.90		0.8	X	X		X			X		5/24	0945	6/2	1000	X	X						need different tool to open	
MW-53B	106	2	95	105	82600, 1633	370	1L	3	2	102	103	14.07	105.30		0.2	X	X		X			X		5/24	1000	6/2	1010	X	X						need different tool to open	
MW-54	76	2	30	40	82600, 1633	370	1L	3	2	37	38					X	X		X			X				6/2	1019	X	X						cant open	
MW-55	106	2	75	100	82600, 1633	370	1L	3	2	97	98					X	X		X			X													NS	
MW-56	306	2	55	65	82600, 1633	370	1L	3	2	62	63	33.93	68.45		0.0	X	X		X			X		5/24	1130	6/2	0900	X	X						cant open	
MW-58A	306	2	36	46	82600, 1633	370	1L	3	2	43	44					X	X		X			X													NS	
MW-58B	306	2	126	136	82600, 1633	370	1L	3	2	133	134					X	X		X			X													NS	
MW-58C	306	2	275	300	82600, 1633	370	1L	3	2	297	298					X	X		X			X													NS	
MW-60	43	2	33	43	82600, 1633	370	1L	3	2	40	41	23.53	42.10		0.0	X	X		X			X		5/22	1330	4/1	1000	X	X						Located, but unable to open. Will need tremmy saw to cut bolts.	
MW-66	24	2	14	24	82600, 60100, 218.6, 9056A, 1633	1370	2L	5.5	2	18.5	22					X	X			X			X												NS	
PZ-4	9	2	2	9	82600, 1633	370	1L	3	2	6	7					X	X			X			X												NS	
30CR	165		160	165	82600, 1633	370	1L	3	2	162	163	11.70	165		0.0	X	X			X			X		5/24	1315	6/5	1210	X	X						

GTAC - BT GWS
MWs with Tethers Installed

Well Construction					Proposed Sampling Plan and Field Data																	HS Deployment and Retrieval											
Well ID	Depth	Diameter	Screen Top	Screen Bottom	Analysis	Vol Req (ml)	HS Size	HS Length (~ft)	Min Dist From MW Bottom w/ Top Weight	HS Top w/ collar	HS Top w/ weight	DTW	DTB	Saturated Screen	PID	Spring Clip	Bottom Weight	4-in Adapter	Top Collar	Top Weight	GSH471 (600mL)	GSH470 (1L)	GSH475 (2L)	Deploy Date	Deploy Time	Retrieval Date	Retrieval Time	1. VOCs	2. PFAS	3. Metals	4. Fluoride	Dup	MS/MSD
MW-01	48	4	28	48	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	42.5	46	16.43	46.45		0	X		X	X				X	5/26	0915	6/4	1115	X	X	X	X		VOC PFAS
MW-02	24	4	15	24	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	18.5	22	7.40	21.35		0.3	X		X		X			X	5/28	0946	6/3	1200	X	X	X	X		6 VOC/ PFAS
MW-04	20	4	7	20	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	14.5	18	8.87	19.60		0.0	X		X		X			X	5/26	1130	6/2 6/4	1420 1235	X X	X X	X X	X X		
MW-05	20	4	10	20	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	14.5	18	10.20	14.95		0.0	X		X		X			X			6/2	1440	X	X	X	X		
MW-13	31	4	27	31	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	25.5	29	9.63	36.63		0.5	X		X		X			X	5/25 5/22		6/5	1145	1	2	X	X		
MW-14	15	4	5	15	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	9.5	13	9.00	14.0		0.0	X		X		X			X	5/22 5/22		6/1	1130	X	X	X	X		
MW-18	47	4	22	47	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	41.5	45	18.67 16.64 16	47.10		0.1 0.0	X		X	X				X	5/28	1045	6/3	1400	X	X	X	X		
MW-20R	16.5	4	6.5	16.5	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	11	14.5	5.08	12.45		0.0	X		X		X			X	5/20	1545	6/4	0815	X	X	X	X		
MW-21	53	6	27	53	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	47.5	51	13.55	49.71		0.0	X		X	X				X	5/22	1515	6/4	1030	X	X	X	X		6020 218.6 9056
MW-22	91	6	45	91	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	85.5	89	14.61	89.90		0	X		X	X				X	5/26	1030	6/2	1245	X	X	X	X		VOC / PFAS
MW-26A	250	2	90	100	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	94.5	98	13.76	100.00		4.7	X			X				X	5/26	1200	6/3	0845	X	X	X	X		
MW-26B	250	2	176	186	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	180.5	184	13.97	140.00		0.7	X			X				X	5/26	1215	6/3	0900	X	X	X	X	5	
MW-26C	250	2	222	232	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	226.5	230	14.05	332.00		MA 0 NO	X			X				X	5/26	1230	6/3	0915	X	X	X	X		metals

GTAC - BT GWS
MWs with Tethers Installed

Well Construction					Proposed Sampling Plan and Field Data																	HS Deployment and Retrieval												
Well ID	Depth	Diameter	Screen Top	Screen Bottom	Analysis	Vol Req (ml)	HS Size	HS Length (~ft)	Min Dist From MW Bottom w/ Top Weight	HS Top w/ collar	HS Top w/ weight	DTW	DTB	Saturated Screen	PID	Spring Clip	Bottom Weight	4-in Adapter	Top Collar	Top Weight	GSH471 (600mL)	GSH470 (1L)	GSH475 (2L)	Deploy Date	Deploy Time	Retrieval Date	Retrieval Time	1. VOCs	2. PFAS	3. Metals	4. Fluoride	Dup	MS/MSD	
MW-27A (5)	250	2	87	97	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	91.5	95	30.21	97.35		0.7	X				X			X	5/22	1535	6/2	1300	+	X	X	+			
MW-28A	250	2	100	110	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	104.5	108	9.63	111.31		0.0	X				X			X	5/22	0925	6/1	1250	X	X	X	X	#3		
MW-28C	250	2	222	232	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	226.5	230	8.99	234.09		0.3	X				X			X	5/22	0935	6/1	1325	X	X	X	X			
MW-32	16.5	2	6.5	16.5	8260D, 1633	370	1L	3	2	13.5	14.5	2.65	12.85		0.0	X					X		X	5/24	1020	5/27	0825	X	X	N/A	N/A			
MW-33	13	2	5	13	8260D, 1633	370	1L	3	2	10	11	10.26	10.60		0.0	X					X		X	5/19	1000	5/26	1000	X	X	N/A	N/A			
MW-35	15	2	5	15	8260D, 1633	370	1L	3	2	12	13	9.54	12.09		0.0	X					X		X	5/19	1025	5/26	1015	X	X	N/A	N/A			
MW-36	11	2	4	11	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	5.5	9	8.30	10.25		0.0	X					X			X	5/22	1440	6/4	1210	X	+	X	+		
MW-37	24	2	14	24	8260D, 1633	370	1L	3	2	21	22	13.78	20.94		0.0	X					X		X	5/19	1045	5/29	1445	X	X	N/A	N/A			
MW-40	41	2	31	41	8260D, 1633	370	1L	3	2	38	39	32.95	39.65		0	X					X		X	5/20	1000	5/29	0925	X	+	N/A	N/A			
MW-42	31	2	31	41	8260D, 1633	370	1L	3	2	38	39	29.61	38.30		5-9	X					X		X	6/20	0930	5/29	1115	X	X	N/A	N/A			
MW-44A	306	2	90	120	8260D, 1633	370	1L	3	2	117	118	32.84	119.95		0	X				X			X	5/20	1010	5/29	0940	X	+	N/A	N/A			
MW-44B	306	2	172	202	8260D, 1633	370	1L	3	2	199	200	35.61	201.90		0	X				X			X	5/20	1130	5/29	0955	X	+	N/A	N/A			
MW-44C	306	2	265	295	8260D, 1633	370	1L	3	2	292	293	35.65	292.70		0	X				X			X	5/29	1100	6/2	1115	+	+	N/A	N/A			

Comments

needs re-deployed

needs re-deployed -

No tether

GTAC - BT GWS
MWs with Tethers Installed

Well Construction					Proposed Sampling Plan and Field Data																	HS Deployment and Retrieval											
Well ID	Depth	Diameter	Screen Top	Screen Bottom	Analysis	Vol Req (ml)	HS Size	HS Length (~ft)	Min Dist From MW Bottom w/ Top Weight	HS Top w/ collar	HS Top w/ weight	DTW	DTB	Saturated Screen	PID	Spring Clip	Bottom Weight	4-in Adapter	Top Collar	Top Weight	GSH471 (600mL)	GSH470 (1L)	GSH475 (2L)	Deploy Date	Deploy Time	Retrieval Date	Retrieval Time	1. VOCs	2. PFAS	3. Metals	4. Fluoride	Dup	MS/MSD
MW-45A	306	2	70	80	8260D, 1633	370	1L	3	2	77	78	26.60	74.30		0.3	X			X			X		5/19		5/29	1305	X	X	N/A	N/A		
MW-45B	306	2	182	232	8260D, 1633	370	1L	3	2	229	230	31.25	233.10		0.0	X			X			X		5/19		5/29	1340	X	X	N/A	N/A		
MW-47	74	2	64	74	8260D, 1633	370	1L	3	2	71	72	33.52 33.6 RD	73.75			X				X		X		5/20	0945	6/2	0815	X	X	N/A	N/A		
MW-49A	106	2	15	35	8260D, 1633	370	1L	3	2	32	33	21.51 21.5	34.69		0.0	X			X			X		5/22	0845	4/1	1045	X	X	N/A	N/A		
MW-49B	106	2	60	85	8260D, 1633	370	1L	3	2	82	83	22.32	85.94		1.5	X			X			X		5/22	0830	4/1	1100	X	X	N/A	N/A		
MW-51A	106	2	25	40	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	34.5	38	9.73	37.00		11.2	X			X				X	5/21	1615	6/1	1420	X	X	X	X		
MW-51B	106	2	56	66	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	60.5	64	10.25	63.03		24.6	X			X				X	5/21	1630	6/1	1435	X	X	X	X		
MW-52	106	2	29	44	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	38.5	42	13.19	44.0		0.0	X			X				X	5/22	1420	6/1	14700	X	X	X	X		
MW-57A	306	2	25	35	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	29.5	33	21.97 21.97	33.52		0.4	X				X			X	5/19	1000	5/28	1135	X	X	X	X		
MW-57B	306	2	85	130	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	124.5	128	27.71 27.53	127.30		0.0	X			X				X	5/19	1015	5/28	1155	X	X	X	X		
MW-57C	306	2	285	305	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	299.5	303	22.53	297.29		0.0	X			X				X	5/19	1013	5/28	1215	X	X	X	X		
MW-58A	306	2	34	49	8260D, 1633	370	1L	3	2	46	47	6.92	21.60		0.1	X			X			X		5/21	0847	5/27	1200	X	X	N/A	N/A		
MW-62	17.5	2	12.5	17.5	8260D, 1633	370	1L	3	2	14.5	15.5	16.01	17.48		0.0	X				X		X		5/19		6/2	0945	X	X	N/A	N/A		
MW-64	14	2	7	14	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	8.5	12	6.23	12.60		6.3	X				X		X	X	5/20	140	5/28	1550	X	X	X	X		

GTAC - BT GWS
MWs with Tethers Installed

Well Construction					Proposed Sampling Plan and Field Data																		HS Deployment and Retrieval										
Well ID	Depth	Diameter	Screen Top	Screen Bottom	Analysis	Vol Req (ml)	HS Size	HS Length (~ft)	Min Dist From MW Bottom w/ Top Weight	HS Top w/ collar	HS Top w/ weight	DTW	DTB	Saturated Screen	PID	Spring Clip	Bottom Weight	4-in Adapter	Top Collar	Top Weight	GSH471 (600mL)	GSH470 (1L)	GSH475 (2L)	Deploy Date	Deploy Time	Retrieval Date	Retrieval Time	1. VOCs	2. PFAS	3. Metals	4. Fluoride	Dup	MS/MSD
MW-67	12.5	2	3.5	12.5	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	7	10.5	5.56	11.95		1103	x				x		x	/	5/20	1450	5/29	1400	x	x	x	x	x	
MW-68	16	2	4	16	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	10.5	14	5.97	15.90		1224	x				x			x	5/20	1450	5/29 6/4	1445 0835	x	x	x	x	x	
MW-69	25	2	4	25	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	19.5	23	6.12	24.35		60.00	x				x			x	5/20	1430	6/4	0930	x	x	x	x		
MW-70	11.5	2	4.5	11.5	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	6	9.5	5.70	11.10		657	x				x		x	/	6/20	1440	6/4	0950	x	x	x	x		
MW-71	16.5	2	4.5	16.5	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	11	14.5	5.22	16.05		1.9	x				x			x	5/20	1455	6/4	0900	x	x	x	x		
MW-72	10	2	3	10	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	4.5	8	6.36	9.63		340.1	x				x		Changed to 1L	x	5/19	1500	6/3	1445	x	x	x	x		
MW-73	9.5	2	3.5	9.5	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	4	7.5	6.21	9.03		156.9 40Y	x				x		changed to 1L	x	5/19	1520	6/3	1500	y	x	y	x		
MW-74	17	2	7	17	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	11.5	15	6.93	10.91		24.9	x				x			x	5/19 5/20	5/29 1500	5/29 1500	5/29 1500	x	x	x	x		
MW-75A	436	2	345	360	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	354.5	358	18.60	354		447	x				x			x	5/20	1135	6/2	1515	x	x	x	x		
MW-75B	436	2	374	419	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	413.5	417	19.05	413		34.4	x				x			x	5/26	1115	6/2	1530	x	x	x	x		
MW-76	41	2	31	41	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	35.5	39	9.84	40.25		5.0	x				x			x	5/20	1415	5/28/20	1515	x	x	x	x	x	
MW-77	50	2	40	50	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	44.5	48	19.84	49.88		633	x				x			x	5/19	1530	5/23/20	1445	x	x	x	x		x
MW-79A	356	2	140	170	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	164.5	168	13.48	167.73		240.2	x	x		x				x	5/21	1530	6/1	1445	x	x	x	x		
MW-79B	356	2	320	350	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	344.5	348	13.61	348		11.0	x				x			x	5/21	1545	6/1	1500	x	x	x	x		

GTAC - BT GWS
MWs with Tethers Installed

Well Construction					Proposed Sampling Plan and Field Data																	HS Deployment and Retrieval												
Well ID	Depth	Diameter	Screen Top	Screen Bottom	Analysis	Vol Req (ml)	HS Size	HS Length (~ft)	Min Dist From MW Bottom w/ Top Weight	HS Top w/ collar	HS Top w/ weight	DTW	DTB	Saturated Screen	PID	Spring Clip	Bottom Weight	4-in Adapter	Top Collar	Top Weight	GSH471 (600mL)	GSH470 (1L)	GSH475 (2L)	Deploy Date	Deploy Time	Retrieval Date	Retrieval Time	1. VOCs	2. PFAS	3. Metals	4. Fluoride	Dup	MS/MSD	
MW-80A	405	2	145	170	8260D, 1633	370	1L	3	2	167	168	36.41	172.20		0.0	X			X			X			5/21	1300	5/27	1000	X	X	N/A	N/A		
MW-80B	405	2	320	360	8260D, 1633	370	1L	3	2	357	358	39.41	358		0.0	X			X			X			5/21	1325	5/27	1015	X	X	N/A	N/A		
MW-80C	405	2	375	405	8260D, 1633	370	1L	3	2	402	403	38.94	405		0.0	X			X			X			5/21	1345	5/27	1030	X	X	N/A	N/A		
MW-81	26	2	11	26	8260D, 1633	370	1L	3	2	23	24	15.83	26.10		0.1	X				X		X			5/21	1130	6/1	0900	X	X	N/A	N/A		100 PFAS
MW-82A	386	2	50	85	8260D, 1633	370	1L	3	2	82	83	16.63	88.85		0.5	X			X			X			5/21 5/22	1200	6/1	0915	X	X	N/A	N/A		
MW-82B	386	2	235	265	8260D, 1633	370	1L	3	2	262	263	17.79	265.00		0.8	X			X			X			5/21 5/22	1230	6/1	0930	X	X	N/A	N/A		
MW-83	42	2	32	42	8260D, 1633	370	1L	3	2	39	40	26.83	41.72		0.0	X				X		X			5/21 5/22	1420	5/27	1415	X	X	N/A	N/A		
MW-84A	416	2	135	165	8260D, 1633	370	1L	3	2	162	163	42.10	160.02		0.0	X			X			X			5/21 5/22	1440	5/27	1430	X	X	N/A	N/A		
MW-84B	416	2	270	300	8260D, 1633	370	1L	3	2	297	298	45.71	287.32		0.0	X			X			X			5/21 5/22	1500	5/27	1500	X	X	N/A	N/A		DUP1
PZ-1	5	2	1	5	8260D, 1633	370	1L	3	2	2	3	5.94	7.15			X				X		X		5/20	1135	6/5	1430	X	X	N/A	N/A			
PZ-3	7	2	2	7	8260D, 1633	370	1L	3	2	4	5	Casing bent			0.0	X				X		X			5/20 1250						N/A	N/A		
PZ-5	5	2	1	5	8260D, 1633	370	1L	3	2	2	3	4.85	6.55		0.0	X				X		X			5/14	1000	5/26	1045	X	X	N/A	N/A		
PZ-6	7	2	2	7	8260D, 1633	370	1L	3	2	4	5	6.94	10.00		0.1	X				X		X			5/20	1238	6/5	1500	X	X	N/A	N/A		
PZ-7	10	2	3	10	8260D, 1633	370	1L	3	2	7	8	10.04	12.55		0.0	X				X		X			5/20	1300	6/5	1519	X	X	N/A	N/A		

GTAC - BT GWS
MWs with Tethers Installed

Well Construction					Proposed Sampling Plan and Field Data																	HS Deployment and Retrieval											
Well ID	Depth	Diameter	Screen Top	Screen Bottom	Analysis	Vol Req (ml)	HS Size	HS Length (~ft)	Min Dist From MW Bottom w/ Top Weight	HS Top w/ collar	HS Top w/ weight	DTW	DTB	Saturated Screen	PID	Spring Clip	Bottom Weight	4-In Adapter	Top Collar	Top Weight	GSH471 (600mL)	GSH470 (1L)	GSH475 (2L)	Deploy Date	Deploy Time	Retrieval Date	Retrieval Time	1. VOCs	2. PFAS	3. Metals	4. Fluoride	Dup	MS/MSD
PZ-8	13.5	2	3.5	13	8260D, 1633	370	1L	3	2	10	11	9.32	14.91		0.0	X				X		X		5/22	1230	5/27	0920	X	X	N/A	N/A		
PZ-9	13	2	3	10	8260D, 1633	370	1L	3	2	7	8	9.85	12.30		0.0	X				X		X		5/22	1305	6/5	1620	X	X	N/A	N/A		
SMP-1	10	2	5	10	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	4.5	8	5.48	12.15		0.0	X				X			X	5/26	1430	6/4	1400	X	X	X	X		
SMP-3	10	2	6	11	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	5.5	9	3.57	12.9		0.0	X				X			X	5/26	1545	6/4	1430	X	X	X	X		
SMP-4	11	2	6	11	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	5.5	9	14.28	11.9		0.0	X				X			X	5/26	1600	6/4	1445	X	X	X	X		
SMP-5	10	2	5	10	8260D, 6010D, 218.6, 9056A, 1633	1370	2L	5.5	2	4.5	8	14.00	17.60		0.0	X				X			X	5/26	1615	6/4	1500	X	X	X	X		



Appendix F – Groundwater and Surface Water Analytical Data Tables (All Parameters)

Appendix Table 2A
Groundwater Analytical Data Summary
Volatile Organic Compounds

Analyte			1,1-Dichloroethane (1,1-DCA)			1,1-Dichloroethene (1,1-DCE)			1,1,1-Trichloroethane (1,1,1-TCA)			1,1,2-Trichloroethane (1,1,2-TCA)			1,1,2,2-Tetrachloroethane			1,2-Dibromo-3-chloropropane (DBCP)			1,2-Dibromoethane (Ethylene Dibromide, EDB)			1,2-Dichlorobenzene			1,2-Dichloroethane (1,2-DCA)			1,2-Dichloropropane			1,2,4-Trichlorobenzene		
CAS #			75-34-3			75-35-4			71-95-6			79-00-5			79-34-5			96-12-8			106-93-4			95-50-1			107-06-2			78-87-5			120-82-1		
Units			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)		
DEP Groundwater SHS for a Used, Residential Aquifer			11			7			200			5			0.84			0.2			0.05			600			5			5			70		
SamplingEvent	Sample Date	Sample ID	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL
Data Gap Investigation - Groundwater Samples - May 2025	6/4/2026	MW-1	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		5.0
	6/3/2026	MW-2	ND		1.0	ND		1.0	2.0		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		5.0
	6/3/2026	MW-3	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		5.0
	6/2/2026	MW-4	75		1.0	ND		1.0	0.79	J	1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		5.0
	6/2/2026	MW-5	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		5.0
	6/4/2026	MW-6	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		5.0
	6/4/2026	MW-9	5.7		1.0	1.5		1.0	29		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		5.0
	6/3/2026	MW-11	9.3		1.0	0.72	J	1.0	9.1		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		5.0
	6/5/2026	MW-13	2		1.0	1.5		1.0	20		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		5.0
	6/1/2026	MW-14	ND		1.0	ND		1.0	1.7		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		5.0
	6/1/2026	MW-15	37		1.0	90		1.0	1,800		20	0.31	J	1.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		5.0
	6/4/2026	MW-16	3.4		1.0	5.9		1.0	110		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		5.0
	6/3/2026	MW-18	1.3		1.0	ND		1.0	90		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		5.0
	6/4/2026	MW-20R	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		5.0
	6/4/2026	MW-21	5		1.0	2.1		1.0	52		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		5.0
	6/2/2026	MW-22	ND		1.0	ND		1.0	1.3		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		5.0
	6/3/2026	MW-24	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		5.0
	6/3/2026	MW-25A	5.2		1.0	3.1		1	12		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		5.0
	6/3/2026	MW-25B	2,000		50	570		5.0	150		5.0	1.7	J	5.0	ND		5.0	ND		25	ND		5.0	ND		25	3.9	J	5.0	ND		5.0	ND		25
	6/3/2026	MW-25C	37		1.0	42		1.0	38		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		5.0
	6/3/2026	MW-26A	3.5		1.0	ND		1.0	5.8		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		5.0
	6/3/2026	MW-26B	3.2		1.0	4.7		1.0	ND		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		5.0
	6/3/2026	Duplicate 5 (MW-26B)	3.1		1.0	4.5		1.0	ND		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		5.0
	6/3/2026	MW-26C	ND		500	ND		500	ND		500	ND		500	ND		500	ND		2,500	ND		500	ND		2,500	ND		500	ND		500	ND		2,500
	6/2/2026	MW-27C	16		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		5.0
	6/2/2026	MW-27B	2.3		1.0	10		1.0	8.3	J	10	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		5.0
	6/2/2026	Duplicate 4 (MW-27B)	1.9		1.0	9.5		1.0	8.7	J	10	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		5.0
	6/2/2026	MW-27A	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		5.0
	6/1/2026	MW-28A	24		1.0	1.2		1.0	6.7		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		5.0
	6/1/2026	Duplicate 3 (MW-28A)	19		1.0	0.65	J	1.0	7.0		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		5.0
	6/1/2026	MW-28B	72		1.0	57		1.0	1,200		20	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	0.69	J	1.0	ND		1.0	ND		5.0
	6/1/2026	MW-28C	1,300		5.0	320		5.0	24		5.0	ND		5.0	ND		5.0	ND		25	ND		5.0	ND		25	ND		5.0	ND		5.0	ND		25
	6/5/2026	MW-30CR	0.63	J	1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		~c	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		5.0
	5/27/2026	MW-32	0.33	J	1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		5.0
	5/26/2026	MW-33	1		1.0	0.32	J	1.0	4.5		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		5.0
	5/26/2026	MW-35	4.7		1.0	1.1		1.0	13		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		5.0
	6/4/2026	MW-36	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		5.0
	5/29/2026	MW-37	2.2		1.0	0.53	J	1.0	2.9		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		B
	5/29/2026	MW-38	33		5.0	38		5.0	210		5.0	ND		5.0	ND		5.0	ND		25	ND		5.0	ND		25	ND		5.0	ND		5.0	ND		B
	5/29/2026	MW-40	5.5		1.0	2.7		1.0	19		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		B
	5/29/2026	MW-42	38		5.0	36		5.0	160		5.0	ND		5.0	ND		5.0	ND		25	ND		5.0	ND		25	ND		5.0	ND		5.0	ND		B
	6/2/2026	MW-43A	16		1.0	5.8		1.0	32		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		5.0
	6/2/2026	MW-43B	15		1.0	4.8		1.0	3.9		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		5

Appendix Table 2A

Groundwater Analytical Data Summary
Volatile Organic Compounds

Analyte			1,3-Dichlorobenzene			1,4-Dichlorobenzene (p-Dichlorobenzene)			2-Butanone (Methyl ethyl ketone, MEK)			2-Hexanone (Methyl n-butyl ketone)			4-Methyl-2-Pentanone (Methyl isobutyl ketone, MIBK)			Acetone			Benzene			Bromodichloromethane (Dichlorobromomethane)			Bromoform (Tribromomethane)			Bromomethane (methyl bromide)			Carbon disulfide		
CAS #			541-73-1			106-46-7			78-93-3			591-78-6			108-10-1			67-64-1			71-43-2			75-27-4			75-25-2			74-83-9			75-15-0		
Units			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)		
DEP Groundwater SHS for a Used, Residential Aquifer			600			75			4,000			63			2,800			31,000			5			80			80			10			1,500		
SamplingEvent	Sample Date	Sample ID	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL			
Data Gap Investigation - Groundwater Samples - May 2025	6/4/2026	MW-1	ND		5.0	ND		5.0	ND		10	ND		10	ND		10	ND		20	ND		1.0	ND		1.0	ND		4.0	ND		1.0	ND	5.0	
	6/3/2026	MW-2	ND		5.0	ND		5.0	ND		10	ND		10	ND		10	1.4	J	20	ND		1.0	ND		1.0	ND		4.0	ND		1.0	ND	5.0	
	6/3/2026	MW-3	ND		5.0	ND		5.0	ND		10	ND		10	ND		10	2.5	J	20	ND		1.0	ND		1.0	ND		4.0	ND		1.0	ND	5.0	
	6/2/2026	MW-4	ND		5.0	ND		5.0	ND		10	ND		10	ND		10	ND		20	ND		1.0	ND		1.0	ND		4.0	ND		1.0	ND	5.0	
	6/2/2026	MW-5	ND		5.0	ND		5.0	ND		10	ND		10	ND		10	1.3	J	20	ND		1.0	ND		1.0	ND		4.0	ND		1.0	ND	5.0	
	6/4/2026	MW-6	ND		5.0	ND		5.0	ND		10	ND		10	ND		10	18	J	20	ND		1.0	ND		1.0	ND		4.0	ND		1.0	ND	5.0	
	6/4/2026	MW-9	ND		5.0	ND		5.0	ND		10	ND		10	ND		10	3.3	J	20	ND		1.0	ND		1.0	ND		4.0	ND		1.0	ND	5.0	
	6/3/2026	MW-11	ND		5.0	ND		5.0	ND		10	ND		10	ND		10	ND		20	ND		1.0	ND		1.0	ND		4.0	ND		1.0	ND	5.0	
	6/5/2026	MW-13	ND		5.0	ND		5.0	ND		10	ND		10	ND		10	ND		20	ND		1.0	ND		1.0	ND		4.0	ND		1.0	ND	5.0	
	6/1/2026	MW-14	ND		5.0	ND		5.0	ND		10	ND		10	ND		10	ND		20	ND		1.0	ND		1.0	ND		4.0	ND		1.0	ND	5.0	
	6/1/2026	MW-15	ND		5.0	ND		5.0	ND		10	ND		10	ND		10	2.3	J	20	ND		1.0	ND		1.0	ND		4.0	ND		1.0	ND	5.0	
	6/4/2026	MW-16	ND		5.0	ND		5.0	ND		10	ND		10	ND		10	3.4	J	20	ND		1.0	ND		1.0	ND		4.0	ND		1.0	ND	5.0	
	6/3/2026	MW-18	ND		5.0	ND		5.0	ND		10	ND		10	ND		10	3.6	J	20	ND		1.0	ND		1.0	ND		4.0	ND		1.0	ND	5.0	
	6/4/2026	MW-20R	ND		5.0	ND		5.0	ND		10	ND		10	ND		10	2.2	J	20	ND		1.0	ND		1.0	ND		4.0	ND		1.0	ND	5.0	
	6/4/2026	MW-21	ND		5.0	ND		5.0	ND		10	ND		10	ND		10	ND		20	ND		1.0	ND		1.0	ND		4.0	ND		1.0	ND	5.0	
	6/2/2026	MW-22	ND		5.0	ND		5.0	ND		10	ND		10	ND		10	ND		20	ND		1.0	ND		1.0	ND		4.0	ND		1.0	ND	5.0	
	6/3/2026	MW-24	ND		5.0	ND		5.0	ND		10	ND		10	ND		10	ND		20	ND		1.0	ND		1.0	ND		4.0	ND		1.0	ND	5.0	
	6/3/2026	MW-25A	ND		5.0	ND		5.0	ND		10	ND		10	ND		10	2.1	J	20	ND		1.0	ND		1.0	ND		4.0	ND		1.0	ND	5.0	
	6/3/2026	MW-25B	ND		25	ND		25	ND		50	ND		50	ND		50	ND		100	6.8		5.0	ND		5.0	ND		20	ND		5.0	ND	25	
	6/3/2026	MW-25C	ND		5.0	ND		5.0	ND		10	ND		10	ND		10	ND		20	ND		1.0	ND		1.0	ND		4.0	ND		1.0	ND	5.0	
	6/3/2026	MW-26A	ND		5.0	ND		5.0	ND		10	ND		10	ND		10	2.9	J	20	ND		1.0	ND		1.0	ND		4.0	ND		1.0	ND	5.0	
	6/3/2026	MW-26B	ND		5.0	ND		5.0	ND		10	ND		10	ND		10	3.5	J	20	ND		1.0	ND		1.0	ND		4.0	ND		1.0	ND	5.0	
	6/3/2026	Duplicate 5 (MW-26B)	ND		5.0	ND		5.0	ND		10	ND		10	ND		10	19	J	20	ND		1.0	ND		1.0	ND		4.0	ND		1.0	ND	5.0	
	6/3/2026	MW-26C	ND		2,500	ND		2,500	ND		5,000	ND		5,000	ND		5,000	ND		10,000	ND		900	ND		900	ND		2,000	ND		900	ND	2,900	
	6/2/2026	MW-27C	ND		5.0	ND		5.0	ND		10	ND		10	ND		10	1.4	J	20	0.44	J	1.0	ND		1.0	ND		4.0	ND		1.0	ND	5.0	
	6/2/2026	MW-27B	ND		5.0	ND		5.0	ND		10	ND		10	ND		10	ND		20	1.4		1.0	ND		1.0	ND		4.0	ND		1.0	ND	5.0	
	6/2/2026	Duplicate 4 (MW-27B)	ND		5.0	ND		5.0	ND		10	ND		10	ND		10	ND		20	1.0		1.0	ND		1.0	ND		4.0	ND		1.0	ND	5.0	
	6/2/2026	MW-27A	ND		5.0	ND		5.0	ND		10	ND		10	ND		10	ND		20	ND		1.0	ND		1.0	ND		4.0	ND		1.0	ND	5.0	
	6/1/2026	MW-28A	ND		5.0	ND		5.0	ND		10	ND		10	ND		10	2.3	J	20	ND		1.0	ND		1.0	ND		4.0	ND		1.0	ND	5.0	
	6/1/2026	Duplicate 3 (MW-28A)	ND		5.0	ND		5.0	ND		10	ND		10	ND		10	ND		20	ND		1.0	ND		1.0	ND		4.0	ND		1.0	ND	5.0	
	6/1/2026	MW-28B	ND		5.0	ND		5.0	ND		10	ND		10	ND		10	ND		20	0.59	J	1.0	ND		1.0	ND		4.0	ND		1.0	ND	5.0	
	6/1/2026	MW-28C	ND		25	ND		25	ND		50	ND		50	ND		50	ND		100	10		5.0	ND		5.0	ND		20	ND		5.0	ND	25	
	6/5/2026	MW-30CR	ND		5.0	ND		5.0	ND		10	ND		10	ND		10	4.8	J	20	ND		1.0	ND		1.0	ND		4.0	ND		1.0	ND	5.0	
	5/27/2026	MW-32	ND		5.0	ND		5.0	ND		10	ND		10	ND		10	ND		20	ND		1.0	ND		1.0	ND		4.0	ND		1.0	ND	5.0	
	5/26/2026	MW-33	ND		5.0	ND		5.0	ND		10	ND		10	ND		10	ND		20	ND		1.0	ND		1.0	ND		4.0	ND		1.0	ND	5.0	
	5/26/2026	MW-35	ND		5.0	ND		5.0	ND		10	ND		10	ND		10	1.4	J	20	0.39	J	1.0	ND		1.0	ND		4.0	ND		1.0	ND	5.0	
	6/4/2026	MW-36	ND		5.0	ND		5.0	ND		10	ND		10	ND		10	8.4	J	20	ND		1.0	ND		1.0	ND		4.0	ND		1.0	ND	5.0	
	5/29/2026	MW-37	ND		5.0	ND		5.0	ND		10	ND		10	ND		10	1.4	J	20	ND		1.0	ND		1.0	ND		4.0	ND		1.0	ND	5.0	
	5/29/2026	MW-38	ND		25	ND		25	ND		50	ND		50	ND		50	12	J	100	ND		5.0	ND		5.0	ND		20	ND		5.0	ND	25	
	5/29/2026	MW-40	ND		5.0	ND		5.0	ND		10	ND		10	ND		10	0.83	J	20	ND		1.0	ND		1.0	ND		4.0	ND		1.0	ND	5.0	
	5/29/2026	MW-42	ND		25	ND		25	ND		50	ND		50	ND																				

Appendix Table 2A

Groundwater Analytical Data Summary
Volatile Organic Compounds

	Analyte	Carbon tetrachloride			Chlorobenzene			Chloroethane			Chloroform			Chloromethane (Methyl Chloride)			cis-1,2-Dichloroethene (cis-1,2-Dichloroethylene, cis-1,2-DCE)			cis-1,3-Dichloropropene			Cyclohexane			Dibromochloromethane (Chlorodibromomethane)			Dichlorodifluoromethane (Freon 12)			Ethylbenzene					
		CAS #			56-23-5			108-90-7			75-00-3			67-66-3			74-87-3			156-59-2			10061-01-5			110-82-7			124-48-1			75-71-8			100-41-4		
		Units			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)		
DEP Groundwater SHS for a Used, Residential Aquifer		5			100			21,000			80			30			70			6.5			13,000			80			1,000			700					
SamplingEvent	Sample Date	Sample ID	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL					
Data Gap Investigation - Groundwater Samples - May 2025	6/4/2026	MW-1	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0					
	6/3/2026	MW-2	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	7.9		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0					
	6/3/2026	MW-3	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	10		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0					
	6/2/2026	MW-4	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	6.0		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0					
	6/2/2026	MW-5	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0					
	6/4/2026	MW-6	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0					
	6/4/2026	MW-9	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	160		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0					
	6/3/2026	MW-11	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	110		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0					
	6/5/2026	MW-13	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	8.6		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0					
	6/1/2026	MW-14	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0					
	6/1/2026	MW-15	ND		1.0	ND		1.0	1.2		1.0	ND		1.0	ND		2.0	1,100		20	ND		1.0	ND		5.0	ND		1.0	ND		1.0					
	6/4/2026	MW-16	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	48		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0					
	6/3/2026	MW-18	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	3.2		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0					
	6/4/2026	MW-20R	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0					
	6/4/2026	MW-21	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	0.55	J	1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0					
	6/2/2026	MW-22	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0					
	6/3/2026	MW-24	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0					
	6/3/2026	MW-25A	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	110		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0					
	6/3/2026	MW-25B	ND		5.0	18		5.0	ND		5.0	ND		5.0	ND		10	39,000		500	ND		5.0	ND		5.0	ND		5.0	ND		5.0					
	6/3/2026	MW-25C	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	1,300		10	ND		1.0	ND		5.0	ND		1.0	ND		1.0					
	6/3/2026	MW-26A	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	31		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0					
	6/3/2026	MW-26B	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	110		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0					
	6/3/2026	Duplicate 5 (MW-26B)	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	100		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0					
	6/3/2026	MW-26C	ND		500	ND		500	ND		500	ND		500	ND		1,000	24,000		500	ND		500	ND		2,500	ND		500	ND		500					
	6/2/2026	MW-27C	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	6.2		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0					
	6/2/2026	MW-27B	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	1,000		10	ND		1.0	ND		5.0	ND		1.0	ND		1.0					
	6/2/2026	Duplicate 4 (MW-27B)	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	960		10	ND		1.0	ND		5.0	ND		1.0	ND		1.0					
	6/2/2026	MW-27A	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	1.9		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0					
	6/1/2026	MW-28A	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	13		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0					
	6/1/2026	Duplicate 3 (MW-28A)	ND		1.0	ND		1.0	0.30	J	1.0	ND		1.0	ND		2.0	8.1		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0					
	6/1/2026	MW-28B	ND		1.0	ND		1.0	110		1.0	ND		1.0	ND		2.0	1,300		20	ND		1.0	ND		5.0	ND		1.0	ND		1.0					
	6/1/2026	MW-28C	ND		5	ND		5.0	5.8		5.0	ND		5.0	ND		10	9,800		100	ND		5.0	ND		25	ND		5.0	ND		5.0					
	6/5/2026	MW-30CR	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0					
	5/27/2026	MW-32	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	0.62	J	1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0					
	5/26/2026	MW-33	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	4.2		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0					
	5/26/2026	MW-35	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	22		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0					
	6/4/2026	MW-36	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0					
	5/29/2026	MW-37	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	7.1		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0					
	5/29/2026	MW-38	ND		5.0	ND		5.0	ND		5.0	ND		5.0	ND		10	360		5.0	ND		5.0	ND		25	ND		5.0	ND		5.0					
	5/29/2026	MW-40	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	40		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0					
	5/29/2026	MW-42	ND		5.0	ND		5.0	ND		5.0	ND		5.0	ND		10	340		5.0	ND		5.0	ND		25	ND		5.0	ND		5.0					
	6/2/2026	MW-43A	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		2.0	130		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0					
	6/2/2026	MW-43B	ND		1.0	ND		1.0	ND		1.0	ND		1.0																							

Appendix Table 2A

Groundwater Analytical Data Summary
Volatile Organic Compounds

Analyte			Freon 113 (1,1,2-Trichloro-1,2,2-Trifluoroethane)			Isopropylbenzene (Cumene)			Methyl acetate			Methyl tertiary butyl ether (MTBE)			Methylcyclohexane			Methylene Chloride (Dichloromethane)			Styrene			Tetrachloroethene (Tetrachloroethylene, PCE)			Toluene			trans-1,2-Dichloroethene (trans-1,2-Dichloroethylene, trans-1,2-DCS)			trans-1,3-Dichloropropene		
CAS #			76-13-1			98-82-8			79-20-9			1634-04-4			108-87-2			75-09-2			100-42-5			127-18-4			108-88-3			156-60-5			10061-02-6		
Units			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)		
DEP Groundwater SHS for a Used, Residential Aquifer			NS			840			35,000			20			NS			5			100			5			1,000			100			6.5		
SamplingEvent	Sample Date	Sample ID	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL			
Data Gap Investigation - Groundwater Samples - May 2025	6/4/2026	MW-1	ND		10	ND		5.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0
	6/3/2026	MW-2	ND		10	ND		5.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	1.2		1.0	ND		1.0	ND		2.0	ND		1.0
	6/3/2026	MW-3	ND		10	ND		5.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0
	6/2/2026	MW-4	ND		10	ND		5.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0
	6/2/2026	MW-5	ND		10	ND		5.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0
	6/4/2026	MW-6	ND		10	ND		5.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0
	6/4/2026	MW-9	ND		10	ND		5.0	ND		5.0	1.7		1.0	ND		5.0	ND		1.0	ND		5.0	0.31	J	1.0	ND		1.0	1.6	J	2.0	ND		1.0
	6/3/2026	MW-11	ND		10	ND		5.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	2.2		1.0	ND		1.0	ND		2.0	ND		1.0
	6/5/2026	MW-13	1.7	J	10	ND		5.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0
	6/1/2026	MW-14	ND		10	ND		5.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0
	6/1/2026	MW-15	120		10	ND		5.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	6.6		1.0	ND		1.0	6.5		2.0	ND		1.0
	6/4/2026	MW-16	10		10	ND		5.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	0.40	J	1.0	ND		1.0	ND		2.0	ND		1.0
	6/3/2026	MW-18	0.35	J	10	ND		5.0	ND		5.0	0.22	J	1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0
	6/4/2026	MW-20R	ND		10	ND		5.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0
	6/4/2026	MW-21	1.3	J	10	ND		5.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0
	6/2/2026	MW-22	ND		10	ND		5.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0
	6/3/2026	MW-24	ND		10	ND		5.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0
	6/3/2026	MW-25A	ND		10	ND		5.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	1.1		1.0	ND		1.0	2.2		2.0	ND		1.0
	6/3/2026	MW-25B	ND		50	ND		25	ND		25	95		5.0	ND		25	ND		5.0	ND		25	4.9	J	5.0	3.6	J	5.0	270		10	ND		5.0
	6/3/2026	MW-25C	ND		10	ND		5.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	2.0		1.0	0.32	J	1.0	41		2.0	ND		1.0
	6/3/2026	MW-26A	ND		10	ND		5.0	ND		5.0	0.67	J	1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0
	6/3/2026	MW-26B	ND		10	ND		5.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	92		1.0	0.39	J	1.0	5.2		2.0	ND		1.0
	6/3/2026	Duplicate 5 (MW-26B)	ND		10	ND		5.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	85		1.0	0.31	J	1.0	4.8		2.0	ND		1.0
	6/3/2026	MW-26C	ND		5,000	ND		2,500	ND		2,500	ND		500	ND		2,500	ND		500	ND		2,500	630		500	ND		500	ND		1,000	ND		500
	6/2/2026	MW-27C	ND		10	ND		5.0	ND		5.0	5.0		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0
	6/2/2026	MW-27B	ND		10	ND		5.0	ND		5.0	1.1		1.0	ND		5.0	ND		1.0	ND		5.0	32		1.0	ND		1.0	10		2.0	ND		1.0
	6/2/2026	Duplicate 4 (MW-27B)	ND		10	ND		5.0	ND		5.0	1.1		1.0	ND		5.0	ND		1.0	ND		5.0	27		1.0	ND		1.0	9.1		2.0	ND		1.0
	6/2/2026	MW-27A	ND		10	ND		5.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0
	6/1/2026	MW-28A	ND		10	ND		5.0	ND		5.0	2.1		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	2.0		2.0	ND		1.0
	6/1/2026	Duplicate 3 (MW-28A)	ND		10	ND		5.0	ND		5.0	1.5		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	1.8	J	2.0	ND		1.0
	6/1/2026	MW-28B	21		10	0.36	J	5.0	ND		5.0	5.3		1.0	ND		5.0	0.85	J	1.0	ND		5.0	9.9		1.0	0.62	J	1.0	26		2.0	ND		1.0
	6/1/2026	MW-28C	ND		50	ND		25	ND		25	110		5.0	ND		25	ND		5.0	ND		25	ND		5.0	2.5	J	5.0	76		10	ND		5.0
	6/5/2026	MW-30CR	ND		10	ND		5.0	ND		5.0	1.1		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0
	5/27/2026	MW-32	ND		10	ND		5.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0
	5/26/2026	MW-33	ND		10	ND		5.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0
	5/26/2026	MW-35	0.64	J	10	ND		5.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	0.34	J	1.0	ND		1.0	0.90	J	2.0	ND		1.0
	6/4/2026	MW-36	ND		10	ND		5.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0
	5/29/2026	MW-37	ND		10	ND		5.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0
	5/29/2026	MW-38	17	J	50	ND		25	ND		25	ND		5.0	ND		25	ND		5.0	ND		25	3.2	J	5.0	ND								



Appendix Table 2A
Groundwater Analytical Data Summary
Volatile Organic Compounds

Analyte			Trichloroethene (Trichloroethylene, TCE)			Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)			Vinyl chloride (VC)			Xylenes, Total		
CAS #			79-01-6			75-69-4			75-01-4			1330-20-7		
Units			(µg/L)			(µg/L)			(µg/L)			(µg/L)		
DEP Groundwater SHS for a Used, Residential Aquifer			5			2,000			2			10,000		
SamplingEvent	Sample Date	Sample ID	Result	Qualifier		Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL
Data Gap Investigation - Groundwater Samples - May 2026	6/4/2026	MW-1	ND		1.0	ND		1.0	ND		1.0	ND		1.0
	6/3/2026	MW-2	24		1.0	ND		1.0	ND		1.0	ND		1.0
	6/3/2026	MW-3	52		1.0	ND		1.0	ND		1.0	ND		1.0
	6/2/2026	MW-4	1.1		1.0	ND		1.0	1.2		1.0	ND		1.0
	6/2/2026	MW-5	ND		1.0	ND		1.0	0.66	J	1.0	ND		1.0
	6/4/2026	MW-6	0.31	J	1.0	ND		1.0	ND		1.0	ND		1.0
	6/4/2026	MW-9	15		1.0	ND		1.0	22		1.0	ND		1.0
	6/3/2026	MW-11	220		1.0	ND		1.0	0.83	J	1.0	ND		1.0
	6/5/2026	MW-13	58		1.0	ND		1.0	ND		1.0	ND		1.0
	6/1/2026	MW-14	2.5		1.0	ND		1.0	ND		1.0	ND		1.0
	6/1/2026	MW-15	1,600		20	ND		1.0	15		1.0	ND		1.0
	6/4/2026	MW-16	54		1.0	ND		1.0	ND		1.0	ND		1.0
	6/3/2026	MW-18	3.8		1.0	ND		1.0	ND		1.0	ND		1.0
	6/4/2026	MW-20R	0.55	J	1.0	ND		1.0	ND		1.0	ND		1.0
	6/4/2026	MW-21	23		1.0	ND		1.0	ND		1.0	ND		1.0
	6/2/2026	MW-22	1.8		1.0	ND		1.0	ND		1.0	ND		1.0
	6/3/2026	MW-24	ND		1.0	ND		1.0	ND		1.0	ND		1.0
	6/3/2026	MW-25A	270		1.0	ND		1.0	0.71	J	1.0	ND		1.0
	6/3/2026	MW-25B	5,700		50	ND		5.0	510		5.0	ND		5.0
	6/3/2026	MW-25C	860		10	ND		1.0	20		1.0	ND		1.0
	6/3/2026	MW-26A	2.5		1.0	ND		1.0	3.0		1.0	ND		1.0
	6/3/2026	MW-26B	5,900		100	ND		1.0	2.7		1.0	ND		1.0
	6/3/2026	Duplicate 5 (MW-26B)	5,900		100	ND		1.0	2.5		1.0	ND		1.0
	6/3/2026	MW-26C	520,000		5,000	ND		500	ND		500	ND		500
	6/2/2026	MW-27C	0.88	J	1.0	ND		1.0	170		1.0	ND		1.0
	6/2/2026	MW-27B	3,500		100	ND		1.0	67		1.0	ND		1.0
	6/2/2026	Duplicate 4 (MW-27B)	3,100		100	ND		1.0	41		1.0	ND		1.0
	6/2/2026	MW-27A	1.9		1.0	ND		1.0	ND		1.0	ND		1.0
	6/1/2026	MW-28A	25		1.0	ND		1.0	7.4		1.0	ND		1.0
	6/1/2026	Duplicate 3 (MW-28A)	15		1.0	ND		1.0	7.9		1.0	ND		1.0
	6/1/2026	MW-28B	2,100		20	ND		1.0	59		1.0	ND		1.0
	6/1/2026	MW-28C	790		5.0	ND		5.0	380		5.0	ND		5.0
	6/5/2026	MW-30CR	ND		1.0	ND		1.0	ND		1.0	ND		1.0
	5/27/2026	MW-32	0.30	J	1.0	ND		1.0	ND		1.0	ND		1.0
	5/26/2026	MW-33	2.4		1.0	ND		1.0	ND		1.0	ND		1.0
	5/26/2026	MW-35	7.5		1.0	ND		1.0	ND		1.0	ND		1.0
	6/4/2026	MW-36	ND		1.0	ND		1.0	ND		1.0	ND		1.0
	5/29/2026	MW-37	5.9		1.0	ND		1.0	ND		1.0	ND		1.0
	5/29/2026	MW-38	320		5.0	ND		5.0	1.7	J	5.0	ND		5.0
	5/29/2026	MW-40	41		1.0	ND		1.0	ND		1.0	ND		1.0
	5/29/2026	MW-42	240		5.0	ND		5.0	ND		5.0	ND		5.0
	6/2/2026	MW-43A	120		1.0	ND		1.0	0.38	J	1.0	ND		1.0
	6/2/2026	MW-43B	120		1.0	ND		1.0	ND		1.0	ND		1.0
	6/2/2026	MW-43C	14		1.0	ND		1.0	ND		1.0	ND		1.0
	5/29/2026	MW-44A	480		5.0	ND		5.0	2.3	J	5.0	ND		5.0
	5/29/2026	MW-44B	290		2.0	ND		2.0	1.4	J	2.0	ND		2.0
	6/2/2026	MW-44C	260		1.0	ND		1.0	140		1.0	ND		1.0
	5/29/2026	MW-45A	73		1.0	ND		1.0	ND		1.0	ND		1.0
	5/29/2026	MW-45B	2.2		1.0	ND		1.0	ND		1.0	ND		1.0
	5/29/2026	MW-45C	110		1.0	ND		1.0	0.99	J	1.0	ND		1.0
	6/2/2026	MW-46	ND		2.0	ND		2.0	ND		2.0	ND		2.0
	6/2/2026	MW-47	800		10	ND		1.0	4.9		1.0	ND		1.0
	6/1/2026	MW-49A	ND		1.0	ND		1.0	ND		1.0	ND		1.0
	6/1/2026	MW-49B	2.0		1.0	ND		1.0	ND		1.0	ND		1.0
	6/1/2026	MW-50A	ND		1.0	ND		1.0	ND		1.0	ND		1.0
	6/1/2026	MW-50B	ND		1.0	ND		1.0	ND		1.0	ND		1.0
	6/1/2026	MW-51A	510		10	ND		1.0	1.5		1.0	ND		1.0
	6/1/2026	MW-51B	15,000		200	ND		1.0	ND		1.0	ND		1.0
	6/1/2026	MW-52	170		1.0	ND		1.0	ND		1.0	ND		1.0
	6/2/2026	MW-53A	410		1.0	ND		1.0	3.0		1.0	ND		1.0
	6/2/2026	MW-53B	30		1.0	ND		1.0	22		1.0	ND		1.0
	6/2/2026	MW-54	0.34	J	1.0	ND		1.0	ND		1.0	ND		1.0
	6/2/2026	MW-56	240		1.0	ND		1.0	1.1		1.0	ND		1.0
	5/26/2026	MW-57A	ND		1.0	ND		1.0	ND		1.0	ND		1.0
	5/26/2026	MW-57B	ND		1.0	ND		1.0	ND		1.0	ND		1.0
	5/26/2026	MW-57C	ND		1.0	ND		1.0	ND		1.0	ND		1.0
	5/27/2026	MW-58A	0.42	J	1.0	ND		1.0	ND		1.0	ND		1.0
	5/27/2026	MW-58B	ND		1.0	ND		1.0	0.94	J	1.0	ND		1.0
	5/27/2026	MW-58C	0.38	J	1.0	ND		1.0	1.4		1.0	ND		1.0
	6/1/2026	MW-60	ND		1.0	ND		1.0	ND		1.0	ND		1.0
	6/3/2026	MW-61	150		1.0	ND		1.0	1.1		1.0	ND		1.0
	6/2/2026	MW-62	1.0		1.0	ND		1.0	ND		1.0	ND		1.0
	6/2/2026	MW-63	820		10	ND		1.0	4.3		1.0	ND		1.0
	5/28/2026	MW-64	8,700		100	ND		100	140		100	ND		100
	6/2/2026	MW-65	2.9		1.0	ND		1.0	ND		1.0	ND		1.0
	5/29/2026	MW-67	1,400		20	ND		20	76		20	ND		20
	5/29/2026	Duplicate # 2 (MW-67)	1,300		20	ND		20	100		20	ND		20
	6/4/2026	MW-68	19,000		100	ND		10	450		10	ND		10
	6/4/2026	MW-69	2,090		500	ND		1.0	69		1.0	ND		1.0
	6/4/2026	MW-70	340		10	ND		10	220		10	6.3	J	10
	6/4/2026	MW-71	12		1.0	ND		1.0	3.7		1.0	ND		1.0
	6/3/2026	MW-72	300,000		5,000	ND		100	540		100	ND		100
	6/3/2026	MW-73	28,090		500	ND		50	91		50	ND		50
	5/29/2026	MW-74	17,090		2,000	ND		20	750		20	ND		20
	6/2/2026	MW-75A	450,000		5,000	ND		500	ND		500	ND		500
	6/2/2026	MW-75B	790,000		5,000	ND		500	ND		500	ND		500
	5/28/2026	MW-76	28	H	1.0	ND	H	1.0	ND	H	1.0	ND	H	1.0
	5/28/2026	MW-77	13,090		100	ND		100	ND		100	ND		100
	5/28/2026	MW-78A	44		10	ND		10	47		10	ND		10
	5/28/2026	MW-78B	67,090		250	ND		250	11,000		250	ND		250
	5/28/2026	MW-78C	400,000		10,000	ND		1000	610	J	1000	ND		1000
	6/1/2026	MW-79A	110,000		2,000	ND		1.0	5.6		1.0	5.9		1.0
	6/1/2026	MW-79B	790		10	ND		1.0	0.86	J	1.0	ND		1.0
	5/27/2026	MW-80A	0.81	J	1.0	ND		1.0	ND		1.0	ND		1.0
	5/27/2026	MW-80B	0.32	J	1.0	ND		1.0	3.8		1.0	ND		1.0
	5/27/2026	MW-80C	ND		1.0	ND		1.0	5.1		1.0	ND		1.0
	6/1/2026	MW-81	3.2		1.0	ND		1.0	ND		1.0	ND		1.0
	6/1/2026	MW-82A	8.4		1.0	ND		1.0	ND		1.0	ND		1.0
	6/1/2026	MW-82B	1.9		1.0	ND		1.0	3.3		1.0	ND		1.0
	5/27/2026	MW-83	ND		1.0	ND		1.0	ND		1.0	ND		1.0
	5/27/2026	MW-84A	ND		1.0	ND		1.0	ND		1.0	ND		1.0
	5/27/2026	Duplicate 1 (MW-84A)	ND		1.0	ND		1.0	ND		1.0	ND		1.0
	5/27/2026	MW-84B	ND		1.0	ND		1.0	6.6		1.0	ND		1.0
6/5/2026	MW-85A	27,000		100	ND		1.0	ND		1.0	ND		1.0	
6/5/2026	Duplicate 6 (MW-85A)	25,000		100	ND		1.0	ND		1.0	ND		1.0	
6/5/2026	MW-85B	2,200		50	ND		1.0	ND		1.0	ND		1.0	
6/5/2026	PZ-1	14		1.0	ND		1.0	ND		1.0	ND		1.0	
5/26/2026	PZ-5	0.48	J	1.0	ND		1.0	ND		1.0	ND		1.0	
6/5/2026	PZ-6	22		1.0	ND		1.0	ND		1.0	ND		1.0	
6/5/202														

Appendix Table 2B

Groundwater Analytical Data Summary
Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS)

Analyte			11-Chlorooctadecafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)			1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)			1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)			1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)			3-Perfluoroheptylpropanoic acid (7:3 FTCA)			3-Perfluoropentylpropanoic acid (5:3 FTCA)			3-Perfluoropropylpropanoic acid (3:3 FTCA)			4,8-Dioxo-3H-perfluorononanoic acid (ADONA)			9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)		
CAS #	763051-92-9					39108-34-4			757124-72-4			27619-97-2			812-70-4			914637-49-3			356-02-5			919005-14-4			756426-58-1		
Units	(ng/L)					(ng/L)			(ng/L)			(ng/L)			(ng/L)			(ng/L)			(ng/L)			(ng/L)			(ng/L)		
DEP Groundwater SHS for a Used, Residential Aquifer			NS			NS			NS			NS			NS			NS			NS			NS			NS		
SamplingEvent	Sample Date	Sample ID	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL
Data Gap Investigation Groundwater Samples May 2026	6/4/2026	MW-1	ND		1.7	ND		3.4	ND		3.4	ND		3.4	ND		8.5	ND		8.5	ND		3.4	ND		1.7	ND		1.7
	6/3/2026	MW-2	ND		1.8	ND		3.5	ND		3.5	1.1	J	3.5	ND		8.8	ND		8.8	ND		3.5	ND		1.8	ND		1.8
	6/3/2026	MW-3	ND		1.7	ND		3.5	ND		3.5	2.6	J	3.5	ND		8.6	ND		8.6	ND		3.5	ND		1.7	ND		1.7
	6/2/2026	MW-4	ND		1.7	ND		3.4	ND		3.4	6.8		3.4	2.6	J	8.4	ND		8.4	ND		3.4	ND		1.7	ND		1.7
	6/2/2026	MW-5	ND		1.7	1.9	J	3.3	ND		3.3	22		3.3	ND		8.3	ND		8.3	ND		3.3	ND		1.7	ND		1.7
	6/4/2026	MW-6	ND		1.8	ND		3.7	ND		3.7	16		3.7	ND		9.2	ND		9.2	ND		3.7	ND		1.8	ND		1.8
	6/4/2026	MW-9	ND		1.8	38		3.5	2.0	J	3.5	220		3.5	ND		8.8	ND		8.8	ND		3.5	ND		1.8	ND		1.8
	6/3/2026	MW-11	ND		1.7	2.0	J	3.5	ND		3.5	12		3.5	ND		8.7	ND		8.7	ND		3.5	ND		1.7	ND		1.7
	6/5/2026	MW-13	ND		1.8	ND		3.7	ND		3.7	1.1	J	3.7	ND		9.1	ND		9.1	ND		3.7	ND		1.8	ND		1.8
	6/1/2026	MW-14	ND		1.9	ND		3.9	ND		3.9	ND		3.9	ND		9.7	ND		9.7	ND		3.9	ND		1.9	ND		1.9
	6/1/2026	MW-15	ND		1.7	9.7		3.5	ND		3.5	54		3.5	ND		8.6	ND		8.6	ND		3.5	ND		1.7	ND		1.7
	6/4/2026	MW-16	ND		1.9	ND		3.7	ND		3.7	1.1	J	3.7	ND		9.3	ND		9.3	ND		3.7	ND		1.9	ND		1.9
	6/3/2026	MW-18	ND		1.8	5.4		3.6	ND		3.6	20		3.6	ND		9.0	ND		9.0	ND		3.6	ND		1.8	ND		1.8
	6/4/2026	MW-20R	ND		1.9	2.6	J	3.7	ND		3.7	16		3.7	ND		9.3	6.0	J	9.3	ND		3.7	ND		1.9	ND		1.9
	6/4/2026	MW-21	ND		1.8	ND		3.5	ND		3.5	2.0	J	3.5	ND		8.8	ND		8.8	ND		3.5	ND		1.8	ND		1.8
	6/2/2026	MW-22	ND		1.6	17		3.2	ND		3.2	85		3.2	ND		8.1	16		8.1	2.4	J	3.2	ND		1.6	ND		1.6
	6/3/2026	MW-24	ND		1.7	ND		3.3	ND		3.3	1.4	J	3.3	ND		8.3	ND		8.3	ND		3.3	ND		1.7	ND		1.7
	6/3/2026	MW-25A	ND		1.7	4.5		3.5	ND		3.5	31		3.5	ND		8.7	ND		8.7	ND		3.5	ND		1.7	ND		1.7
	6/3/2026	MW-25B	ND		1.8	3.7		3.5	17		3.5	300		3.5	ND		8.8	3.6	J	8.8	1.8	J	3.5	ND		1.8	ND		1.8
	6/3/2026	MW-25C	ND		1.8	ND		3.5	ND		3.5	1.6	J	3.5	ND		8.9	ND		8.9	ND		3.5	ND		1.8	ND		1.8
	6/3/2026	MW-26A	ND		1.8	17		3.6	ND		3.6	82		3.6	ND		9.0	2.9	J	9.0	ND		3.6	ND		1.8	ND		1.8
	6/3/2026	MW-26B	ND		1.8	ND		3.6	ND		3.6	12		3.6	ND		8.9	ND		8.9	ND		3.6	ND		1.8	ND		1.8
	6/3/2026	Duplicate 5 (MW-26B)	ND		1.8	ND		3.7	ND		3.7	3.0	J	3.7	ND		9.2	ND		9.2	ND		3.7	ND		1.8	ND		1.8
	6/3/2026	MW-26C	ND		1.9	ND		3.8	2.9	J	3.8	120		3.8	ND		9.5	3.7	J	9.5	ND		3.8	ND		1.9	ND		1.9
	6/2/2026	MW-27C	ND		1.8	ND		3.6	2.7	J	3.6	160		3.6	ND		9.0	6.7	J	9.0	ND		3.6	ND		1.8	ND		1.8
	6/2/2026	MW-27B	ND		1.6	6.5		3.3	3.4		3.3	110		3.3	ND		8.2	2.5	J	8.2	ND		3.3	ND		1.6	ND		1.6
	6/2/2026	Duplicate 4 (MW-27B)	ND		1.8	5.6		3.6	2.6	J	3.6	120		3.6	ND		9.1	3.3	J	9.1	ND		3.6	ND		1.8	ND		1.8
	6/2/2026	MW-27A	ND		1.6	0.92	J	3.3	6.3		3.3	570		3.3	ND		8.1	3.4	J	8.1	ND		3.3	ND		1.6	ND		1.6
	6/1/2026	MW-28A	ND		1.8	7.4		3.6	2.3	J	3.6	190		3.6	ND		9.0	3.4	J	9.0	ND		3.6	ND		1.8	ND		1.8
	6/1/2026	Duplicate 3 (MW-28A)	ND		1.7	4.4		3.3	1.8	J	3.3	120		3.3	ND		8.3	4.5	J	8.3	ND		3.3	ND		1.7	ND		1.7
	6/1/2026	MW-28B	ND		1.6	44		3.2	3.1	J	3.2	320		3.2	ND		8.0	3.2	J	8.0	ND		3.2	ND		1.6	ND		1.6
	6/1/2026	MW-28C	ND		1.7	3.6		3.5	19		3.5	520		3.5	ND		8.7	7.9	J	8.7	2.1	J	3.5	ND		1.7	ND		1.7
	6/5/2026	MW-30CR	ND		1.8	ND		3.6	3.0	J	3.6	39		3.6	ND		9.0	ND		9.0	ND		3.6	ND		1.8	ND		1.8
	5/27/2026	MW-32	ND		1.5	ND		2.9	ND		2.9	ND		2.9	ND		7.3	ND		7.3	ND		2.9	ND		1.5	ND		1.5
	5/26/2026	MW-33	ND		1.5	ND		3.1	ND		3.1	ND		3.1	ND		7.7	ND		7.7	ND		3.1	ND		1.5	ND		1.5
	5/26/2026	MW-35	ND		1.6	ND		3.2	ND		3.2	ND		3.2	ND		8.1	ND		8.1	ND		3.2	ND		1.6	ND		1.6
	6/4/2026	MW-36	ND		2.0	ND		4.0	ND		4.0	ND		4.0	ND		9.9	ND		9.9	ND		4.0	ND		2.0	ND		2.0
	5/29/2026	MW-37	0.55	J	1.6	1.2	J	3.2	1.2	J	3.2	1.8	J	3.2	3.1	J	8.0	4.0	J	8.0	1.6	J	3.2	ND		1.6	0.60	J	1.6
	5/29/2026	MW-38	ND		1.7	ND		3.4	ND		3.4	7.4		3.4	ND		8.4	ND		8.4	ND		3.4	ND		1.7	ND		1.7
	5/29/2026	MW-40	ND		1.6	ND		3.2	ND		3.2	2.2	J	3.2	ND		8.1	ND		8.1	ND		3.2	ND		1.6	ND		1.6
	5/29/2026	MW-42	ND		1.7	ND		3.4	ND		3.4	7.7		3.4	ND		8.4	ND		8.4	ND		3.4	ND		1.7	ND		1.7
	6/2/2026	MW-43A	ND		1.7	ND		3.5	ND		3.5	3.3	J	3.5	ND		8.7	ND		8.7	ND		3.5	ND		1.7	ND		1.7
	6/2/2026	MW-43B	ND		1.7	ND		3.4	1.3	J	3.4	5.5		3.4	ND		8.4	ND		8.4	ND		3.4	ND		1.7	ND		1.7
	6/2/2026	MW-43C	ND		1.8	ND		3.5	ND		3.5	ND		3.5	ND		8.8	ND		8.8	ND		3.5	ND		1.8	ND		1.8
	5/29/2026	MW-44A	ND		1.4	1.9	J	2.9	ND		2.9	32		2.9	ND		7.2	ND		7.2	ND		2.9	ND		1.4	ND		1.4
	5/29/2026	MW-44B	ND		1.6	1.5	J	3.3	ND		3.3	19		3.3	ND		8.1	ND		8.1	ND		3.3	ND		1.6	ND		1.6
	6/2/2026	MW-44C	ND		1.6	1.6	J	3.3	ND		3.3	30		3.3	ND		8.1	ND		8.1	ND		3.3	ND		1.6	ND		1.6
	5/29/2026	MW-45A	ND		1.6	ND		3																					



Appendix Table 2B

Groundwater Analytical Data Summary
Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS)

Analyte			Hexafluoropropylene Oxide Dimer Acid (HFPO-DA; Gen-X)			N-ethylperfluorooctane sulfonamide (NEtFOSA)			N-ethylperfluorooctanesulfonamide-diethanol (NEtFOSE)			N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)			N-methylperfluorooctane sulfonamide (NMeFOSA)			N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)			N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)			Nonafluoro-3,6-dioxahexanoic acid (NFDHA)			Perfluoro (2-ethoxyethane) sulfonic acid (PFESA)		
CAS #			13252-13-6			4151-50-2			1691-99-2			2991-50-6			31506-32-8			24448-09-7			2355-31-9			151772-58-6			113507-82-7		
Units			(ng/L)			(ng/L)			(ng/L)			(ng/L)			(ng/L)			(ng/L)			(ng/L)			(ng/L)			(ng/L)		
DEP Groundwater SHS for a Used, Residential Aquifer			10			NS			NS			NS			NS			NS			NS			NS			NS		
SamplingEvent	Sample Date	Sample ID	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL
Data Gap Investigation Groundwater Samples May 2026	6/4/2026	MW-1	ND		1.7	ND		1.7	ND		8.5	ND		1.7	ND		1.7	ND		8.5	ND		1.7	ND		1.7	ND		1.7
	6/3/2026	MW-2	ND		1.8	ND		1.8	ND		8.8	ND		1.8	ND		1.8	ND		8.8	ND		1.8	ND		1.8	ND		1.8
	6/3/2026	MW-3	ND		1.7	ND		1.7	ND		8.6	ND		1.7	ND		1.7	ND		8.6	ND		1.7	ND		1.7	ND		1.7
	6/2/2026	MW-4	ND		1.7	ND		1.7	ND		8.4	ND		1.7	0.42	J	1.7	ND		8.4	ND		1.7	ND	B	1.7	ND		1.7
	6/2/2026	MW-5	ND		1.7	ND		1.7	ND		8.3	ND		1.7	ND		1.7	ND		8.3	ND		1.7	ND	B	1.7	ND		1.7
	6/4/2026	MW-6	ND		1.8	ND		1.8	ND		9.2	ND		1.8	ND		1.8	ND		9.2	ND		1.8	ND		1.8	ND		1.8
	6/4/2026	MW-9	ND		1.8	ND		1.8	5.6	J	8.8	ND		1.8	ND		1.8	4.5	J	8.8	ND		1.8	ND		1.8	ND		1.8
	6/3/2026	MW-11	ND		1.7	ND		1.7	ND		8.7	ND		1.7	ND		1.7	ND		8.7	ND		1.7	ND		1.7	ND		1.7
	6/5/2026	MW-13	ND		1.8	ND		1.8	ND		9.1	ND		1.8	ND		1.8	ND		9.1	ND		1.8	ND		1.8	ND		1.8
	6/1/2026	MW-14	ND		1.9	ND		1.9	ND		9.7	ND		1.9	ND		1.9	ND		9.7	ND		1.9	ND		1.9	ND		1.9
	6/1/2026	MW-15	ND		1.7	ND		1.7	ND		8.6	ND		1.7	ND		1.7	ND		8.6	ND		1.7	ND		1.7	ND		1.7
	6/4/2026	MW-16	ND		1.9	ND		1.9	ND		9.3	ND		1.9	ND		1.9	ND		9.3	ND		1.9	ND		1.9	ND		1.9
	6/3/2026	MW-18	ND		1.8	ND		1.8	ND		9.0	ND		1.8	ND		1.8	ND		9.0	ND		1.8	ND		1.8	ND		1.8
	6/4/2026	MW-20R	ND		1.9	ND		1.9	ND		9.3	ND		1.9	ND		1.9	ND		9.3	ND		1.9	ND		1.9	ND		1.9
	6/4/2026	MW-21	ND		1.8	ND		1.8	ND		8.8	ND		1.8	ND		1.8	ND		8.8	ND		1.8	ND		1.8	ND		1.8
	6/2/2026	MW-22	ND		1.6	ND		1.7	ND		8.5	ND		1.6	ND		1.7	ND		8.1	ND		1.6	ND		1.6	ND		1.6
	6/3/2026	MW-24	ND		1.7	ND		1.7	ND		8.3	ND		1.7	ND		1.7	ND		8.3	ND		1.7	ND		1.7	ND		1.7
	6/3/2026	MW-25A	ND		1.7	ND		1.7	ND		8.7	ND		1.7	ND		1.7	ND		8.7	ND		1.7	ND		1.7	ND		1.7
	6/3/2026	MW-25B	ND		1.8	ND		1.8	ND		8.8	ND		1.8	ND		1.8	ND		8.8	ND		1.8	ND		1.8	ND		1.8
	6/3/2026	MW-25C	ND		1.8	ND		1.8	ND		8.9	ND		1.8	ND		1.8	ND		8.9	ND		1.8	ND		1.8	ND		1.8
	6/3/2026	MW-26A	ND		1.8	ND		1.8	ND		9.0	ND		1.8	ND		1.8	ND		9.0	ND		1.8	ND		1.8	ND		1.8
	6/3/2026	MW-26B	ND		1.8	ND		1.8	ND		8.9	ND		1.8	ND		1.8	ND		8.9	ND		1.8	ND		1.8	ND		1.8
	6/3/2026	Duplicate 5 (MW-26B)	ND		1.8	ND		1.8	ND		9.2	ND		1.8	ND		1.8	ND		9.2	ND		1.8	ND		1.8	ND		1.8
	6/3/2026	MW-26C	ND		1.9	ND		1.9	ND		9.5	ND		1.9	ND		1.9	ND		9.5	ND		1.9	ND		1.9	ND		1.9
	6/2/2026	MW-27C	ND		1.8	ND	B	1.8	ND	B	9.0	1.3	J	1.8	ND	B	1.8	ND		9.0	ND		1.8	ND		1.8	ND		1.8
	6/2/2026	MW-27B	ND		1.6	ND	B	1.6	ND	B	8.2	ND		1.6	ND	B	1.6	ND		8.2	ND		1.6	ND		1.6	ND		1.6
	6/2/2026	Duplicate 4 (MW-27B)	ND		1.8	ND	B	1.8	ND	B	9.1	ND		1.8	ND	B	1.8	ND		9.1	ND		1.8	ND		1.8	ND		1.8
	6/2/2026	MW-27A	ND		1.6	ND	B	1.6	ND	B	8.1	ND		1.6	ND	B	1.6	ND		8.1	ND		1.6	ND		1.6	ND		1.6
	6/1/2026	MW-28A	ND		1.8	ND		1.8	ND		9.0	14		1.8	ND		1.8	ND		9.0	ND		1.8	ND		1.8	ND		1.8
	6/1/2026	Duplicate 3 (MW-28A)	ND		1.7	ND		1.7	ND		8.3	7.4		1.7	ND		1.7	ND		8.3	ND		1.7	ND		1.7	ND		1.7
	6/1/2026	MW-28B	ND		1.6	ND		1.6	ND		8.0	ND		1.6	ND		1.6	ND		8.0	ND		1.6	ND		1.6	ND		1.6
	6/1/2026	MW-28C	ND		1.7	ND		1.7	ND		8.7	ND		1.7	ND		1.7	ND		8.7	ND		1.7	ND		1.7	ND		1.7
	6/5/2026	MW-30CR	ND		1.8	ND		1.8	ND		9.0	7.0		1.8	ND		1.8	ND		9.0	ND		1.8	ND		1.8	ND		1.8
	5/27/2026	MW-32	ND		1.5	ND		1.5	ND		7.3	ND		1.5	ND		1.5	ND		7.3	ND		1.5	ND		1.5	ND		1.5
	5/26/2026	MW-33	ND		1.5	ND		1.5	ND		7.7	ND		1.5	ND		1.5	ND		7.7	1.9		1.5	ND		1.5	ND		1.5
	5/26/2026	MW-35	ND		1.6	ND		1.6	ND		8.1	ND		1.6	ND		1.6	ND		8.1	ND		1.6	ND		1.6	ND		1.6
	6/4/2026	MW-36	ND		2.0	ND		2.0	ND		9.9	ND		2.0	ND		2.0	ND		9.9	ND		2.0	ND		2.0	ND		2.0
	5/29/2026	MW-37	ND		1.6	ND		1.6	ND		8.0	ND		1.6	0.74	J	1.6	ND		8.0	ND		1.6	ND		1.6	0.56	J	1.6
	5/29/2026	MW-38	ND		1.7	ND		1.7	ND		8.4	ND		1.7	ND		1.7	ND		8.4	ND		1.7	ND		1.7	ND		1.7
	5/29/2026	MW-40	ND		1.6	ND		1.6	ND		8.1	ND		1.6	ND		1.6	ND		8.1	ND		1.6	ND		1.6	ND		1.6
	5/29/2026	MW-42	ND		1.7	ND		1.7	ND		8.4	ND		1.7	ND		1.7	ND		8.4	ND		1.7	ND		1.7	ND		1.7
	6/2/2026	MW-43A	ND		1.7	ND	B	1.7	ND	B	8.7	ND		1.7	ND	B	1.7	ND		8.7	ND		1.7	ND		1.7	ND		1.7
	6/2/2026	MW-43B	ND		1.7	ND	B	1.7	ND	B	8.4	ND		1.7	ND	B	1.7	ND		8.4	ND		1.7	ND		1.7	ND		1.7
	6/2/2026	MW-43C	ND		1.8	ND	B	1.8	ND	B	8.8	ND		1.8	ND	B	1.8	ND		8.8	ND		1.8	ND		1.8	ND		1.8
	5/29/2026	MW-44A	ND		1.4	ND		1.4	ND		7.2	ND		1.4	ND		1.4	ND		7.2	ND		1.4	ND		1.4	ND		1.4
	5/29/2026	MW-44B	ND		1.6	ND		1.6	ND		8.1	ND		1.6	ND		1.6	ND		8.1	ND		1.6	ND		1.6	ND		1.6
	6/2/2026	MW-44C	ND		1.6	ND	B	1.6	ND	B	8.1	ND		1.6	ND	B	1.6	ND		8.1	ND		1.6	ND		1.6	ND		1.6
	5/29/2026	MW-45A	ND		1.6	ND		1.6	ND		8.1	ND		1.6	ND		1.6	ND		8.1	ND		1.6	ND		1.6	ND		1.6
	5/29/2026	MW-45B	ND		1.5	ND		1.5	ND																				



Appendix Table 2B

Groundwater Analytical Data Summary
Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS)

Analyte			Perfluoro-3-methoxypropanoic acid (PFMPA)			Perfluoro-4-methoxybutanoic acid (PFMBA)			Perfluorobutanesulfonic acid (PFBS)			Perfluorobutanoic acid (PFBA)			Perfluorodecanesulfonic acid (PFDS)			Perfluorodecanoic acid (PFDA)			Perfluorododecanesulfonic acid (PFDoS)			Perfluorododecanoic acid (PFDoA)			Perfluoroheptanesulfonic acid (PFHpS)			
CAS #			377-73-1			863090-89-5			375-73-5			375-22-4			335-77-3			335-76-2			79780-39-5			307-55-1			375-92-8			
Units			(ng/L)			(ng/L)			(ng/L)			(ng/L)			(ng/L)			(ng/L)			(ng/L)			(ng/L)			(ng/L)			
DEP Groundwater SHS for a Used, Residential Aquifer			NS			NS			2,000			35,000			NS			NS			NS			NS			NS			
SamplingEvent	Sample Date	Sample ID	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	
Data Gap Investigation Groundwater Samples May 2026	6/4/2026	MW-1	ND		1.7	ND		1.7	1.2	J	1.7	3.6		3.4	ND		1.7	ND		1.7	ND		1.7	ND		1.7	ND		1.7	
	6/3/2026	MW-2	ND		1.8	ND		1.8	ND		1.8	3.1	J	3.5	ND		1.8	ND		1.8	ND		1.8	ND		1.8	ND		1.8	
	6/3/2026	MW-3	ND		1.7	ND		1.7	ND		1.7	6.5		3.5	ND		1.7	ND		1.7	ND		1.7	ND		1.7	ND		1.7	
	6/2/2026	MW-4	ND		1.7	ND		1.7	0.47	J	1.7	14		3.4	ND		1.7	ND		1.7	ND		1.7	ND		1.7	ND		1.7	
	6/2/2026	MW-5	ND		1.7	ND		1.7	ND		1.7	ND		3.3	ND		1.7	ND		1.7	ND		1.7	ND		1.7	ND		1.7	
	6/4/2026	MW-6	ND		1.8	ND		1.8	ND		1.8	22		3.7	ND		1.8	ND		1.8	ND		1.8	ND		1.8	ND		1.8	
	6/4/2026	MW-9	ND		1.8	ND		1.8	0.62	J	1.8	49		3.5	ND		1.8	ND		1.8	ND		1.8	ND		1.8	ND		1.8	
	6/3/2026	MW-11	ND		1.7	ND		1.7	0.69	J	1.7	30		3.5	ND		1.7	0.80	J	1.7	ND		1.7	ND		1.7	ND		1.7	
	6/5/2026	MW-13	ND		1.8	ND		1.8	2.4		1.8	3.5	J	3.7	ND		1.8	0.57	J	1.8	ND		1.8	ND		1.8	ND		1.8	
	6/1/2026	MW-14	ND		1.9	ND		1.9	1.7	J	1.9	12		3.9	ND		1.9	1.0	J	1.9	ND		1.9	ND		1.9	ND		1.9	
	6/1/2026	MW-15	ND		1.7	ND		1.7	0.82	J	1.7	48		3.5	ND		1.7	ND		1.7	ND		1.7	ND		1.7	ND		1.7	
	6/4/2026	MW-16	ND		1.9	ND		1.9	4.0		1.9	18		3.7	ND		1.9	ND		1.9	ND		1.9	ND		1.9	ND		1.9	
	6/3/2026	MW-18	ND		1.8	ND		1.8	0.72	J	1.8	33		3.6	ND		1.8	1.2	J	1.8	ND		1.8	0.67	J	1.8	ND		1.8	
	6/4/2026	MW-20R	ND		1.9	ND		1.9	0.85	J	1.9	120		3.7	ND		1.9	0.64	J	1.9	ND		1.9	ND		1.9	ND		1.9	
	6/4/2026	MW-21	ND		1.8	ND		1.8	ND		1.8	4.5		3.5	ND		1.8	ND		1.8	ND		1.8	ND		1.8	ND		1.8	
	6/2/2026	MW-22	ND		1.6	ND		1.6	ND		1.6	37		3.2	ND		1.6	0.49	J	1.6	ND		1.6	ND		1.6	ND		1.6	
	6/3/2026	MW-24	ND		1.7	ND		1.7	1.1	J	1.7	21		3.3	ND		1.7	ND		1.7	ND		1.7	ND		1.7	ND		1.7	
	6/3/2026	MW-25A	ND		1.7	ND		1.7	1.0	J	1.7	26		3.5	ND		1.7	0.84	J	1.7	ND		1.7	ND		1.7	ND		1.7	
	6/3/2026	MW-25B	ND		1.8	ND		1.8	0.50	J	1.8	67		3.5	ND		1.8	ND		1.8	ND		1.8	ND		1.8	ND		1.8	
	6/3/2026	MW-25C	ND		1.8	ND		1.8	0.71	J	1.8	10		3.5	ND		1.8	0.70	J	1.8	ND		1.8	ND		1.8	ND		1.8	
	6/3/2026	MW-26A	ND		1.8	ND		1.8	1.4	J	1.8	52		3.6	ND		1.8	3.0		1.8	ND		1.8	ND		1.8	ND		1.8	
	6/3/2026	MW-26B	ND		1.8	ND		1.8	1.0	J	1.8	16		3.6	ND		1.8	ND		1.8	ND		1.8	ND		1.8	ND		1.8	
	6/3/2026	Duplicate 5 (MW-26B)	ND		1.8	ND		1.8	0.98	J	1.8	16		3.7	ND		1.8	0.57	J	1.8	ND		1.8	ND		1.8	ND		1.8	
	6/3/2026	MW-26C	ND		1.9	ND		1.9	ND		1.9	40		3.8	ND		1.9	ND		1.9	ND		1.9	ND		1.9	ND		1.9	
	6/2/2026	MW-27C	ND		1.8	ND		1.8	ND		1.8	37		3.6	ND		1.8	0.82	J	1.8	ND		1.8	ND		1.8	ND		1.8	
	6/2/2026	MW-27B	ND		1.6	ND		1.6	1.2	J	1.6	44		3.3	ND		1.6	0.64	J	1.6	ND		1.6	ND		1.6	ND		1.6	
	6/2/2026	Duplicate 4 (MW-27B)	ND		1.8	ND		1.8	0.61	J	1.8	35		3.6	ND		1.8	ND		1.8	ND		1.8	ND		1.8	ND		1.8	
	6/2/2026	MW-27A	ND		1.6	ND		1.6	ND		1.6	50		3.3	ND		1.6	0.62	J	1.6	ND		1.6	ND		1.6	ND		1.6	
	6/1/2026	MW-28A	0.75	J		1.8	ND	1.8	2.2		1.8	63		3.6	ND		1.8	1.8		1.8	ND		1.8	ND		1.8	0.57	J	1.8	
	6/1/2026	Duplicate 3 (MW-28A)	0.95	J		1.7	ND	1.7	2.3		1.7	60		3.3	ND		1.7	1.8		1.7	ND		1.7	ND		1.7	0.44	J	1.7	
	6/1/2026	MW-28B	ND		1.6	ND		1.6	0.65	J	1.6	66		3.2	ND		1.6	0.74	J	1.6	ND		1.6	ND		1.6	ND		1.6	
	6/1/2026	MW-28C	ND		1.7	ND		1.7	0.46	J	1.7	120		3.5	ND		1.7	ND		1.7	ND		1.7	ND		1.7	ND		1.7	
	6/5/2026	MW-30CR	ND		1.8	ND		1.8	1.3	J	1.8	35		3.6	ND		1.8	1.2	J	1.8	ND		1.8	ND		1.8	ND		1.8	
	5/27/2026	MW-32	ND		1.5	ND		1.5	3.6		1.5	2.8	J	2.9	ND		1.5	0.62	J	1.5	ND		1.5	ND		1.5	ND		1.5	
	5/26/2026	MW-33	ND		1.5	ND		1.5	16		1.5	15		3.1	ND		1.5	0.66	J	1.5	ND		1.5	ND		1.5	5.4		1.5	
	5/26/2026	MW-35	ND		1.6	ND		1.6	3.2		1.6	14		3.2	ND		1.6	ND		1.6	ND		1.6	ND		1.6	ND		1.6	
	6/4/2026	MW-36	ND		2.0	ND		2.0	1.4	J	2.0	4.3		4.0	ND		2.0	2.7		2.0	ND		2.0	7.0		2.0	ND		2.0	
	5/29/2026	MW-37	0.84	J		1.6	0.82	J	1.6	2.5		1.6	8.7		3.2	0.58	J	1.6	2.0		1.6	ND		1.6	0.75	J	1.6	1.0	J	1.6
	5/29/2026	MW-38	ND		1.7	ND		1.7	1.0	J	1.7	7.4		3.4	ND		1.7	1.3	J	1.7	ND		1.7	ND		1.7	ND		1.7	
	5/29/2026	MW-40	ND		1.6	ND		1.6	2.0		1.6	12		3.2	ND		1.6	0.85	J	1.6	ND		1.6	ND		1.6	ND		1.6	
	5/29/2026	MW-42	ND		1.7	ND		1.7	2.7		1.7	21		3.4	ND		1.7	0.76	J	1.7	ND		1.7	ND		1.7	ND		1.7	
	6/2/2026	MW-43A	ND		1.7	ND		1.7	3.7		1.7	30		3.5	ND		1.7	0.65	J	1.7	ND		1.7	ND		1.7	ND		1.7	
	6/2/2026	MW-43B	ND		1.7	ND		1.7	3.4		1.7	35		3.4	ND		1.7	0.61	J	1.7	ND		1.7	ND		1.7	ND		1.7	
	6/2/2026	MW-43C	ND		1.8	ND		1.8	3.1		1.8	29		3.5	ND		1.8	1.1	J	1.8	ND		1.8	ND		1.8	ND		1.8	
	5/29/2026	MW-44A	ND		1.4	ND		1.4	3.0		1.4	32		2.9	ND		1.4	0.64	J	1.4	ND		1.4	ND		1.4	ND		1.4	
	5/29/2026	MW-44B	ND		1.6	ND		1.6	2.3		1.6	23		3.3	ND		1.6	1.1	J	1.6	ND		1.6	ND		1.6	ND		1.6	
	6/2/2026	MW-44C	ND		1.6	ND		1.6	2.5		1.6	34		3.3	ND		1.6	0.49	J	1.6	ND		1.6	ND		1.6	ND		1.6	
	5/29/2026	MW-45A	ND		1.6																									



Appendix Table 2B

Groundwater Analytical Data Summary
Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS)

Analyte			Perfluoroheptanoic acid (PFHpA)			Perfluorohexanesulfonic acid (PFHxS)			Perfluorohexanoic acid (PFHxA)			Perfluorononanesulfonic acid (PFNS)			Perfluorononanoic acid (PFNA)			Perfluorooctanesulfonamide (PFOSA)			Perfluorooctanesulfonic acid (PFOS)			Perfluorooctanoic acid (PFOA)			Perfluoropentanesulfonic acid (PFPeS)		
CAS #			375-85-9			355-46-4			307-24-4			68259-12-1			375-95-1			754-91-6			1763-23-1			335-67-1			2706-91-4		
Units			(ng/L)			(ng/L)			(ng/L)			(ng/L)			(ng/L)			(ng/L)			(ng/L)			(ng/L)			(ng/L)		
DEP Groundwater SHS for a Used, Residential Aquifer			NS			10			17,000			NS			10			NS			4			4			NS		
SamplingEvent	Sample Date	Sample ID	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL
Data Gap Investigation Groundwater Samples May 2026	6/4/2026	MW-1	2.2		1.7	1.8		1.7	3.7		1.7	ND		1.7	1.2	J	1.7	ND		1.7	2.1		1.7	6.2		1.7	ND		1.7
	6/3/2026	MW-2	2.7		1.8	ND		1.8	4.0		1.8	ND		1.8	ND		1.8	ND		1.8	ND		1.8	3.0		1.8	ND		1.8
	6/3/2026	MW-3	7.5		1.7	ND		1.7	11		1.7	ND		1.7	3.0		1.7	ND		1.7	ND		1.7	6.1		1.7	ND		1.7
	6/2/2026	MW-4	3.9		1.7	0.79	J	1.7	9.0		1.7	ND		1.7	2.2		1.7	ND		1.7	1.3	J	1.7	5.3		1.7	ND		1.7
	6/2/2026	MW-5	14		1.7	ND		1.7	23		1.7	ND		1.7	2.1		1.7	ND		1.7	ND		1.7	30		1.7	ND		1.7
	6/4/2026	MW-6	7.6		1.8	ND		1.8	14		1.8	ND		1.8	2.1		1.8	ND		1.8	ND		1.8	12		1.8	ND		1.8
	6/4/2026	MW-9	85		1.8	0.84	J	1.8	95		1.8	ND		1.8	24		1.8	ND		1.8	2.9		1.8	88		1.8	ND		1.8
	6/3/2026	MW-11	40		1.7	ND		1.7	50		1.7	ND		1.7	18		1.7	ND		1.7	3.0		1.7	35		1.7	ND		1.7
	6/5/2026	MW-13	2.6		1.8	0.78	J	1.8	3.1		1.8	ND		1.8	3.2		1.8	ND		1.8	1.7	J	1.8	3.9		1.8	ND		1.8
	6/1/2026	MW-14	8.6		1.9	1.7	J	1.9	9.5		1.9	ND		1.9	17		1.9	ND		1.9	29		1.9	17		1.9	ND		1.9
	6/1/2026	MW-15	75		1.7	1.0	J	1.7	86		1.7	ND		1.7	31		1.7	ND		1.7	4.2		1.7	65		1.7	ND		1.7
	6/4/2026	MW-16	19		1.9	0.87	J	1.9	27		1.9	ND		1.9	8.7		1.9	ND		1.9	3.0		1.9	23		1.9	ND		1.9
	6/3/2026	MW-18	45		1.8	ND		1.8	55		1.8	ND		1.8	15		1.8	ND		1.8	2.2		1.8	38		1.8	ND		1.8
	6/4/2026	MW-20R	190		1.9	1.3	J	1.9	250		1.9	ND		1.9	28		1.9	ND		1.9	3.2		1.9	170		1.9	ND		1.9
	6/4/2026	MW-21	2.6		1.8	0.72	J	1.8	11		1.8	ND		1.8	1.1	J	1.8	ND		1.8	ND		1.8	2.5		1.8	ND		1.8
	6/2/2026	MW-22	48		1.6	0.90	J	1.6	99		1.6	ND		1.6	14		1.6	ND		1.6	1.6		1.6	43		1.6	ND		1.6
	6/3/2026	MW-24	32		1.7	0.92	J	1.7	39		1.7	ND		1.7	38		1.7	ND		1.7	2.4		1.7	29		1.7	ND		1.7
	6/3/2026	MW-25A	27		1.7	ND		1.7	35		1.7	ND		1.7	11		1.7	ND		1.7	3.4		1.7	27		1.7	ND		1.7
	6/3/2026	MW-25B	84		1.8	3.8		1.8	160		1.8	ND		1.8	14		1.8	ND		1.8	2.2		1.8	70		1.8	ND		1.8
	6/3/2026	MW-25C	8.1		1.8	ND		1.8	9.9		1.8	ND		1.8	2.6		1.8	ND		1.8	1.8		1.8	8.0		1.8	ND		1.8
	6/3/2026	MW-26A	41		1.8	ND		1.8	49		1.8	ND		1.8	15		1.8	ND		1.8	5.1		1.8	41		1.8	ND		1.8
	6/3/2026	MW-26B	11		1.8	ND		1.8	13		1.8	ND		1.8	2.0		1.8	ND		1.8	1.6	J	1.8	8.7		1.8	ND		1.8
	6/3/2026	Duplicate 5 (MW-26B)	3.6		1.8	ND		1.8	6.3		1.8	ND		1.8	1.4	J	1.8	ND		1.8	1.9		1.8	4.1		1.8	ND		1.8
	6/3/2026	MW-26C	40		1.9	ND		1.9	70		1.9	ND		1.9	11		1.9	ND		1.9	ND		1.9	26		1.9	ND		1.9
	6/2/2026	MW-27C	50		1.8	ND		1.8	72		1.8	ND		1.8	18		1.8	ND		1.8	ND		1.8	35		1.8	ND		1.8
	6/2/2026	MW-27B	73		1.6	ND		1.6	85		1.6	ND		1.6	13		1.6	ND		1.6	1.3	J	1.6	51		1.6	ND		1.6
	6/2/2026	Duplicate 4 (MW-27B)	53		1.8	ND		1.8	71		1.8	ND		1.8	9.5		1.8	ND		1.8	ND		1.8	41		1.8	ND		1.8
	6/2/2026	MW-27A	68		1.6	ND		1.6	110		1.6	ND		1.6	17		1.6	ND		1.6	2.1		1.6	75		1.6	ND		1.6
	6/1/2026	MW-28A	78		1.8	2.8		1.8	110		1.8	ND		1.8	13		1.8	ND		1.8	24		1.8	73		1.8	0.99	J	1.8
	6/1/2026	Duplicate 3 (MW-28A)	58		1.7	2.2		1.7	96		1.7	ND		1.7	10		1.7	ND		1.7	16		1.7	59		1.7	0.60	J	1.7
	6/1/2026	MW-28B	130		1.6	0.89	J	1.6	140		1.6	ND		1.6	39		1.6	ND		1.6	3.0		1.6	120		1.6	ND		1.6
	6/1/2026	MW-28C	120		1.7	1.1	J	1.7	240		1.7	ND		1.7	18		1.7	ND		1.7	ND		1.7	84		1.7	ND		1.7
	6/5/2026	MW-30CR	31		1.8	3.4		1.8	64		1.8	ND		1.8	11		1.8	ND		1.8	9.5		1.8	42		1.8	0.52	J	1.8
	5/27/2026	MW-32	1.6		1.5	2.0		1.5	1.3	J	1.5	ND		1.5	1.9		1.5	ND		1.5	8.6		1.5	3.9		1.5	ND		1.5
	5/26/2026	MW-33	17		1.5	44		1.5	22		1.5	ND		1.5	8.2		1.5	5.3		1.5	660		1.5	51		1.5	10	1.5	
	5/26/2026	MW-35	12		1.6	2.1		1.6	19		1.6	ND		1.6	3.5		1.6	ND		1.6	5.5		1.6	14		1.6	ND		1.6
	6/4/2026	MW-36	2.0		2.0	ND		2.0	4.0		2.0	ND		2.0	ND		2.0	ND		2.0	12		2.0	4.7		2.0	ND		2.0
	5/29/2026	MW-37	4.9		1.6	2.6		1.6	6.0		1.6	0.55	J	1.6	8.9		1.6	0.94	J	1.6	12		1.6	13		1.6	0.98	J	1.6
	5/29/2026	MW-38	7.0		1.7	ND		1.7	7.1		1.7	ND		1.7	4.7		1.7	ND		1.7	4.3		1.7	9.2		1.7	ND		1.7
	5/29/2026	MW-40	11		1.6	2.1		1.6	21		1.6	ND		1.6	3.9		1.6	ND		1.6	6.5		1.6	15		1.6	ND		1.6
	5/29/2026	MW-42	22		1.7	2.2		1.7	30		1.7	ND		1.7	10		1.7	ND		1.7	8.8		1.7	24		1.7	ND		1.7
	6/2/2026	MW-43A	36		1.7	2.9		1.7	64		1.7	ND		1.7	6.3		1.7	ND		1.7	8.4		1.7	27		1.7	ND		1.7
	6/2/2026	MW-43B	35		1.7	3.7		1.7	75		1.7	ND		1.7	7.2		1.7	ND		1.7	7.3		1.7	32		1.7	0.48	J	1.7
	6/2/2026	MW-43C	33		1.8	2.4		1.8	59		1.8	ND		1.8	8.3		1.8	ND		1.8	9.4		1.8	31		1.8	ND		1.8
	5/29/2026	MW-44A	44		1.4	2.0		1.4	66		1.4	ND		1.4	12		1.4	ND		1.4	8.6		1.4	38		1.4	ND		1.4
	5/29/2026	MW-44B	28		1.6	1.7		1.6	40		1.6	ND		1.6	8.6		1.6	ND		1.6	7.7		1.6	27		1.6	ND		1.6
	6/2/2026																												



Appendix Table 2B

Groundwater Analytical Data Summary
Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS)

Analyte			Perfluoropentanoic acid (PFPeA)			Perfluorotetradecanoic acid (PFTeDA)			Perfluorotridecanoic acid (PFTrDA)			Perfluoroundecanoic acid (PFUnA)		
CAS #			2706-90-3			376-06-7			72629-94-8			2058-94-8		
Units			(ng/L)			(ng/L)			(ng/L)			(ng/L)		
DEP Groundwater SHS for a Used, Residential Aquifer			NS			NS			NS			NS		
SamplingEvent	Sample Date	Sample ID	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL
Data Gap Investigation Groundwater Samples May 2026	6/4/2026	MW-1	4.2		1.7	ND		1.7	ND		1.7	ND		1.7
	6/3/2026	MW-2	4.6		1.8	ND		1.8	ND		1.8	ND		1.8
	6/3/2026	MW-3	17		1.7	ND		1.7	ND		1.7	ND		1.7
	6/2/2026	MW-4	15		1.7	ND		1.7	ND		1.7	ND		1.7
	6/2/2026	MW-5	19		1.7	ND		1.7	ND		1.7	ND		1.7
	6/4/2026	MW-6	12		1.8	ND		1.8	ND		1.8	ND		1.8
	6/4/2026	MW-9	130		1.8	ND		1.8	ND		1.8	ND		1.8
	6/3/2026	MW-11	84		1.7	ND		1.7	ND		1.7	ND		1.7
	6/5/2026	MW-13	4.6		1.8	ND		1.8	ND		1.8	ND		1.8
	6/1/2026	MW-14	14		1.9	ND		1.9	ND		1.9	ND		1.9
	6/1/2026	MW-15	130		1.7	ND		1.7	ND		1.7	ND		1.7
	6/4/2026	MW-16	39		1.9	ND		1.9	ND		1.9	ND		1.9
	6/3/2026	MW-18	100		1.8	ND		1.8	ND		1.8	1.5	J	1.8
	6/4/2026	MW-20R	420		1.9	ND		1.9	ND		1.9	ND		1.9
	6/4/2026	MW-21	17		1.8	ND		1.8	ND		1.8	ND		1.8
	6/2/2026	MW-22	120		1.6	ND		1.6	ND		1.6	ND		1.6
	6/3/2026	MW-24	51		1.7	ND		1.7	ND		1.7	ND		1.7
	6/3/2026	MW-25A	57		1.7	ND		1.7	ND		1.7	ND		1.7
	6/3/2026	MW-25B	210		1.8	ND		1.8	ND		1.8	1.0	J	1.8
	6/3/2026	MW-25C	18		1.8	ND		1.8	ND		1.8	ND		1.8
	6/3/2026	MW-26A	64		1.8	ND		1.8	ND		1.8	1.1	J	1.8
	6/3/2026	MW-26B	19		1.8	ND		1.8	ND		1.8	ND		1.8
	6/3/2026	Duplicate 5 (MW-26B)	8.4		1.8	ND		1.8	ND		1.8	ND		1.8
	6/3/2026	MW-26C	120		1.9	ND		1.9	ND		1.9	2.2		1.9
	6/2/2026	MW-27C	140		1.8	ND		1.8	ND		1.8	6.1		1.8
	6/2/2026	MW-27B	140		1.6	ND		1.6	ND		1.6	1.4	J	1.6
	6/2/2026	Duplicate 4 (MW-27B)	120		1.8	ND		1.8	0.51	J	1.8	0.83	J	1.8
	6/2/2026	MW-27A	180		1.6	ND		1.6	ND		1.6	0.94	J	1.6
	6/1/2026	MW-28A	160		1.8	ND		1.8	ND		1.8	ND		1.8
	6/1/2026	Duplicate 3 (MW-28A)	140		1.7	ND		1.7	ND		1.7	ND		1.7
	6/1/2026	MW-28B	180		1.6	ND		1.6	ND		1.6	ND		1.6
	6/1/2026	MW-28C	370		1.7	ND		1.7	ND		1.7	1.0	J	1.7
	6/5/2026	MW-30CR	98		1.8	ND		1.8	ND		1.8	0.60	J	1.8
	5/27/2026	MW-32	ND		1.5	ND		1.5	ND		1.5	ND		1.5
	5/26/2026	MW-33	32		1.5	ND		1.5	ND		1.5	ND		1.5
	5/26/2026	MW-35	27		1.6	ND		1.6	ND		1.6	ND		1.6
	6/4/2026	MW-36	5.2		2.0	ND		2.0	3.1		2.0	6.8		2.0
	5/29/2026	MW-37	6.1		1.6	0.72	J	1.6	0.59	J	1.6	ND		1.6
	5/29/2026	MW-38	8.5		1.7	ND		1.7	ND		1.7	ND		1.7
	5/29/2026	MW-40	27		1.6	ND		1.6	ND		1.6	ND		1.6
	5/29/2026	MW-42	49		1.7	ND		1.7	ND		1.7	ND		1.7
	6/2/2026	MW-43A	89		1.7	ND		1.7	ND		1.7	ND		1.7
	6/2/2026	MW-43B	130		1.7	ND		1.7	ND		1.7	ND		1.7
	6/2/2026	MW-43C	94		1.8	ND		1.8	ND		1.8	ND		1.8
	5/29/2026	MW-44A	93		1.4	ND		1.4	ND		1.4	ND		1.4
	5/29/2026	MW-44B	59		1.6	ND		1.6	ND		1.6	ND		1.6
	6/2/2026	MW-44C	69		1.6	ND		1.6	ND		1.6	ND		1.6
	5/29/2026	MW-45A	100		1.6	ND		1.6	ND		1.6	ND		1.6
	5/29/2026	MW-45B	3.7		1.5	ND		1.5	ND		1.5	ND		1.5
	5/29/2026	MW-45C	35		1.6	ND		1.6	ND		1.6	ND		1.6
	6/2/2026	MW-46	3.1		2.0	ND		2.0	ND		2.0	ND		2.0
	6/2/2026	MW-47	70		1.8	ND		1.8	ND		1.8	ND		1.8
	6/1/2026	MW-49A	ND		1.6	ND		1.6	ND		1.6	ND		1.6
	6/1/2026	MW-49B	1.9		1.6	ND		1.6	ND		1.6	ND		1.6
	6/1/2026	MW-50A	8.4		1.5	ND		1.5	ND		1.5	ND		1.5
	6/1/2026	MW-50B	11		1.4	ND		1.4	ND		1.4	ND		1.4
	6/1/2026	MW-51A	120		1.7	ND		1.7	ND		1.7	ND		1.7
	6/1/2026	MW-51B	4.0		1.6	ND		1.6	ND		1.6	ND		1.6
	6/1/2026	MW-52	130		1.6	ND		1.6	ND		1.6	ND		1.6
	6/2/2026	MW-53A	60		1.6	ND		1.6	ND		1.6	ND		1.6
	6/2/2026	MW-53B	28		1.7	ND		1.7	ND		1.7	ND		1.7
	6/2/2026	MW-54	3.7		1.5	ND		1.5	ND		1.5	ND		1.5
	6/2/2026	MW-56	36		1.6	ND		1.6	ND		1.6	ND		1.6
	5/28/2026	MW-57A	3.6		1.6	ND		1.6	ND		1.6	ND		1.6
	5/28/2026	MW-57B	4.7		1.6	ND		1.6	ND		1.6	ND		1.6
	5/28/2026	MW-57C	5.2		1.7	ND		1.7	ND		1.7	ND		1.7
	5/27/2026	MW-58A	4.4		1.6	ND		1.6	ND		1.6	ND		1.6
	5/27/2026	MW-58B	9.3		1.5	ND		1.5	ND		1.5	ND		1.5
	5/27/2026	MW-58C	36		1.6	ND		1.6	ND		1.6	ND		1.6
	6/1/2026	MW-60	4.0		1.6	ND		1.6	ND		1.6	ND		1.6
	6/3/2026	MW-61	60		1.4	ND		1.4	ND		1.4	ND		1.4
	6/2/2026	MW-62	37		1.8	ND		1.8	ND		1.8	ND		1.8
	6/2/2026	MW-63	78		1.8	ND		1.8	ND		1.8	ND		1.8
	5/28/2026	MW-64	170		2.2	ND		2.2	ND		2.2	ND		2.2
	6/2/2026	MW-65	180		1.9	ND		1.9	ND		1.9	ND		1.9
	5/29/2026	MW-67	510		1.7	ND		1.7	ND		1.7	0.52	J	1.7
	5/29/2026	Duplicate # 2 (MW-67)	530		1.7	ND		1.7	ND		1.7	ND		1.7
	6/4/2026	MW-68	190		1.7	ND		1.7	ND		1.7	ND		1.7
	6/4/2026	MW-69	260		1.9	ND		1.9	ND		1.9	ND		1.9
	6/4/2026	MW-70	320		1.8	ND		1.8	ND		1.8	ND		1.8
	6/4/2026	MW-71	170		1.9	ND		1.9	ND		1.9	ND		1.9
	6/3/2026	MW-72	340		1.9	ND		1.9	ND		1.9	0.62	J	1.9
	6/3/2026	MW-73	450		1.9	ND		1.9	ND		1.9	ND		1.9
	5/29/2026	MW-74	220		1.5	ND		1.5	ND		1.5	ND		1.5
	6/2/2026	MW-75A	13		1.6	ND		1.6	ND		1.6	ND		1.6
	6/2/2026	MW-75B	30		1.7	ND		1.7	ND		1.7	ND		1.7
	5/28/2026	MW-76	200	H	1.6	ND	H	1.6	ND	H	1.6	ND	H	1.6
	5/28/2026	MW-77	150		1.8	ND		1.8	ND		1.8	ND		1.8
	5/28/2026	MW-78A	280		1.6	ND		1.6	ND		1.6	ND		1.6
	5/28/2026	MW-78B	290		1.7	ND		1.7	ND		1.7	0.74	J	1.7
	5/28/2026	MW-78C	98		1.6	ND		1.6	ND		1.6	0.63	J	1.6
	6/1/2026	MW-79A	74		1.5	ND		1.5	ND		1.5	ND		1.5
	6/1/2026	MW-79B	35		1.6	ND		1.6	ND		1.6	2.4		1.6
	5/27/2026	MW-80A	7.7		1.7	ND		1.7	ND		1.7	0.51	J	1.7
	5/27/2026	MW-80B	6.1		1.6	ND		1.6	ND		1.6	ND		1.6
	5/27/2026	MW-80C	15		1.6	ND		1.6	ND		1.6	ND		1.6
	6/1/2026	MW-81	20		1.8	ND		1.8	ND		1.8	ND		1.8
	6/1/2026	MW-82A	30		1.6	ND		1.6	ND		1.6	ND		1.6
	6/1/2026	MW-82B	25		1.6	ND		1.6	ND		1.6	ND		1.6
	5/27/2026	MW-83	8.7		1.6	ND		1.6	ND		1.6	ND		1.6
	5/27/2026	MW-84A	4.2		1.6	ND		1.6	ND		1.6	ND		1.6
	5/27/2026	Duplicate 1 (MW-84A)	3.8		1.6	ND		1.6	ND		1.6	ND		1.6
	5/27/2026	MW-84B	7.1		1.9	ND		1.9	ND		1.9	ND		1.9
	6/5/2026	MW-85A	170		1.8	ND		1.8	ND		1.8	ND		1.8
6/5/2026	Duplicate 6 (MW-85A)	190		1.7	ND		1.7	ND		1.7	ND		1.7	
6/5/2026	MW-85B	55		1.8	ND		1.8	ND		1.8	ND		1.8	
6/5/2026	PZ-1	64		2.5	ND		2.5	ND		2.5	ND		2.5	
5/26/2026	PZ-5	55		1.6	ND		1.6	ND		1.6	ND		1.6	
6/5/2026	PZ-6	150		1.8	ND		1.8	ND		1.8	ND		1.8	
6/5/2026	PZ-7	45		1.8	ND									



Appendix Table 2C
Groundwater Analytical Data Summary
Inorganic Compounds

Analyte			Chromium (Total)			Chromium VI			Fluoride			Manganese			Nickel		
CAS #			7440-47-3			18540-29-9			16984-48-8			7439-95-4			7440-02-0		
Units			(mg/L)			(mg/L)			(mg/L)			(mg/L)			(mg/L)		
DEP Groundwater SHS for a Used, Residential Aquifer			0.1			NS			4			0.3			0.1		
Sampling Event	Sample Date	Sample ID	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL
Data Gap Investigation - Groundwater Samples - May 2026	6/4/2026	MW-1	ND		0.0021	ND		0.010	ND		0.20	ND		0.0021	0.0014		0.0010
	6/3/2026	MW-2	ND		0.0021	ND		0.010	ND		0.20	ND		0.0021	ND		0.0010
	6/3/2026	MW-3	ND		0.0021	ND		0.010	ND		0.20	0.0020	J	0.0021	0.00057	J	0.0010
	6/4/2026	MW-4	0.0015	J	0.0021	ND		0.010	4.4		1.0	0.52		0.0021	0.012		0.0010
	6/2/2026	MW-5	0.00073	J	0.0021	ND		0.010	5.8		2.0	0.23		0.0021	0.019		0.0010
	6/4/2026	MW-6	0.00074	J	0.0021	ND		0.010	0.65		0.20	0.49		0.0021	0.0045		0.0010
	6/4/2026	MW-9	ND		0.0021	ND		0.010	2.1		0.20	0.34		0.0021	0.0059		0.0010
	6/3/2026	MW-11	ND		0.0021	ND		0.010	0.14	J	0.20	0.0069		0.0021	0.0032		0.0010
	6/5/2026	MW-13	ND		0.0021	ND		0.010	ND		0.20	ND		0.0021	0.0035		0.0010
	6/1/2026	MW-14	ND		0.0021	ND		0.010	ND		0.20	0.0015	J	0.0021	0.00043	J	0.0010
	6/1/2026	MW-15	ND		0.0021	ND		0.010	0.17	J	0.20	1.5		0.0021	0.0015		0.0010
	6/4/2026	MW-16	ND		0.0021	ND		0.010	ND		0.20	ND		0.0021	ND		0.0010
	6/3/2026	MW-18	ND		0.0021	ND		0.010	0.50		0.20	0.0013	J	0.0021	0.00053	J	0.0010
	6/4/2026	MW-20R	0.0058		0.0021	ND		0.010	0.18	J	0.20	ND		0.0021	ND		0.0010
	6/4/2026	MW-21	ND		0.0021	ND		0.010	23		2.0	0.11		0.0021	0.073		0.0010
	6/2/2026	MW-22	0.088		0.0021	0.26		0.010	13		2.0	0.24		0.0021	0.20		0.0010
	6/3/2026	MW-24	ND		0.0021	ND		0.010	ND		0.20	0.0017	J	0.0021	ND		0.0010
	6/3/2026	MW-25A	0.00078	J	0.0021	ND		0.010	0.25		0.20	0.025		0.0021	0.0029		0.0010
	6/3/2026	MW-25B	0.00078	J	0.0021	ND		0.010	0.26		0.20	0.080		0.0021	0.0042		0.0010
	6/3/2026	MW-25C	0.0011	J	0.0021	ND		0.010	0.18	J	0.20	0.0025		0.0021	0.0018		0.0010
	6/3/2026	MW-26A	0.0011	J	0.0021	ND		0.010	0.55		0.20	0.46		0.0021	0.0035		0.0010
	6/3/2026	MW-26B	ND		0.0021	ND		0.010	0.61		0.20	0.018		0.0021	0.0071		0.0010
	6/3/2026	Duplicate 5 (MW-26B)	ND		0.0021	ND		0.010	0.61		0.20	0.012		0.0021	0.0059		0.0010
	6/3/2026	MW-26C	ND		0.0021	ND		0.010	2.4		2.0	0.057		0.0021	0.0046		0.0010
	6/2/2026	MW-27C	0.0024		0.0021	ND		0.010	6.5		2.0	0.088		0.0021	0.0047		0.0010
	6/2/2026	MW-27B	ND		0.0021	ND		0.010	5.0		2.0	0.049		0.0021	0.014		0.0010
	6/2/2026	Duplicate 4 (MW-27B)	ND		0.0021	ND		0.010	4.3		2.0	0.11		0.0021	0.018		0.0010
	6/2/2026	MW-27A	0.0025		0.0021	ND		0.010	12		2.0	0.023		0.0021	0.029		0.0010
	6/1/2026	MW-28A	ND		0.0021	ND		0.010	0.32		0.20	0.097		0.0021	0.0013		0.0010
	6/1/2026	Duplicate 3 (MW-28A)	ND		0.0021	ND		0.010	0.31		0.20	0.10		0.0021	0.0016		0.0010
	6/1/2026	MW-28B	ND		0.0021	ND		0.010	ND		0.20	1.3		0.0021	0.0032		0.0010
	6/1/2026	MW-28C	0.0021		0.0021	ND		0.010	0.53		0.20	0.021		0.0021	0.0013		0.0010
	6/4/2026	MW-36	0.0056		0.0021	ND		0.010	0.13	J	0.20	0.10		0.0021	0.051		0.0010
	6/1/2026	MW-51A	ND		0.0021	ND		0.010	0.54		0.20	0.18		0.0021	0.0011		0.0010
	6/1/2026	MW-51B	ND		0.0021	ND		0.010	0.40		0.20	0.0041		0.0021	ND		0.0010
	6/1/2026	MW-52	0.013		0.0021	0.012		0.010	5.1		2.0	0.0031		0.0021	0.00057	J	0.0010
	5/28/2026	MW-57A	0.00093	J	0.0021	ND		0.010	ND		0.20	0.0093		0.0021	0.0011		0.0010
	5/28/2026	MW-57B	ND		0.0021	ND		0.010	0.51		0.20	0.0027		0.0021	0.00076	J	0.0010
	5/28/2026	MW-57C	ND		0.0021	ND		0.010	0.87		0.20	0.0057		0.0021	0.0012		0.0010
	5/28/2026	MW-64	ND		0.0021	ND		0.010	ND		0.20	4.5		0.0021	0.0013		0.0010
	6/2/2026	MW-65	0.10		0.0021	0.15		0.010	8.4		2.0	0.11		0.0021	0.015		0.0010
	5/29/2026	MW-67	ND		0.0021	ND		0.010	0.34		0.20	1.2		0.0021	0.053		0.0010
	5/29/2026	Duplicate # 2 (MW-67)	ND		0.0021	ND		0.010	0.35		0.20	7.9		0.021	0.014		0.0010
	6/4/2026	MW-68	ND		0.0021	ND		0.010	ND		0.20	2.4		0.0021	0.0055		0.0010
	6/4/2026	MW-69	ND		0.0021	ND		0.010	0.17	J	0.20	2.2		0.0021	0.021		0.0010
	6/4/2026	MW-70	ND		0.0021	ND		0.010	0.13	J	0.20	7.4		0.021	0.0099		0.0010
	6/4/2026	MW-71	0.0017	J	0.0021	ND		0.010	0.12	J	0.20	0.097		0.0021	0.0013		0.0010
	6/3/2026	MW-72	0.0012	J	0.0021	ND		0.010	0.21		0.20	3.7		0.0021	0.0052		0.0010
	6/3/2026	MW-73	ND		0.0021	ND		0.010	ND		0.20	1.8		0.0021	0.0020		0.0010
	5/29/2026	MW-74	ND		0.0021	ND		0.010	ND		0.20	4.9		0.0021	0.0029		0.0010
	6/2/2026	MW-75A	ND		0.0021	ND		0.010	0.39		0.20	0.042		0.0021	ND		0.0010
	6/2/2026	MW-75B	ND		0.0021	ND		0.010	0.38		0.20	0.0010	J	0.0021	0.0018		0.0010
	5/28/2026	MW-76	ND		0.0021	ND		0.010	0.10	J	0.20	1.6		0.0021	0.0022		0.0010
	5/28/2026	MW-77	ND		0.0021	ND		0.010	0.12	J	0.20	ND		0.0021	0.0016		0.0010
	5/28/2026	MW-78A	ND		0.0021	ND		0.010	0.12	J	0.20	0.87		0.0021	0.0010		0.0010
	5/28/2026	MW-78B	ND		0.0021	ND		0.010	0.19	J	0.20	0.15		0.0021	0.00075	J	0.0010
	5/28/2026	MW-78C	ND		0.0021	ND		0.010	ND		0.20	0.019		0.0021	0.00071	J	0.0010
	6/1/2026	MW-79A	ND		0.0021	ND		0.010	0.83		0.20	0.13		0.0021	0.00066	J	0.0010
	6/1/2026	MW-79B	ND		0.0021	ND		0.010	3.5		2.0	0.0058		0.0021	0.0022		0.0010
	6/5/2026	MW-85A	0.093		0.0021	0.097		0.010	4.4		2.0	ND		0.0021	0.00047	J	0.0010
	6/5/2026	Duplicate 6 (MW-85A)	0.093		0.0021	0.090		0.010	4.4		2.0	0.0020	J	0.0021	0.00072	J	0.0010
	6/5/2026	MW-85B	0.15		0.0021	0.15		0.010	3.2		2.0	ND		0.0021	0.0022		0.0010
	6/4/2026	SMP-1	0.0026		0.0021	ND		0.010	3.0		1.0	0.044		0.0021	0.0030		0.0010
	6/4/2026	SMP-2R	0.0022		0.0021	ND		0.010	7.5		1.0	0.20		0.0021	0.0088		0.0010
	6/4/2026	SMP-3	0.31		0.0021	0.34		0.10	16		2.0	0.025		0.0021	0.054		0.0010
	6/4/2026	SMP-4	0.68		0.0021	0.76		0.10	17		2.0	0.028		0.0021	0.84		0.0010
	6/4/2026	SMP-5	0.22		0.0021	0.23		0.010	3.4		1.0	ND		0.0021	0.078		0.0010
Field Blanks	5/28/2026	Field Blank #1	ND		0.0021	ND		0.010	ND		0.20	ND		0.0021	ND		0.0010
	6/1/2026	Field Blank	ND		0.0021	ND		0.010	ND		0.20	ND		0.0021	ND		0.0010
	6/2/2026	Field Blank 3	ND		0.0021	ND		0.010	ND		0.20	ND		0.0021	ND		0.0010
	6/3/2026	Field Blank 4	ND		0.0021	ND		0.010	ND		0.20	ND		0.0021	ND		0.0010
	6/3/2026	Field Blank 5	ND		0.0021	ND		0.010	ND		0.20	ND		0.0021	ND		0.0010
	6/5/2026	Field Blank 6	ND		0.0021	ND		0.010	ND		0.20	0.0013	J	0.0021	ND		0.0010

Notes:
DEP: Pennsylvania Department of Environmental Protection
SHS: Statewide Health Standard
mg/L: milligrams per liter
RL: Reporting Limit
ND: Indicates analysis was performed for the test but it was not detected. The sample reproting limit is reported.
J: Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value
Indicates laboratory method detection limits exceed the applicable DEP Act 2 Standard.
Indicates concentrations exceed the applicable DEP Act 2 Standard.
Bolded results indicate a detection
DEP Act 2 Standards were converted to mg/L from µg/L due to laboratory reporting all data in mg/L
Table 2c and Appendix Table 2c report the same analytes, and have been included in both locations for consistency.

Appendix Table 3a: Surface Water Analytical Data Summary
Volatile Organic Compounds

Analyte		1,1-Dichloroethane (1,1-DCA)			1,1-Dichloroethene (1,1-Dichloroethylene, 1,1-DCE)			1,1,1-Trichloroethane (1,1,1-TCA)			1,1,2-Trichloroethane (1,1,2-TCA)			1,1,2,2-Tetrachloroethane			1,2-Dibromo-3-chloropropane (DBCP)			1,2-Dibromoethane (Ethylene Dibromide, EDB)			1,2-Dichlorobenzene			1,2-Dichloroethane (1,2-DCA)			1,2-Dichloropropane			1,2,4-Trichlorobenzene			1,3-Dichlorobenzene		
CAS #		75-34-3			75-35-4			71-55-6			79-00-5			79-34-5			96-12-8			106-93-4			95-50-1			107-06-2			78-87-5			120-82-1			541-73-1		
Units		(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)		
DEP Chapter 93, Table 5: Surface Water Quality - Fish and Aquatic Life Criteria, Continuous Concentrations		NS			1,500			610			680			210			NS			NS			160			3,100			2,200			26			69		
DEP Chapter 93, Table 5: Surface Water Quality - Fish and Aquatic Life Criteria, Maximum Concentrations		NS			7,500			3,000			3,400			1,000			NS			NS			820			15,000			11,000			130			350		
DEP Chapter 93, Table 5: Surface Water Quality - Human Health Criteria		NS			33			10,000			0.55			0.2			NS			NS			1,000			9.9			0.90			0.07			7		
DEP Groundwater SHS for a Used, Residential Aquifer		31			7			200			5			0.84			0.2			0.05			600			5			5			70			600		
EPA Region III Freshwater Screening Benchmarks ¹		47			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Sample Date	Sample ID	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL
6/8/2026	SW-1	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		5.0	ND		5.0
6/8/2026	SW-3	ND		1.0	ND		1.0	2.3		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	0.54	J	5.0	ND		5.0
6/8/2026	SW-4	ND		1.0	ND		1.0	1.7		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		5.0	ND		5.0
6/8/2026	SW-5	ND		1.0	ND		1.0	2.4		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		5.0	ND		5.0
6/8/2026	Duplicate SW (SW-5)	ND		1.0	ND		1.0	2.2		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		5.0	ND		5.0
6/8/2026	SW-6	0.48	J	1.0	ND		1.0	1.9		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		5.0	ND		5.0
6/8/2026	SW-7	ND		1.0	ND		1.0	1.6		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		5.0	ND		5.0
6/8/2026	SW-8	ND		1.0	ND		1.0	0.82	J	1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		5.0	ND		5.0
6/8/2026	SW-9	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		5.0	ND		5.0
6/8/2026	SW-10	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		5.0	ND		5.0
6/8/2026	Field Blank SW	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		5.0	ND		5.0
6/4/2026	TB060826	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		5.0	ND		5.0

Notes:

1. EPA Region III Freshwater Screening Benchmarks are only presented for select compounds where applicable DEP surface water criteria are not available for comparison.

2. Concentrations shown are a summation of the cis-1,3-Dichloropropene and trans-1,3-Dichloropropene results for each sample, as DEP Chapter 93 SW Standards are not available for those isomers.

DEP: Pennsylvania Department of Environmental Protection

SHS: Statewide Health Standard

µg/L: micrograms per liter

NA: Not applicable

NS: No standard

RL: Reporting Limit

ND: Indicates analysis was performed for the test but it was not detected. The sample reporting limit is reported.

J: Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value

Applicable DEP Surface Water Standard

Relevant EPA Surface Water Standard

Indicates laboratory reporting limits exceed the applicable DEP Standard.

Indicates concentrations exceed the applicable DEP Standard.

Bolded results indicates a concentration was detected

Appendix Table 3a: Surface Water Analytical Data Summary
Volatile Organic Compounds

Analyte		1,3-Dichloropropene ²			1,4-Dichlorobenzene (p-Dichlorobenzene)			2-Butanone (Methyl ethyl ketone, MEK)			2-Hexanone (Methyl n-butyl ketone)			4-Methyl-2-Pentanone (Methyl isobutyl ketone, MIBK)			Acetone			Benzene			Bromodichloromethane (Dichlorobromomethane)			Bromoform (Tribromomethane)			Bromomethane (methyl bromide)			Carbon disulfide			Carbon tetrachloride		
CAS #		542-75-6			106-46-7			78-93-3			591-78-6			108-10-1			67-64-1			71-43-2			75-27-4			75-25-2			74-83-9			75-15-0			56-23-5		
Units		(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)		
DEP Chapter 93, Table 5: Surface Water Quality - Fish and Aquatic Life Criteria, Continuous Concentrations		61			150			32,000			4,300			5,000			86,000			130			NS			370			110			NS			560		
DEP Chapter 93, Table 5: Surface Water Quality - Fish and Aquatic Life Criteria, Maximum Concentrations		310			730			230,000			21,000			26,000			450,000			640			NS			1,800			550			NS			2,800		
DEP Chapter 93, Table 5: Surface Water Quality - Human Health Criteria		0.27			300			21,000			NS			NS			6,000			0.58			0.95			7			100			NS			0.4		
DEP Groundwater SHS for a Used, Residential Aquifer		6.5			75			4,000			63			2,800			31,000			5			80			80			10			1,500			5		
EPA Region III Freshwater Screening Benchmarks ²		0.055			NA			NA			NA			NA			NA			NA			NA			NA			NA			0.92			NA		
Sample Date	Sample ID	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL
6/8/2026	SW-1	ND		1.0	ND		5.0	ND		10	ND		10	ND		10	1.9	J	20	ND		1.0	ND		1.0	ND		4.0	ND		1.0	ND		5.0	ND		1.0
6/8/2026	SW-3	ND		1.0	ND		5.0	ND		10	ND		10	ND		10	ND		20	ND		1.0	ND		1.0	ND		4.0	ND		1.0	ND		5.0	ND		1.0
6/8/2026	SW-4	ND		1.0	ND		5.0	ND		10	ND		10	ND		10	1.2	J	20	ND		1.0	ND		1.0	ND		4.0	ND		1.0	ND		5.0	ND		1.0
6/8/2026	SW-5	ND		1.0	ND		5.0	ND		10	ND		10	ND		10	ND		20	ND		1.0	ND		1.0	ND		4.0	ND		1.0	ND		5.0	ND		1.0
6/8/2026	Duplicate SW (SW-5)	ND		1.0	ND		5.0	ND		10	ND		10	ND		10	3.4	J	20	ND		1.0	ND		1.0	ND		4.0	ND		1.0	ND		5.0	ND		1.0
6/8/2026	SW-6	ND		1.0	ND		5.0	ND		10	ND		10	ND		10	ND		20	ND		1.0	ND		1.0	ND		4.0	ND		1.0	ND		5.0	ND		1.0
6/8/2026	SW-7	ND		1.0	ND		5.0	ND		10	ND		10	ND		10	ND		20	ND		1.0	ND		1.0	ND		4.0	ND		1.0	ND		5.0	ND		1.0
6/8/2026	SW-8	ND		1.0	ND		5.0	ND		10	ND		10	ND		10	ND		20	ND		1.0	ND		1.0	ND		4.0	ND		1.0	ND		5.0	ND		1.0
6/8/2026	SW-9	ND		1.0	ND		5.0	ND		10	ND		10	ND		10	3.1	J	20	ND		1.0	ND		1.0	ND		4.0	ND		1.0	ND		5.0	ND		1.0
6/8/2026	SW-10	ND		1.0	ND		5.0	ND		10	ND		10	ND		10	ND		20	ND		1.0	ND		1.0	ND		4.0	ND		1.0	ND		5.0	ND		1.0
6/8/2026	Field Blank SW	ND		1.0	ND		5.0	ND		10	ND		10	ND		10	7.3	J	20	ND		1.0	ND		1.0	ND		4.0	ND		1.0	ND		5.0	ND		1.0
6/4/2026	TB060826	ND		1.0	ND		5.0	ND		10	ND		10	ND		10	ND		20	ND		1.0	ND		1.0	ND		4.0	ND		1.0	ND		5.0	ND		1.0

Notes:
1. EPA Region III Freshwater Screening Benchmarks are only presented for select compounds where applicable DEP surface water criteria are not available for comparison.
2. Concentrations shown are a summation of the cis-1,3-Dichloropropene and trans-1,3-Dichloropropene results for each sample, as DEP Chapter 93 SW Standards are not available for those isomers.
DEP: Pennsylvania Department of Environmental Protection
SHS: Statewide Health Standard
µg/L: micrograms per liter
NA: Not applicable
NS: No standard
RL: Reporting Limit
ND: Indicates analysis was performed for the test but it was not detected. The sample reporting limit is reported.
J: Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value
Applicable DEP Surface Water Standard
Relevant EPA Surface Water Standard
Indicates laboratory reporting limits exceed the applicable DEP Standard.
Indicates concentrations exceed the applicable DEP Standard.
Bolded results indicates a concentration was detected

Appendix Table 3a: Surface Water Analytical Data Summary
Volatile Organic Compounds

Analyte		Chlorobenzene			Chloroethane			Chloroform			Chloromethane (Methyl Chloride)			cis-1,2-Dichloroethene (cis-1,2-Dichloroethylene, cis 1,2-DCE)			cis-1,3-Dichloropropene			Cyclohexane			Dibromochloromethane (Chlorodibromomethane)			Dichlorodifluoromethane (Freon 12)			Ethylbenzene			Freon 113 (1,1,2-Trichloro-1,2,2- Trifluoroethane)			Isopropylbenzene (Cumene)		
CAS #		108-90-7			75-00-3			67-66-3			74-87-3			156-59-2			10061-01-5			110-82-7			124-48-1			75-71-8			100-41-4			76-13-1			98-82-8		
Units		(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)		
DEP Chapter 93, Table 5: Surface Water Quality - Fish and Aquatic Life Criteria, Continuous Concentrations		240			NS			390			5,500			NS			NS			NS			NS			NS			580			NS			NS		
DEP Chapter 93, Table 5: Surface Water Quality - Fish and Aquatic Life Criteria, Maximum Concentrations		1,200			NS			1,900			28,000			NS			NS			NS			NS			NS			2,900			NS			NS		
DEP Chapter 93, Table 5: Surface Water Quality - Human Health Criteria		100			NS			60			NS			12			NS			NS			0.8			NS			68			NS			NS		
DEP Groundwater SHS for a Used, Residential Aquifer		100			21,000			80			30			70			NS			13,000			80			1,000			700			11,000			840		
EPA Region III Freshwater Screening Benchmarks ¹		NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Sample Date	Sample ID	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL
6/8/2026	SW-1	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		1.0	ND		10	ND		5.0
6/8/2026	SW-3	ND		1.0	ND		1.0	ND		1.0	ND		2.0	8.7		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		1.0	ND		10	ND		5.0
6/8/2026	SW-4	ND		1.0	ND		1.0	ND		1.0	ND		2.0	6.4		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		1.0	ND		10	ND		5.0
6/8/2026	SW-5	ND		1.0	ND		1.0	ND		1.0	ND		2.0	4.2		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		1.0	ND		10	ND		5.0
6/8/2026	Duplicate SW (SW-5)	ND		1.0	ND		1.0	ND		1.0	ND		2.0	3.9		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		1.0	ND		10	ND		5.0
6/8/2026	SW-6	ND		1.0	ND		1.0	ND		1.0	ND		2.0	5.2		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		1.0	ND		10	ND		5.0
6/8/2026	SW-7	ND		1.0	ND		1.0	ND		1.0	ND		2.0	4.4		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		1.0	ND		10	ND		5.0
6/8/2026	SW-8	ND		1.0	ND		1.0	ND		1.0	ND		2.0	2.6		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		1.0	ND		10	ND		5.0
6/8/2026	SW-9	ND		1.0	ND		1.0	ND		1.0	ND		2.0	1.5		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		1.0	ND		10	ND		5.0
6/8/2026	SW-10	ND		1.0	ND		1.0	ND		1.0	ND		2.0	0.45	J	1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		1.0	ND		10	ND		5.0
6/8/2026	Field Blank SW	ND		1.0	ND		1.0	1.3		1.0	ND		2.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		1.0	ND		10	ND		5.0
6/4/2026	TB060826	ND		1.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		1.0	ND		10	ND		5.0

Notes:
1. EPA Region III Freshwater Screening Benchmarks are only presented for select compounds where applicable DEP surface water criteria are not available for comparison.
2. Concentrations shown are a summation of the cis-1,3-Dichloropropene and trans-1,3-Dichloropropene results for each sample, as DEP Chapter 93 SW Standards are not available for those isomers.
DEP: Pennsylvania Department of Environmental Protection
SHS: Statewide Health Standard
µg/L: micrograms per liter
NA: Not applicable
NS: No standard
RL: Reporting Limit
ND: Indicates analysis was performed for the test but it was not detected. The sample reporting limit is reported.
J: Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value
Applicable DEP Surface Water Standard
Relevant EPA Surface Water Standard
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Indicates concentrations exceed the applicable DEP Standard.
Bolded results indicates a concentration was detected

Appendix Table 3a: Surface Water Analytical Data Summary
Volatile Organic Compounds

Analyte		Methyl acetate			Methyl tertiary butyl ether (MTBE)			Methylcyclohexane			Methylene Chloride (Dichloromethane)			Styrene			Tetrachloroethene (Tetrachloroethylene, PCE)			Toluene			trans-1,2-Dichloroethene (trans-1,2-Dichloroethylene, trans-1,2-DCE)			trans-1,3-Dichloropropene			Trichloroethene (Trichloroethylene, TCE)			Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)			Vinyl chloride (VC)			Xylenes, Total					
CAS #		79-20-9			1634-04-4			108-87-2			75-09-2			100-42-5			127-18-4			108-88-3			156-60-5			10061-02-6			79-01-6			75-69-4			75-01-4			1330-20-7					
Units		(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)			(µg/L)					
DEP Chapter 93, Table 5: Surface Water Quality - Fish and Aquatic Life Criteria, Continuous Concentrations		NS			NS			NS			2,400			NS			140			330			1,400			NS			450			NS			NS			210					
DEP Chapter 93, Table 5: Surface Water Quality - Fish and Aquatic Life Criteria, Maximum Concentrations		NS			NS			NS			12,000			NS			700			1,700			6,800			NS			2,300			NS			NS			1,100					
DEP Chapter 93, Table 5: Surface Water Quality - Human Health Criteria		NS			NS			NS			20			NS			10			57			100			NS			0.6			NS			0.02			1,000					
DEP Groundwater SHS for a Used, Residential Aquifer		35,000			20			NS			5			100			5			1,000			100			NS			5			2,000			2			10,000					
EPA Region III Freshwater Screening Benchmarks ¹		NA			11,070			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Sample Date	Sample ID	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL			
6/8/2026	SW-1	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0			
6/8/2026	SW-3	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0	6.4		1.0	ND		1.0	ND		1.0	ND		1.0			
6/8/2026	SW-4	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0	4.1		1.0	ND		1.0	ND		1.0	ND		1.0			
6/8/2026	SW-5	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0	2.9		1.0	ND		1.0	ND		1.0	ND		1.0			
6/8/2026	Duplicate SW (SW-5)	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0	2.8		1.0	ND		1.0	ND		1.0	ND		1.0			
6/8/2026	SW-6	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0	2.7		1.0	ND		1.0	ND		1.0	ND		1.0			
6/8/2026	SW-7	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0	1.9		1.0	ND		1.0	ND		1.0	ND		1.0			
6/8/2026	SW-8	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0	1.1		1.0	ND		1.0	ND		1.0	ND		1.0			
6/8/2026	SW-9	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0	0.59	J	1.0	ND		1.0	ND		1.0	ND		1.0			
6/8/2026	SW-10	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0			
6/8/2026	Field Blank SW	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0			
6/4/2026	TB060826	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		5.0	ND		1.0	ND		1.0	ND		2.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0	ND		1.0			

Notes:
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2. Concentrations shown are a summation of the cis-1,3-Dichloropropene and trans-1,3-Dichloropropene results for each sample, as DEP Chapter 93 SW Standards are not available for those isomers.
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Applicable DEP Surface Water Standard
Relevant EPA Surface Water Standard
Indicates laboratory reporting limits exceed the applicable DEP Standard.
Indicates concentrations exceed the applicable DEP Standard.
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Appendix Table 3b: Surface Water Analytical Data Summary
Per- and Polyfluoroalkyl Compounds

Analyte		11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)			1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)			1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)			1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)			3-Perfluoroheptylpropanoic acid (7:3 FTCA)			3-Perfluoropentylpropanoic acid (5:3 FTCA)			3-Perfluoropropylpropanoic acid (3:3 FTCA)			4,8-Dioxa-3H-perfluorononanoic acid (ADONA)			9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)			Hexafluoropropylene Oxide Dimer Acid (HFPO-DA; Gen-X)			N-ethylperfluorooctane sulfonamide (NETFOSA)		
CAS #		763051-92-9			39108-34-4			757124-72-4			27619-97-2			812-70-4			914637-49-3			356-02-5			919005-14-4			756426-58-1			13252-13-6			4151-50-2		
Units		(ng/L)			(ng/L)			(ng/L)			(ng/L)			(ng/L)			(ng/L)			(ng/L)			(ng/L)			(ng/L)			(ng/L)			(ng/L)		
National Recommended Freshwater Aquatic Life Water Quality Criteria - Acute Water Column (Criterion Maximum Concentration)*		NS			NS			NS			NS			NS			NS			NS			NS			NS			NS			NS		
National Recommended Freshwater Aquatic Life Water Quality Criteria - Chronic Water Column (Criterion Continuous Concentration)*		NS			NS			NS			NS			NS			NS			NS			NS			NS			NS			NS		
Acute Freshwater Aquatic Life Benchmarks (Maximum Concentration)*		NS			NS			NS			NS			12,000			NS			NS			NS			NS			NS			NS		
National Recommended Ambient Water Quality Criteria for the Protection of Human Health - Water + Organism HHC*		NS			NS			NS			NS			NS			NS			NS			NS			NS			NS			NS		
National Recommended Ambient Water Quality Criteria for the Protection of Human Health - Organism Only HHC*		NS			NS			NS			NS			NS			NS			NS			NS			NS			NS			NS		
DEP Groundwater SHS for a Used, Residential Aquifer		NS			NS			NS			NS			NS			NS			NS			NS			NS			10			NS		
Sample Date	Sample ID	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL
6/8/2026	SW-1	ND		1.5	ND		2.9	ND		2.9	ND		2.9	ND	B	7.3	ND		7.3	ND		2.9	ND		1.5	ND		1.5	ND		1.5	ND		1.5
6/8/2026	SW-3	ND		1.7	2.1	J	3.4	ND		3.4	21		3.4	ND	B	8.4	ND		8.4	ND		3.4	ND		1.7	ND		1.7	ND		1.7	ND		1.7
6/8/2026	SW-4	ND		1.4	ND		2.9	ND		2.9	22		2.9	ND	B	7.1	ND		7.1	ND		2.9	ND		1.4	ND		1.4	ND		1.4	ND		1.4
6/8/2026	SW-5	ND		1.4	1.2	J	2.9	ND		2.9	14		2.9	ND	B	7.2	ND		7.2	ND		2.9	ND		1.4	ND		1.4	ND		1.4	ND		1.4
6/8/2026	Duplicate SW (SW-5)	ND		1.4	ND		2.9	ND		2.9	13		2.9	ND	B	7.2	ND		7.2	ND		2.9	ND		1.4	ND		1.4	ND		1.4	ND		1.4
6/8/2026	SW-6	ND		1.5	ND		3.1	ND		3.1	9.3		3.1	ND	B	7.7	ND		7.7	ND		3.1	ND		1.5	ND		1.5	ND		1.5	ND		1.5
6/8/2026	SW-7	ND		1.7	1.2	J	3.4	ND		3.4	9.9		3.4	ND	B	8.4	ND		8.4	ND		3.4	ND		1.7	ND		1.7	ND		1.7	ND		1.7
6/8/2026	SW-8	ND		1.4	ND		2.9	ND		2.9	8.3		2.9	ND	B	7.2	ND		7.2	ND		2.9	ND		1.4	ND		1.4	ND		1.4	ND		1.4
6/8/2026	SW-9	ND		1.4	ND		2.9	ND		2.9	9.2		2.9	ND	B	7.1	ND		7.1	ND		2.9	ND		1.4	ND		1.4	ND		1.4	ND		1.4
6/8/2026	SW-10	ND		1.5	ND		3.0	ND		3.0	3.6		3.0	ND	B	7.4	ND		7.4	ND		3.0	ND		1.5	ND		1.5	ND		1.5	ND		1.5
6/8/2026	Field Blank SW	ND		1.6	ND		3.2	ND		3.2	0.91	J	3.2	ND	B	8.0	ND		8.0	ND		3.2	ND		1.6	ND		1.6	ND		1.6	ND		1.6

Notes:

*Criteria have not been adopted

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K+PFBS and HFPO-DA not analyzed under EPA 1633A. These analytes are only reported as acid/anion species in the instrumentation for these compounds.

Appendix Table 3b: Surface Water Analytical Data Summary
Per- and Polyfluoroalkyl Compounds

Analyte		N-ethylperfluorooctanesulfonami-doethanol (NEtFOSE)			N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)			N-methylperfluorooctane sulfonamide (NMeFOSA)			N-methylperfluorooctanesulfonamidoethanol (NMeFOSE)			N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)			Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)			Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)			Perfluoro-3-methoxypropanoic acid (PFMPA)			Perfluoro-4-methoxybutanoic acid (PFMBA)			Perfluorobutanesulfonic acid (PFBS)			Perfluorobutanoic acid (PFBA)		
CAS #		1691-99-2			2991-50-6			31506-32-8			24448-09-7			2395-31-9			151772-98-6			113507-82-7			377-73-1			863090-89-5			375-73-5			375-22-4		
Units		(ng/L)			(ng/L)			(ng/L)			(ng/L)			(ng/L)			(ng/L)			(ng/L)			(ng/L)			(ng/L)			(ng/L)			(ng/L)		
National Recommended Freshwater Aquatic Life Water Quality Criteria - Acute Water Column (Criterion Maximum Concentration)*		NS			NS			NS			NS			NS			NS			NS			NS			NS			NS			NS		
National Recommended Freshwater Aquatic Life Water Quality Criteria - Chronic Water Column (Criterion Continuous Concentration)*		NS			NS			NS			NS			NS			NS			NS			NS			NS			NS			NS		
Acute Freshwater Aquatic Life Benchmarks (Maximum Concentration)*		NS			NS			NS			NS			NS			NS			NS			NS			NS			5,000,000			5,300,000		
National Recommended Ambient Water Quality Criteria for the Protection of Human Health - Water + Organism HHC*		NS			NS			NS			NS			NS			NS			NS			NS			NS			400			NS		
National Recommended Ambient Water Quality Criteria for the Protection of Human Health - Organism Only HHC*		NS			NS			NS			NS			NS			NS			NS			NS			NS			500			NS		
DEP Groundwater SHS for a Used, Residential Aquifer		NS			NS			NS			NS			NS			NS			NS			NS			NS			2000			35000		
Sample Date	Sample ID	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL
6/8/2026	SW-1	ND		7.3	ND		1.5	ND		1.5	ND		7.3	ND		1.5	ND		1.5	ND		1.5	ND		1.5	ND		1.5	4.7		1.5	4.0		2.9
6/8/2026	SW-3	ND		8.4	ND		1.7	ND		1.7	ND		8.4	ND		1.7	ND		1.7	ND		1.7	ND		1.7	ND		1.7	3.4		1.7	12		3.4
6/8/2026	SW-4	ND		7.1	ND		1.4	ND		1.4	ND		7.1	ND		1.4	ND		1.4	ND		1.4	ND		1.4	ND		1.4	3.2		1.4	12		2.9
6/8/2026	SW-5	ND		7.2	ND		1.4	ND		1.4	ND		7.2	ND		1.4	ND		1.4	ND		1.4	ND		1.4	ND		1.4	3.2		1.4	13		2.9
6/8/2026	Duplicate SW (SW-5)	ND		7.2	ND		1.4	ND		1.4	ND		7.2	ND		1.4	ND		1.4	ND		1.4	ND		1.4	ND		1.4	3.1		1.4	13		2.9
6/8/2026	SW-6	ND		7.7	ND		1.5	ND		1.5	ND		7.7	ND		1.5	ND		1.5	ND		1.5	ND		1.5	ND		1.5	3.4		1.5	13		3.1
6/8/2026	SW-7	ND		8.4	ND		1.7	ND		1.7	ND		8.4	ND		1.7	ND		1.7	ND		1.7	ND		1.7	ND		1.7	3.3		1.7	13		3.4
6/8/2026	SW-8	ND		7.2	ND		1.4	ND		1.4	ND		7.2	ND		1.4	ND		1.4	ND		1.4	ND		1.4	ND		1.4	3.4		1.4	14		2.9
6/8/2026	SW-9	ND		7.1	ND		1.4	ND		1.4	ND		7.1	ND		1.4	ND		1.4	ND		1.4	ND		1.4	ND		1.4	3.3		1.4	13		2.9
6/8/2026	SW-10	ND		7.4	ND		1.5	ND		1.5	ND		7.4	ND		1.5	ND		1.5	ND		1.5	ND		1.5	ND		1.5	3.6		1.5	13		3.0
6/8/2026	Field Blank SW	ND		8.0	ND		1.6	ND		1.6	ND		8.0	ND		1.6	ND		1.6	ND		1.6	ND		1.6	ND		1.6	ND		1.6	ND		3.2

Notes:

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HFPO-DA is the ionic compound of the Hexafluoropropylene Oxide Dimer Acid (Gen-X) Ammonium Salt and shares the same proposed MSC.

PFBS is the ionic compound of the potassium perfluorobutane sulfonate salt and shares the same proposed MSC.

K+PFBS and HFPO-DA not analyzed under EPA 1633A. These analytes are only reported as acid/anion species in the instrumentation for these compounds.

Appendix Table 3b: Surface Water Analytical Data Summary
Per- and Polyfluoroalkyl Compounds

Analyte		Perfluorodecanesulfonic acid (PFDS)			Perfluorodecanoic acid (PFDA)			Perfluorododecanesulfonic acid (PFDoS)			Perfluorododecanoic acid (PFDoA)			Perfluoroheptanesulfonic acid (PFHpS)			Perfluoroheptanoic acid (PFHpA)			Perfluorohexanesulfonic acid (PFHxS)			Perfluorohexanoic acid (PFHxA)			Perfluorononanesulfonic acid (PFNS)			Perfluorononanoic acid (PFNA)			Perfluorooctanesulfonamide (PFOSA)		
CAS #		335-77-3			335-76-2			79780-39-5			307-55-1			375-92-8			375-85-9			355-46-4			307-24-4			68259-12-1			375-95-1			754-91-6		
Units		(ng/L)			(ng/L)			(ng/L)			(ng/L)			(ng/L)			(ng/L)			(ng/L)			(ng/L)			(ng/L)			(ng/L)			(ng/L)		
National Recommended Freshwater Aquatic Life Water Quality Criteria - Acute Water Column (Criterion Maximum Concentration)*		NS			NS			NS			NS			NS			NS			NS			NS			NS			NS			NS		
National Recommended Freshwater Aquatic Life Water Quality Criteria - Chronic Water Column (Criterion Continuous Concentration)*		NS			NS			NS			NS			NS			NS			NS			NS			NS			NS			NS		
Acute Freshwater Aquatic Life Benchmarks (Maximum Concentration)*		NS			500,000			NS			NS			NS			NS			210,000			4,800,000			NS			650,000			NS		
National Recommended Ambient Water Quality Criteria for the Protection of Human Health - Water + Organism HHC*		NS			NS			NS			NS			NS			NS			NS			NS			NS			NS			NS		
National Recommended Ambient Water Quality Criteria for the Protection of Human Health - Organism Only HHC*		NS			NS			NS			NS			NS			NS			NS			NS			NS			NS			NS		
DEP Groundwater SHS for a Used, Residential Aquifer		NS			NS			NS			NS			NS			NS			10			17000			NS			10			NS		
Sample Date	Sample ID	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL
6/8/2026	SW-1	ND		1.5	0.45	J	1.5	ND		1.5	ND		1.5	ND		1.5	2.9		1.5	2.7		1.5	5.4		1.5	ND		1.5	2.0		1.5	ND		1.5
6/8/2026	SW-3	ND		1.7	ND		1.7	ND		1.7	ND		1.7	ND		1.7	14		1.7	2.1		1.7	23		1.7	ND		1.7	4.2		1.7	ND		1.7
6/8/2026	SW-4	ND		1.4	ND		1.4	ND		1.4	ND		1.4	ND		1.4	13		1.4	2.1		1.4	21		1.4	ND		1.4	4.4		1.4	ND		1.4
6/8/2026	SW-5	ND		1.4	ND		1.4	ND		1.4	ND		1.4	ND		1.4	14		1.4	2.2		1.4	20		1.4	ND		1.4	4.5		1.4	ND		1.4
6/8/2026	Duplicate SW (SW-5)	ND		1.4	ND		1.4	ND		1.4	ND		1.4	ND		1.4	14		1.4	2.1		1.4	22		1.4	ND		1.4	4.2		1.4	ND		1.4
6/8/2026	SW-6	ND		1.5	ND		1.5	ND		1.5	ND		1.5	ND		1.5	13		1.5	2.3		1.5	20		1.5	ND		1.5	3.7		1.5	ND		1.5
6/8/2026	SW-7	ND		1.7	ND		1.7	ND		1.7	ND		1.7	ND		1.7	14		1.7	2.2		1.7	22		1.7	ND		1.7	4.0		1.7	ND		1.7
6/8/2026	SW-8	ND		1.4	ND		1.4	ND		1.4	ND		1.4	ND		1.4	14		1.4	2.3		1.4	22		1.4	ND		1.4	4.0		1.4	ND		1.4
6/8/2026	SW-9	ND		1.4	ND		1.4	ND		1.4	ND		1.4	ND		1.4	13		1.4	2.2		1.4	23		1.4	ND		1.4	4.5		1.4	ND		1.4
6/8/2026	SW-10	ND		1.5	ND		1.5	ND		1.5	ND		1.5	ND		1.5	13		1.5	2.1		1.5	20		1.5	ND		1.5	3.9		1.5	ND		1.5
6/8/2026	Field Blank SW	ND		1.6	ND		1.6	ND		1.6	ND		1.6	ND		1.6	ND		1.6	ND		1.6	ND		1.6	ND		1.6	ND		1.6	ND		1.6

Notes:

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Appendix Table 3b: Surface Water Analytical Data Summary
Per- and Polyfluoroalkyl Compounds

Analyte		Perfluorooctanesulfonic acid (PFOS)			Perfluorooctanoic acid (PFOA)			Perfluoropentanesulfonic acid (PFPeS)			Perfluoropentanoic acid (PFPeA)			Perfluorotetradecanoic acid (PFTeDA)			Perfluorotridecanoic acid (PFTrDA)			Perfluoroundecanoic acid (PFUnA)		
CAS #		1763-23-1			335-67-1			2706-91-4			2706-90-3			376-06-7			72629-94-8			2058-94-8		
Units		(ng/L)			(ng/L)			(ng/L)			(ng/L)			(ng/L)			(ng/L)			(ng/L)		
National Recommended Freshwater Aquatic Life Water Quality Criteria - Acute Water Column (Criterion Maximum Concentration)*		71,000			3,100,000			NS			NS			NS			NS			NS		
National Recommended Freshwater Aquatic Life Water Quality Criteria - Chronic Water Column (Criterion Continuous Concentration)*		250			100,000			NS			NS			NS			NS			NS		
Acute Freshwater Aquatic Life Benchmarks (Maximum Concentration)*		NS			NS			NS			NS			NS			NS			NS		
National Recommended Ambient Water Quality Criteria for the Protection of Human Health - Water + Organism HHC*		0.06			0.0009			NS			NS			NS			NS			NS		
National Recommended Ambient Water Quality Criteria for the Protection of Human Health - Organism Only HHC*		0.07			0.00036			NS			NS			NS			NS			NS		
DEP Groundwater SHS for a Used, Residential Aquifer		4			4			NS			NS			NS			NS			NS		
Sample Date	Sample ID	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL
6/8/2026	SW-1	7.2		1.5	9.3		1.5	ND		1.5	4.2		1.5	ND		1.5	ND		1.5	ND		1.5
6/8/2026	SW-3	4.5		1.7	17		1.7	ND		1.7	32		1.7	ND		1.7	ND		1.7	ND		1.7
6/8/2026	SW-4	4.7		1.4	17		1.4	ND		1.4	31		1.4	ND		1.4	ND		1.4	ND		1.4
6/8/2026	SW-5	4.6		1.4	16		1.4	ND		1.4	32		1.4	ND		1.4	ND		1.4	ND		1.4
6/8/2026	Duplicate SW (SW-5)	4.3		1.4	16		1.4	ND		1.4	31		1.4	ND		1.4	ND		1.4	ND		1.4
6/8/2026	SW-6	4.7		1.5	16		1.5	ND		1.5	33		1.5	ND		1.5	ND		1.5	ND		1.5
6/8/2026	SW-7	4.1		1.7	15		1.7	ND		1.7	32		1.7	ND		1.7	ND		1.7	ND		1.7
6/8/2026	SW-8	4.1		1.4	15		1.4	ND		1.4	33		1.4	ND		1.4	ND		1.4	ND		1.4
6/8/2026	SW-9	5.1		1.4	15		1.4	ND		1.4	32		1.4	ND		1.4	ND		1.4	ND		1.4
6/8/2026	SW-10	5.2		1.5	14		1.5	ND		1.5	32		1.5	ND		1.5	ND		1.5	ND		1.5
6/8/2026	Field Blank SW	ND		1.6	ND		1.6	ND		1.6	ND		1.6	ND		1.6	ND		1.6	ND		1.6

Notes:

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Appendix Table 3c: Surface Water Analytical Data Summary
Inorganics

Analyte		Calcium (Dissolved)			Total Chromium (Dissolved)			Chromium III (Dissolved)**			Chromium VI (Dissolved)			Fluoride (Dissolved)			Magnesium (Dissolved)			Manganese (Dissolved)			Manganese (Total)			Nickel (Dissolved)			Total Hardness (as CaCO ₃)**		
CAS #		7440-70-2			7440-47-3			16065-83-1			18540-29-9			16984-48-8			7439-95-4			7439-96-5			7439-96-5			7440-02-0			N/A		
Units		(mg/L)			(mg/L)			(mg/L)			(mg/L)			(mg/L)			(mg/L)			(mg/L)			(mg/L)			(mg/L)			(mg/L)		
DEP Chapter 93, Table 5: Surface Water Quality - Fish and Aquatic Life Criteria, Continuous Concentrations		NS			NS			0.067*			0.011			NS			NS			NS			NS			0.047*			NS		
DEP Chapter 93, Table 5: Surface Water Quality - Fish and Aquatic Life Criteria, Maximum Concentrations		NS			NS			0.513*			0.016			NS			NS			NS			NS			0.420*			NS		
DEP Chapter 93, Table 5: Surface Water Quality - Human Health Criteria		NS			NS			NS			NS			NS			NS			NS			NS			0.61			NS		
DEP Chapter 93, Table 3: Specific Surface Water Quality Criteria		NS			NS			NS			NS			2.0 ^a			NS			NS			1.0 ^b			NS			NS		
DEP Groundwater SHS for a Used, Residential Aquifer		NS			0.1			NS			NS			4			NS			0.3			NS			0.1			NS		
Sample Date	Sample ID	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL	Result	Qualifier	RL
6/8/2026	SW-1	20		0.10	ND		0.0021	ND		0.010	ND		0.010	ND		0.20	9.9		0.052	ND		0.0021	0.010		0.0020	0.00063	J	0.0010	88		2.1
6/8/2026	SW-3	33		0.10	0.036		0.0021	ND		0.010	0.033		0.010	1.8		0.20	11		0.052	0.035		0.0021	0.034		0.0020	0.026		0.0010	130		2.1
6/8/2026	SW-4	33		0.10	0.034		0.0021	ND		0.010	0.033		0.010	1.8		0.20	11		0.052	0.027		0.0021	0.027		0.0020	0.022		0.0010	130		2.1
6/8/2026	SW-5	34		0.10	0.033		0.0021	ND		0.010	0.030		0.010	1.8		0.20	11		0.052	0.011		0.0021	0.010		0.0020	0.017		0.0010	130		2.1
6/8/2026	Duplicate SW (SW-5)	33		0.10	0.033		0.0021	ND		0.010	0.031		0.010	1.8		0.20	11		0.052	0.010		0.0021	0.010		0.0020	0.017		0.0010	170		2.1
6/8/2026	SW-6	37		0.10	0.031		0.0021	ND		0.010	0.028		0.010	1.8		0.20	12		0.052	0.0024		0.0021	0.0027		0.0020	0.012		0.0010	150		2.1
6/8/2026	SW-7	38		0.10	0.031		0.0021	ND		0.010	0.028		0.010	1.8		0.20	12		0.052	0.0019	J	0.0021	0.0021		0.0020	0.012		0.0010	140		2.1
6/8/2026	SW-8	39		0.10	0.032		0.0021	ND		0.010	0.029		0.010	1.8		0.20	12		0.052	ND		0.0021	0.0017	J	0.0020	0.011		0.0010	150		2.1
6/8/2026	SW-9	39		0.10	0.030		0.0021	ND		0.010	0.028		0.010	1.8		0.20	12		0.052	0.0015	J	0.0021	0.0016	J	0.0020	0.0097		0.0010	150		2.1
6/8/2026	SW-10	38		0.10	0.026		0.0021	ND		0.010	0.023		0.010	1.7		0.20	12		0.052	0.0045		0.0021	0.0063		0.0020	0.0069		0.0010	190		2.1
6/8/2026	Field Blank SW	ND		0.10	ND		0.0021	ND		0.010	ND		0.010	ND		0.20	ND		0.052	ND		0.0021	ND		0.0020	ND		0.0010	ND		2.1

Notes:
a: Daily average
b: Maximum, as total recoverable
DEP: Pennsylvania Department of Environmental Protection
SHS: Statewide Health Standard
mg/L: milligrams per liter
NS: No standard
RL: Reporting Limit
ND: Indicates analysis was performed for the test but it was not detected. The sample reporting limit is reported.
J: Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value
* Calculated DEP Standard based on the lowest hardness value
**Results calculated and provided by Eurofins
Applicable DEP Surface Water Standard
Indicates laboratory reporting limits exceed the applicable DEP Standard.
Indicates concentrations exceed the applicable DEP Standard.
Bolded results indicates a concentration was detected



Appendix G – Groundwater Analytical Reports and Chain-of-Custody Documentation



ANALYTICAL REPORT

PREPARED FOR

Attn: Tim Uhler
Groundwater & Environmental Services Inc
410 Eagleview Boulevard
Suite 110
Exton, Pennsylvania 19341-2577

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JOB DESCRIPTION

GTAC-Bishop Tube HSCA Site

JOB NUMBER

410-285561-1

Eurofins Lancaster Laboratories Environment Testing, LLC

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Authorized for release by
Amek Carter, Project Manager
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Revision 1

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

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WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.



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Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
^c	CCV Recovery is outside acceptance limits.
cn	Refer to Case Narrative for further detail
F2	MS/MSD RPD exceeds control limits
FH	MS and/or MSD recovery above control limits.
FL	MS and/or MSD recovery below control limits.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

HPLC/IC

Qualifier	Qualifier Description
FH	MS and/or MSD recovery above control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

LCMS

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*5-	Isotope dilution analyte is outside acceptance limits, low biased.
*5+	Isotope dilution analyte is outside acceptance limits, high biased.
^c	CCV Recovery is outside acceptance limits.
cn	Refer to Case Narrative for further detail
F2	MS/MSD RPD exceeds control limits
FL	MS and/or MSD recovery below control limits.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
I	Ion ratio outside limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)

Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Groundwater & Environmental Services Inc
Project: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Job ID: 410-285561-1

Eurofins Lancaster Laboratories Environment

**Job Narrative
410-285561-1**

REVISION

The report being provided is a revision of the original report sent on 6/23/2026. The report (revision 1) is being revised due to VOCs and PFAS added to sample MW-76.

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 5/28/2026 6:15 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.1°C and 5.9°C.

Receipt Exceptions

Backup volume for 1633 method was placed in the freezer upon receipt. MW-57B (410-285561-2), MW-57C (410-285561-3), MW-78A (410-285561-4), MW-78B (410-285561-5), MW-78C (410-285561-6), Field Blank #1 (410-285561-7), MW-77 (410-285561-8), MW-76 (410-285561-9) and MW-64 (410-285561-11)

One 125-mL plastic unpreserved container for the following sample was received leaking: MW-57A (410-285561-1). Lid was not secure and came off during transit. Sufficient volume remains for analysis.

GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-825910 recovered outside acceptance criteria, low biased, for cis-1,2-Dichloroethene, trans-1,2-Dichloroethene and Chloroform. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-831502 recovered above the upper control limit for trans-1,3-Dichloropropene, Carbon tetrachloride and Bromoform. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-833147 recovered above the upper control limit for 4-Methyl-2-pentanone, Cyclohexane, 2-Hexanone and Acetone. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The following samples were diluted due to the abundance of target analytes: MW-77 (410-285561-8) and MW-64 (410-285561-11). Elevated reporting limits (RLs) are provided.

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-863819 recovered outside acceptance criteria, low biased, for 4-Methyl-2-pentanone, 2-Hexanone, Chloromethane, Vinyl chloride, 2-Butanone, Methyl acetate and 1,2-Dibromo-3-Chloropropane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The following sample was analyzed outside of analytical holding time due to laboratory error: MW-76 (410-285561-9).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Case Narrative

Client: Groundwater & Environmental Services Inc
Project: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Job ID: 410-285561-1 (Continued)

Eurofins Lancaster Laboratories Environment

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

PFAS

Method 1633A: Due to TSS greater than 50 mg/L when compared to a visual standard, the samples were spiked with extracted internal standards, shaken and centrifuged. The aqueous portion was decanted into the original container and extracted. The affected samples are MW-78C (410-285561-6), MW-35 (410-285561-14), PZ-5 (410-285561-15), PZ-8 (410-285561-16), MW-80A (410-285561-17) and MW-80B (410-285561-18).

Method 1633A: Due to TSS greater than 50 mg/L when compared to a visual standard, the samples were spiked with extracted internal standards, shaken and centrifuged. The aqueous portion was decanted into the original container and extracted. The affected samples are MW-58B (410-285561-21), MW-84A (410-285561-24), MW-84B (410-285561-25), MW-84B (410-285561-25[MS]), MW-84B (410-285561-25[MSD]) and Duplicate 1 (410-285561-26).

Method 1633A: The recovery for labeled isotope: 13C3-3:3 FTCA is outside the QC acceptance limits in the opening and closing continuing calibration verification standard associated with the following samples MW-57C (410-285561-3), MW-78A (410-285561-4), MW-78B (410-285561-5), MW-78C (410-285561-6), Field Blank #1 (410-285561-7), MW-77 (410-285561-8), MW-64 (410-285561-11), MW-32 (410-285561-12), MW-33 (410-285561-13), MW-35 (410-285561-14), PZ-5 (410-285561-15), PZ-8 (410-285561-16), MW-80A (410-285561-17), MW-80B (410-285561-18) and MW-80C (410-285561-19), biased high. Since the recovery for target analytes is within the limits, the data is reported.

Method 1633A: The labeled isotopes 13C3-3:3 FTCA are outside QC acceptance limits. Since the recovery in sample MW-78B (410-285561-5), Field Blank #1 (410-285561-7), MW-32 (410-285561-12) and MW-80C (410-285561-19) is less than 200%, the data is reported.

Method 1633A: The recovery for labeled isotope(s) 13C3-PFDoS were outside QC acceptance criteria in samples MW-78C (410-285561-6), MW-35 (410-285561-14), PZ-8 (410-285561-16) and MW-80B (410-285561-18). Since the labeled isotope recoveries were greater than or equal to 5% and the signal to noise was greater than 10:1, therefore, the data is reported.

Method 1633A: The transition mass ratio for Perfluorooctanesulfonic acid (PFOS) in sample MW-64 (410-285561-11), MW-35 (410-285561-14) and PZ-8 (410-285561-16) in analytical batch 410-832377 was outside of the established ratio limits. However, analyst judgment was used to positively identify the analyte. The analyte is flagged appropriately to identify this exceedance.

Method 1633A: The transition mass ratio for Perfluorodecanoic acid (PFDA) in sample MW-80A (410-285561-17) in analytical batch 410-832377 was outside of the established ratio limits. However, analyst judgment was used to positively identify the analyte. The analyte is flagged appropriately to identify this exceedance.

Method 1633A: The LCS/LCSD/LLCS labeled isotope(s) 13C5 PFPeA, 13C5 PFHxA, 13C4 PFHpA and 13C3-3:3 FTCA recovery associated with samples: MW-57A (410-285561-1) and MW-57B (410-285561-2) is outside the QC acceptance limits. Since the recovery for target analytes is within the limits, the data is reported.

Method 1633A: The recovery for a target analyte(s) 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) and 3-Perfluoropentylpropanoic acid (5:3 FTCA) in the low laboratory control spike samples associated with the following samples: MW-57A (410-285561-1) and MW-57B (410-285561-2) is outside the QC acceptance limits. Since the recovery is high and the native analyte is not detected in the sample, the data is reported.

Method 1633A: The recovery for the labeled isotope(s) 13C5 PFPeA and 13C5 PFHxA in the method blank associated with samples: MW-57A (410-285561-1) and MW-57B (410-285561-2) is outside the QC acceptance limits. Since the recovery is high and the associated native analyte is not detected in the method blank, the data is reported

Method 1633A: Analyte Perfluorononanoic acid (PFNA) and Perfluorooctanesulfonic acid (PFOS) was marked as non-detect for sample MW-57B (410-285561-2) due to a detection below RL and failing ion ratio.

Method 1633A: The labeled isotopes 13C2 6:2 FTS are outside QC acceptance limits. Since the recovery in sample MW-57A (410-285561-1) is less than 350%, the data is reported.

Method 1633A: The labeled isotopes 13C2 6:2 FTS are outside QC acceptance limits. Since the recovery in sample MW-84A (410-285561-24) is less than 350%, the data is reported.

Case Narrative

Client: Groundwater & Environmental Services Inc
Project: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Job ID: 410-285561-1 (Continued)

Eurofins Lancaster Laboratories Environment

Method 1633A: The transition mass ratio for Perfluorononanoic acid (PFNA) in sample MW-84A (410-285561-24) in analytical batch 410-833367 was outside of the established ratio limits. However, analyst judgment was used to positively identify the analyte. The analyte is flagged appropriately to identify this exceedance.

Method 1633A: The transition mass ratio for Perfluoroheptanoic acid (PFHpA) in sample Duplicate 1 (410-285561-26) in analytical batch 410-833367 was outside of the established ratio limits. However, analyst judgment was used to positively identify the analyte. The analyte is flagged appropriately to identify this exceedance.

Method 1633A: The recovery for a target analyte(s) 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) and 3-Perfluoropentylpropanoic acid (5:3 FTCA) in the LCS/LCSD spike samples associated with the following samples: MW-57A (410-285561-1) and MW-57B (410-285561-2) is outside the QC acceptance limits. Since the recovery is high and the native analyte is not detected in the sample, the data is reported.

Method 1633A: The recovery for labeled isotope: d3-NMeFOSAA and 13C2 4:2 FTS is outside the QC acceptance limits in the opening instrument sensitivity check associated with the following samples MW-76 (410-285561-9). Since the recovery for target analytes is within the limits, the data is reported.

Method 1633A: The recovery for labeled isotope: 13C2 6:2 FTS and 13C2 8:2 FTS is outside the QC acceptance limits in the closing continuing calibration verification standard associated with the following samples MW-76 (410-285561-9), biased low. Since the recovery for target analytes is within the limits, the data is reported.

Method 1633A: The following sample was prepared outside of preparation holding time: MW-76 (410-285561-9). The client was contacted and the data is reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-57A

Lab Sample ID: 410-285561-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	3.4		3.3	0.89	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	3.6		1.6	0.49	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	2.8		1.6	0.41	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.7		1.6	0.65	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	4.9		1.6	0.73	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	1.0	J	1.6	0.41	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.6		1.6	0.41	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.1	J	1.6	0.65	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.6		1.6	1.1	ng/L	1		1633A	Total/NA
Chromium	0.00093	J	0.0021	0.00057	mg/L	1		6020B	Dissolved
Nickel	0.0011		0.0010	0.00041	mg/L	1		6020B	Dissolved
Manganese	0.0093		0.0021	0.00098	mg/L	1		6020B	Dissolved

Client Sample ID: MW-57B

Lab Sample ID: 410-285561-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.55	J	5.0	0.30	ug/L	1		8260D	Total/NA
Fluoride	0.51		0.20	0.10	mg/L	1		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	5.8		3.3	0.90	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	4.7		1.6	0.49	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	4.0		1.6	0.41	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	2.5		1.6	0.65	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	1.7		1.6	0.74	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.56	J	1.6	0.41	ng/L	1		1633A	Total/NA
Nickel	0.00076	J	0.0010	0.00041	mg/L	1		6020B	Dissolved
Manganese	0.0027		0.0021	0.00098	mg/L	1		6020B	Dissolved

Client Sample ID: MW-57C

Lab Sample ID: 410-285561-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoride	0.87		0.20	0.10	mg/L	1		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	4.2		3.3	0.91	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	5.2		1.7	0.50	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	6.0		1.7	0.42	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	3.3		1.7	0.66	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	8.0		1.7	0.75	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	2.2		1.7	0.42	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	0.77	J	1.7	0.42	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.7		1.7	0.42	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.6	J	1.7	0.66	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	5.0		1.7	1.1	ng/L	1		1633A	Total/NA
Nickel	0.0012		0.0010	0.00041	mg/L	1		6020B	Dissolved
Manganese	0.0057		0.0021	0.00098	mg/L	1		6020B	Dissolved

Client Sample ID: MW-78A

Lab Sample ID: 410-285561-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	530		10	3.0	ug/L	10		8260D	Total/NA
1,1,1-Trichloroethane	63		10	3.0	ug/L	10		8260D	Total/NA
Vinyl chloride	47		10	3.0	ug/L	10		8260D	Total/NA
1,1-Dichloroethane	20		10	3.0	ug/L	10		8260D	Total/NA
Trichloroethene	44		10	3.0	ug/L	10		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-78A (Continued)

Lab Sample ID: 410-285561-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoride	0.12	J	0.20	0.10	mg/L	1		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	88		3.3	0.91	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	280		1.6	0.49	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	200		1.6	0.41	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	170		1.6	0.66	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	160		1.6	0.74	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	40		1.6	0.41	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	1.0	J	1.6	0.41	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.74	J	1.6	0.41	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.0	J	1.6	0.66	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	5.4		1.6	1.1	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	2.9	J	3.3	0.82	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	350		3.3	0.82	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	64		3.3	0.82	ng/L	1		1633A	Total/NA
3-Perfluoropropylpropanoic acid (3:3 FTCA)	1.1	J	3.3	0.82	ng/L	1		1633A	Total/NA
3-Perfluoropentylpropanoic acid (5:3 FTCA)	6.0	J	8.2	2.3	ng/L	1		1633A	Total/NA
Nickel	0.0010		0.0010	0.00041	mg/L	1		6020B	Dissolved
Manganese	0.87		0.0021	0.00098	mg/L	1		6020B	Dissolved

Client Sample ID: MW-78B

Lab Sample ID: 410-285561-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	83	J	250	75	ug/L	250		8260D	Total/NA
cis-1,2-Dichloroethene	13000		250	75	ug/L	250		8260D	Total/NA
1,1,1-Trichloroethane	11000		250	75	ug/L	250		8260D	Total/NA
Vinyl chloride	11000		250	75	ug/L	250		8260D	Total/NA
1,1-Dichloroethane	2600		250	75	ug/L	250		8260D	Total/NA
1,1-Dichloroethene	210	J	250	75	ug/L	250		8260D	Total/NA
Trichloroethene	67000		250	75	ug/L	250		8260D	Total/NA
Fluoride	0.19	J	0.20	0.10	mg/L	1		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	85		3.4	0.93	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	290		1.7	0.51	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	180		1.7	0.42	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	150		1.7	0.68	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	130		1.7	0.76	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	24		1.7	0.42	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	1.8		1.7	0.42	ng/L	1		1633A	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.74	J	1.7	0.42	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.78	J	1.7	0.42	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.3	J	1.7	0.68	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	4.2		1.7	1.1	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	4.9		3.4	0.84	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	380		3.4	0.84	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	22		3.4	0.84	ng/L	1		1633A	Total/NA
3-Perfluoropentylpropanoic acid (5:3 FTCA)	7.0	J	8.4	2.4	ng/L	1		1633A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-78B (Continued)

Lab Sample ID: 410-285561-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	0.00075	J	0.0010	0.00041	mg/L	1		6020B	Dissolved
Manganese	0.15		0.0021	0.00098	mg/L	1		6020B	Dissolved

Client Sample ID: MW-78C

Lab Sample ID: 410-285561-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	490	J	1000	300	ug/L	1000		8260D	Total/NA
cis-1,2-Dichloroethene	24000		1000	300	ug/L	1000		8260D	Total/NA
Acetone	4200	J ^c cn	20000	700	ug/L	1000		8260D	Total/NA
1,1,1-Trichloroethane	56000		1000	300	ug/L	1000		8260D	Total/NA
Vinyl chloride	610	J	1000	300	ug/L	1000		8260D	Total/NA
1,1-Dichloroethane	8300		1000	300	ug/L	1000		8260D	Total/NA
1,1-Dichloroethene	4500		1000	300	ug/L	1000		8260D	Total/NA
Trichloroethene - DL	400000		10000	3000	ug/L	10000		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	36	cn	3.3	0.90	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	98	cn	1.6	0.49	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	56	cn	1.6	0.41	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	33	cn	1.6	0.66	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	30	cn	1.6	0.74	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	8.4	cn	1.6	0.41	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	1.3	J cn	1.6	0.41	ng/L	1		1633A	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.63	J cn	1.6	0.41	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.79	J cn	1.6	0.66	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	2.5	J cn	3.3	0.82	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	73	cn	3.3	0.82	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	4.2	cn	3.3	0.82	ng/L	1		1633A	Total/NA
Nickel	0.00071	J	0.0010	0.00041	mg/L	1		6020B	Dissolved
Manganese	0.019		0.0021	0.00098	mg/L	1		6020B	Dissolved

Client Sample ID: Field Blank #1

Lab Sample ID: 410-285561-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.5	J	20	0.70	ug/L	1		8260D	Total/NA
Chloroform	1.0		1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: MW-77

Lab Sample ID: 410-285561-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1800	cn	100	30	ug/L	100		8260D	Total/NA
1,1,1-Trichloroethane	4900	cn	100	30	ug/L	100		8260D	Total/NA
1,1-Dichloroethane	180	cn	100	30	ug/L	100		8260D	Total/NA
1,1-Dichloroethene	230	cn	100	30	ug/L	100		8260D	Total/NA
Freon 113	120	J cn	1000	30	ug/L	100		8260D	Total/NA
Trichloroethene	13000	cn	100	30	ug/L	100		8260D	Total/NA
Fluoride	0.12	J	0.20	0.10	mg/L	1		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	54		3.5	0.97	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	150		1.8	0.53	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	94		1.8	0.44	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	85		1.8	0.70	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	66		1.8	0.79	ng/L	1		1633A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-77 (Continued)

Lab Sample ID: 410-285561-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorononanoic acid (PFNA)	37		1.8	0.44	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	0.84	J	1.8	0.44	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.71	J	1.8	0.44	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.2	J	1.8	0.70	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	5.3		1.8	1.1	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	1.1	J	3.5	0.88	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	72		3.5	0.88	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	7.3		3.5	0.88	ng/L	1		1633A	Total/NA
Nickel	0.0016		0.0010	0.00041	mg/L	1		6020B	Dissolved

Client Sample ID: MW-76

Lab Sample ID: 410-285561-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.2	H cn	1.0	0.30	ug/L	1		8260D	Total/NA
Methyl tertiary butyl ether	1.5	H cn	1.0	0.20	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	23	H cn	1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	5.4	H cn	1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	28	H cn	1.0	0.30	ug/L	1		8260D	Total/NA
Fluoride	0.10	J	0.20	0.10	mg/L	1		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	66	H cn	3.2	0.88	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	200	H cn	1.6	0.48	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	150	H cn	1.6	0.40	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	160	H cn	1.6	0.64	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	150	H cn	1.6	0.72	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	40	H cn	1.6	0.40	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.86	J H cn	1.6	0.40	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.1	J H cn	1.6	0.64	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.3	H cn	1.6	1.0	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	4.0	H cn	3.2	0.80	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	350	H cn	3.2	0.80	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	75	H cn	3.2	0.80	ng/L	1		1633A	Total/NA
Nickel	0.0022		0.0010	0.00041	mg/L	1		6020B	Dissolved
Manganese	1.6		0.0021	0.00098	mg/L	1		6020B	Dissolved

Client Sample ID: Trip Blank 20260528

Lab Sample ID: 410-285561-10

No Detections.

Client Sample ID: MW-64

Lab Sample ID: 410-285561-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	8100	cn	100	30	ug/L	100		8260D	Total/NA
1,1,1-Trichloroethane	140	cn	100	30	ug/L	100		8260D	Total/NA
Vinyl chloride	140	cn	100	30	ug/L	100		8260D	Total/NA
1,1-Dichloroethane	53	J cn	100	30	ug/L	100		8260D	Total/NA
1,1-Dichloroethene	59	J cn	100	30	ug/L	100		8260D	Total/NA
Trichloroethene	8700	cn	100	30	ug/L	100		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	59		4.4	1.2	ng/L	1		1633A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-64 (Continued)

Lab Sample ID: 410-285561-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	170		2.2	0.66	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	110		2.2	0.55	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	120		2.2	0.88	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	97		2.2	0.99	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	32		2.2	0.55	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	1.2	J	2.2	0.55	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.85	J	2.2	0.55	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.3	J	2.2	0.88	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	4.7	I cn	2.2	1.4	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	2.6	J	4.4	1.1	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	210		4.4	1.1	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	33		4.4	1.1	ng/L	1		1633A	Total/NA
Nickel	0.0013		0.0010	0.00041	mg/L	1		6020B	Dissolved
Manganese	4.5		0.0021	0.00098	mg/L	1		6020B	Dissolved

Client Sample ID: MW-32

Lab Sample ID: 410-285561-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.62	J	1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	0.33	J	1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	0.30	J	1.0	0.30	ug/L	1		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	2.8	J	2.9	0.80	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	1.3	J	1.5	0.36	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.6		1.5	0.58	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	3.9		1.5	0.65	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	1.9		1.5	0.36	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	0.62	J	1.5	0.36	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	3.6		1.5	0.36	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.0		1.5	0.58	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	8.6		1.5	0.94	ng/L	1		1633A	Total/NA

Client Sample ID: MW-33

Lab Sample ID: 410-285561-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	4.2		1.0	0.30	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	4.5		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	1.0		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	0.32	J	1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	2.4		1.0	0.30	ug/L	1		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	15		3.1	0.85	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	32		1.5	0.46	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	22		1.5	0.39	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	17		1.5	0.62	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	51		1.5	0.70	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	8.2		1.5	0.39	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	0.66	J	1.5	0.39	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	16		1.5	0.39	ng/L	1		1633A	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	10		1.5	0.39	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	44		1.5	0.62	ng/L	1		1633A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-33 (Continued)

Lab Sample ID: 410-285561-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoroheptanesulfonic acid (PFHpS)	5.4		1.5	0.39	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	660		1.5	1.0	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonamide (PFOSA)	5.3		1.5	0.39	ng/L	1		1633A	Total/NA
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.9		1.5	0.39	ng/L	1		1633A	Total/NA

Client Sample ID: MW-35

Lab Sample ID: 410-285561-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.34	J	1.0	0.30	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	22		1.0	0.30	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	0.90	J	2.0	0.70	ug/L	1		8260D	Total/NA
Acetone	1.4	J	20	0.70	ug/L	1		8260D	Total/NA
Benzene	0.39	J	1.0	0.30	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	13		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	4.7		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	1.1		1.0	0.30	ug/L	1		8260D	Total/NA
Freon 113	0.64	J	10	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	7.5		1.0	0.30	ug/L	1		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	14	cn	3.2	0.89	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	27	cn	1.6	0.49	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	19	cn	1.6	0.41	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	12	cn	1.6	0.65	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	14	cn	1.6	0.73	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	3.5	cn	1.6	0.41	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	3.2	cn	1.6	0.41	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.1	cn	1.6	0.65	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	5.5	l cn	1.6	1.1	ng/L	1		1633A	Total/NA

Client Sample ID: PZ-5

Lab Sample ID: 410-285561-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.41	J	1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	0.48	J	1.0	0.30	ug/L	1		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	23	cn	3.2	0.88	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	55	cn	1.6	0.48	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	34	cn	1.6	0.40	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	25	cn	1.6	0.64	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	23	cn	1.6	0.72	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	7.2	cn	1.6	0.40	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	0.84	J cn	1.6	0.40	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	7.2	cn	1.6	0.40	ng/L	1		1633A	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.49	J cn	1.6	0.40	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.3	cn	1.6	0.64	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	9.3	cn	1.6	1.0	ng/L	1		1633A	Total/NA

Client Sample ID: PZ-8

Lab Sample ID: 410-285561-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.50	J	1.0	0.30	ug/L	1		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	19	cn	3.4	0.92	ng/L	1		1633A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: PZ-8 (Continued)

Lab Sample ID: 410-285561-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	20	cn	1.7	0.50	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	11	cn	1.7	0.42	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	7.1	cn	1.7	0.67	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	9.1	cn	1.7	0.75	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	3.9	cn	1.7	0.42	ng/L	1		1633A	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.54	J cn	1.7	0.42	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	4.4	cn	1.7	0.42	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.4	J cn	1.7	0.67	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	5.1	I cn	1.7	1.1	ng/L	1		1633A	Total/NA

Client Sample ID: MW-80A

Lab Sample ID: 410-285561-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.49	J	1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	0.81	J	1.0	0.30	ug/L	1		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	8.9	cn	3.3	0.92	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	7.7	cn	1.7	0.50	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	8.2	cn	1.7	0.42	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	5.8	cn	1.7	0.67	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	17	cn	1.7	0.75	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	4.2	cn	1.7	0.42	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	1.5	J I cn	1.7	0.42	ng/L	1		1633A	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.51	J cn	1.7	0.42	ng/L	1		1633A	Total/NA
Perfluorododecanoic acid (PFDoA)	0.42	J cn	1.7	0.42	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	5.1	cn	1.7	0.42	ng/L	1		1633A	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.67	J cn	1.7	0.42	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.9	cn	1.7	0.67	ng/L	1		1633A	Total/NA
Perfluoroheptanesulfonic acid (PFHpS)	0.52	J cn	1.7	0.42	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	43	cn	1.7	1.1	ng/L	1		1633A	Total/NA

Client Sample ID: MW-80B

Lab Sample ID: 410-285561-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.5		1.0	0.30	ug/L	1		8260D	Total/NA
Vinyl chloride	3.8		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	0.32	J	1.0	0.30	ug/L	1		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	5.6	cn	3.3	0.90	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	6.1	cn	1.6	0.49	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	5.8	cn	1.6	0.41	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	4.0	cn	1.6	0.65	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	12	cn	1.6	0.73	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	2.4	cn	1.6	0.41	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	4.8	cn	1.6	0.41	ng/L	1		1633A	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.61	J cn	1.6	0.41	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	3.0	cn	1.6	0.65	ng/L	1		1633A	Total/NA
Perfluoroheptanesulfonic acid (PFHpS)	0.55	J cn	1.6	0.41	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	30	cn	1.6	1.1	ng/L	1		1633A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-80C

Lab Sample ID: 410-285561-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.96	J	1.0	0.30	ug/L	1		8260D	Total/NA
Vinyl chloride	5.1		1.0	0.30	ug/L	1		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	22		3.1	0.86	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	15		1.6	0.47	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	7.6		1.6	0.39	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	5.1		1.6	0.62	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	15		1.6	0.70	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	2.7		1.6	0.39	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	0.40	J	1.6	0.39	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	5.6		1.6	0.39	ng/L	1		1633A	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.76	J	1.6	0.39	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	3.8		1.6	0.62	ng/L	1		1633A	Total/NA
Perfluoroheptanesulfonic acid (PFHpS)	0.52	J	1.6	0.39	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	27		1.6	1.0	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	52		3.1	0.78	ng/L	1		1633A	Total/NA

Client Sample ID: MW-58A

Lab Sample ID: 410-285561-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	6.1		1.0	0.30	ug/L	1		8260D	Total/NA
Acetone	2.4	J	20	0.70	ug/L	1		8260D	Total/NA
Trichloroethene	0.42	J	1.0	0.30	ug/L	1		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	5.0		3.2	0.89	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	4.4		1.6	0.49	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	3.9		1.6	0.40	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	2.5		1.6	0.65	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	4.1		1.6	0.73	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	1.3	J	1.6	0.40	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	0.42	J	1.6	0.40	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.69	J	1.6	0.40	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.67	J	1.6	0.65	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.2		1.6	1.1	ng/L	1		1633A	Total/NA

Client Sample ID: MW-58B

Lab Sample ID: 410-285561-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.2	J	20	0.70	ug/L	1		8260D	Total/NA
Vinyl chloride	0.94	J	1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	0.34	J	1.0	0.30	ug/L	1		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	5.5	cn	2.9	0.81	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	9.3	cn	1.5	0.44	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	7.9	cn	1.5	0.37	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	3.6	cn	1.5	0.59	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	7.1	cn	1.5	0.66	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	2.6	cn	1.5	0.37	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	0.63	J cn	1.5	0.37	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.4	J cn	1.5	0.37	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.81	J cn	1.5	0.59	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.8	cn	1.5	0.96	ng/L	1		1633A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-58B (Continued)

Lab Sample ID: 410-285561-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
3-Perfluoropentylpropanoic acid (5:3 FTCA)	5.1	J cn	7.4	2.1	ng/L	1		1633A	Total/NA

Client Sample ID: MW-58C

Lab Sample ID: 410-285561-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.42	J	1.0	0.30	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.59	J	1.0	0.30	ug/L	1		8260D	Total/NA
Acetone	2.8	J	20	0.70	ug/L	1		8260D	Total/NA
Chloroethane	0.77	J	1.0	0.30	ug/L	1		8260D	Total/NA
Vinyl chloride	1.4		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	0.38	J	1.0	0.30	ug/L	1		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	38		3.2	0.88	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	36		1.6	0.48	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	22		1.6	0.40	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	8.5		1.6	0.64	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	5.4		1.6	0.72	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	2.2		1.6	0.40	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	0.41	J	1.6	0.40	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.4	J	1.6	0.40	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.71	J	1.6	0.64	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.9		1.6	1.0	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	54		3.2	0.80	ng/L	1		1633A	Total/NA
3-Perfluoropentylpropanoic acid (5:3 FTCA)	17		8.0	2.2	ng/L	1		1633A	Total/NA

Client Sample ID: MW-83

Lab Sample ID: 410-285561-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.0		1.0	0.30	ug/L	1		8260D	Total/NA
Acetone	1.6	J	20	0.70	ug/L	1		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	8.3		3.2	0.88	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	8.7		1.6	0.48	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	10		1.6	0.40	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	4.6		1.6	0.64	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	8.2		1.6	0.72	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	1.6		1.6	0.40	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	3.6		1.6	0.40	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.2	J	1.6	0.64	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.1		1.6	1.0	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	5.2		3.2	0.80	ng/L	1		1633A	Total/NA

Client Sample ID: MW-84A

Lab Sample ID: 410-285561-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.99	J	1.0	0.30	ug/L	1		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	4.8	cn	3.2	0.88	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	4.2	cn	1.6	0.48	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	5.6	cn	1.6	0.40	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	2.3	cn	1.6	0.64	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	4.2	cn	1.6	0.72	ng/L	1		1633A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-84A (Continued)

Lab Sample ID: 410-285561-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorononanoic acid (PFNA)	1.6	I cn	1.6	0.40	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.4	J cn	1.6	0.40	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.7	cn	1.6	1.0	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	3.9	cn	3.2	0.80	ng/L	1		1633A	Total/NA

Client Sample ID: MW-84B

Lab Sample ID: 410-285561-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	18	F2 FH FL	1.0	0.30	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	7.8		2.0	0.70	ug/L	1		8260D	Total/NA
Benzene	0.32	J	1.0	0.30	ug/L	1		8260D	Total/NA
Vinyl chloride	6.6		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	0.59	J	1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	0.33	J	1.0	0.30	ug/L	1		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	8.3	cn	3.7	1.0	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	7.1	cn	1.9	0.56	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	7.1	cn	1.9	0.47	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	4.1	cn	1.9	0.74	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	9.0	cn	1.9	0.84	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	1.7	J cn	1.9	0.47	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	4.7	cn	1.9	0.47	ng/L	1		1633A	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.51	J cn	1.9	0.47	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.2	cn	1.9	0.74	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	12	cn	1.9	1.2	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	150	FL F2 cn	3.7	0.93	ng/L	1		1633A	Total/NA

Client Sample ID: Duplicate 1

Lab Sample ID: 410-285561-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.97	J	1.0	0.30	ug/L	1		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	6.2	cn	3.2	0.89	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	3.8	cn	1.6	0.48	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	5.0	cn	1.6	0.40	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	3.3	I cn	1.6	0.65	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	3.9	cn	1.6	0.73	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	1.6	cn	1.6	0.40	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	0.43	J cn	1.6	0.40	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.3	J cn	1.6	0.40	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.87	J cn	1.6	0.65	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.0	cn	1.6	1.0	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	5.6	cn	3.2	0.81	ng/L	1		1633A	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 410-285561-27

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-57A

Lab Sample ID: 410-285561-1

Date Collected: 05/28/26 11:35

Matrix: Water

Date Received: 05/28/26 18:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/10/26 13:50	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/10/26 13:50	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/10/26 13:50	1
Styrene	ND		5.0	0.30	ug/L			06/10/26 13:50	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/10/26 13:50	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/10/26 13:50	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/10/26 13:50	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/10/26 13:50	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/10/26 13:50	1
Toluene	ND		1.0	0.30	ug/L			06/10/26 13:50	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/10/26 13:50	1
Cyclohexane	ND		5.0	1.0	ug/L			06/10/26 13:50	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/10/26 13:50	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/10/26 13:50	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/10/26 13:50	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/10/26 13:50	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/10/26 13:50	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/10/26 13:50	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/10/26 13:50	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/10/26 13:50	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/10/26 13:50	1
2-Hexanone	ND		10	0.85	ug/L			06/10/26 13:50	1
Acetone	ND		20	0.70	ug/L			06/10/26 13:50	1
Chloroform	ND		1.0	0.30	ug/L			06/10/26 13:50	1
Benzene	ND		1.0	0.30	ug/L			06/10/26 13:50	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/10/26 13:50	1
Bromomethane	ND		1.0	0.30	ug/L			06/10/26 13:50	1
Chloromethane	ND		2.0	0.55	ug/L			06/10/26 13:50	1
Chloroethane	ND		1.0	0.30	ug/L			06/10/26 13:50	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/10/26 13:50	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/10/26 13:50	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/10/26 13:50	1
Bromoform	ND		4.0	1.0	ug/L			06/10/26 13:50	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/10/26 13:50	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/10/26 13:50	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/10/26 13:50	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/10/26 13:50	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/10/26 13:50	1
Freon 113	ND		10	0.30	ug/L			06/10/26 13:50	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/10/26 13:50	1
2-Butanone	ND		10	1.0	ug/L			06/10/26 13:50	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/10/26 13:50	1
Trichloroethene	ND		1.0	0.30	ug/L			06/10/26 13:50	1
Methyl acetate	ND		5.0	0.60	ug/L			06/10/26 13:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/10/26 13:50	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/10/26 13:50	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/10/26 13:50	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/10/26 13:50	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-57A

Lab Sample ID: 410-285561-1

Date Collected: 05/28/26 11:35

Matrix: Water

Date Received: 05/28/26 18:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		06/10/26 13:50	1
Dibromofluoromethane (Surr)	94		80 - 120		06/10/26 13:50	1
4-Bromofluorobenzene (Surr)	95		80 - 120		06/10/26 13:50	1
Toluene-d8 (Surr)	96		80 - 120		06/10/26 13:50	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			05/29/26 16:19	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20	0.10	mg/L			06/09/26 16:00	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	3.4		3.3	0.89	ng/L		06/08/26 16:27	06/11/26 02:39	1
Perfluoropentanoic acid (PFPeA)	3.6		1.6	0.49	ng/L		06/08/26 16:27	06/11/26 02:39	1
Perfluorohexanoic acid (PFHxA)	2.8		1.6	0.41	ng/L		06/08/26 16:27	06/11/26 02:39	1
Perfluoroheptanoic acid (PFHpA)	1.7		1.6	0.65	ng/L		06/08/26 16:27	06/11/26 02:39	1
Perfluorooctanoic acid (PFOA)	4.9		1.6	0.73	ng/L		06/08/26 16:27	06/11/26 02:39	1
Perfluorononanoic acid (PFNA)	1.0 J		1.6	0.41	ng/L		06/08/26 16:27	06/11/26 02:39	1
Perfluorodecanoic acid (PFDA)	ND		1.6	0.41	ng/L		06/08/26 16:27	06/11/26 02:39	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.41	ng/L		06/08/26 16:27	06/11/26 02:39	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.41	ng/L		06/08/26 16:27	06/11/26 02:39	1
Perfluorotridecanoic acid (PFTTrDA)	ND		1.6	0.41	ng/L		06/08/26 16:27	06/11/26 02:39	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.6	0.41	ng/L		06/08/26 16:27	06/11/26 02:39	1
Perfluorobutanesulfonic acid (PFBS)	2.6		1.6	0.41	ng/L		06/08/26 16:27	06/11/26 02:39	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.6	0.41	ng/L		06/08/26 16:27	06/11/26 02:39	1
Perfluorohexanesulfonic acid (PFHxS)	1.1 J		1.6	0.65	ng/L		06/08/26 16:27	06/11/26 02:39	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.6	0.41	ng/L		06/08/26 16:27	06/11/26 02:39	1
Perfluorooctanesulfonic acid (PFOS)	3.6		1.6	1.1	ng/L		06/08/26 16:27	06/11/26 02:39	1
Perfluorononanesulfonic acid (PFNS)	ND		1.6	0.41	ng/L		06/08/26 16:27	06/11/26 02:39	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.41	ng/L		06/08/26 16:27	06/11/26 02:39	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.6	0.49	ng/L		06/08/26 16:27	06/11/26 02:39	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.3	0.81	ng/L		06/08/26 16:27	06/11/26 02:39	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		3.3	0.81	ng/L		06/08/26 16:27	06/11/26 02:39	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.3	0.81	ng/L		06/08/26 16:27	06/11/26 02:39	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.6	0.41	ng/L		06/08/26 16:27	06/11/26 02:39	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.6	0.41	ng/L		06/08/26 16:27	06/11/26 02:39	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.6	0.89	ng/L		06/08/26 16:27	06/11/26 02:39	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.6	0.41	ng/L		06/08/26 16:27	06/11/26 02:39	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-57A

Lab Sample ID: 410-285561-1

Date Collected: 05/28/26 11:35

Matrix: Water

Date Received: 05/28/26 18:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.6	0.41	ng/L		06/08/26 16:27	06/11/26 02:39	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.1	3.3	ng/L		06/08/26 16:27	06/11/26 02:39	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.1	3.3	ng/L		06/08/26 16:27	06/11/26 02:39	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.6	1.1	ng/L		06/08/26 16:27	06/11/26 02:39	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	*+ cn	1.6	0.41	ng/L		06/08/26 16:27	06/11/26 02:39	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.6	0.41	ng/L		06/08/26 16:27	06/11/26 02:39	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.6	0.41	ng/L		06/08/26 16:27	06/11/26 02:39	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.6	0.41	ng/L		06/08/26 16:27	06/11/26 02:39	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.6	0.41	ng/L		06/08/26 16:27	06/11/26 02:39	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.6	0.41	ng/L		06/08/26 16:27	06/11/26 02:39	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.6	0.41	ng/L		06/08/26 16:27	06/11/26 02:39	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.3	0.81	ng/L		06/08/26 16:27	06/11/26 02:39	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND	*+ cn	8.1	2.3	ng/L		06/08/26 16:27	06/11/26 02:39	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.1	2.0	ng/L		06/08/26 16:27	06/11/26 02:39	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	89.2		5 - 130	06/08/26 16:27	06/11/26 02:39	1
13C5 PFPeA	88.5	cn	40 - 130	06/08/26 16:27	06/11/26 02:39	1
13C5 PFHxA	97.8	cn	40 - 130	06/08/26 16:27	06/11/26 02:39	1
13C4 PFHpA	97.6	cn	40 - 130	06/08/26 16:27	06/11/26 02:39	1
13C8 PFOA	89.8		40 - 130	06/08/26 16:27	06/11/26 02:39	1
13C9 PFNA	95.2		40 - 130	06/08/26 16:27	06/11/26 02:39	1
13C6 PFDA	86.1		40 - 130	06/08/26 16:27	06/11/26 02:39	1
13C7 PFUnA	85.0		30 - 130	06/08/26 16:27	06/11/26 02:39	1
13C2 PFTeDA	76.6		10 - 130	06/08/26 16:27	06/11/26 02:39	1
13C3 PFBS	88.9		40 - 135	06/08/26 16:27	06/11/26 02:39	1
13C3 PFHxS	93.8		40 - 130	06/08/26 16:27	06/11/26 02:39	1
13C8 PFOS	87.9		40 - 130	06/08/26 16:27	06/11/26 02:39	1
13C8 FOSA	88.4		40 - 130	06/08/26 16:27	06/11/26 02:39	1
d3-NMeFOSAA	103		40 - 170	06/08/26 16:27	06/11/26 02:39	1
d5-NEtFOSAA	95.3		25 - 135	06/08/26 16:27	06/11/26 02:39	1
13C2 4:2 FTS	165		40 - 200	06/08/26 16:27	06/11/26 02:39	1
13C2 6:2 FTS	206	*5+ cn	40 - 200	06/08/26 16:27	06/11/26 02:39	1
13C2 8:2 FTS	168		40 - 300	06/08/26 16:27	06/11/26 02:39	1
13C3 HFPO-DA	88.2		40 - 130	06/08/26 16:27	06/11/26 02:39	1
d7-N-MeFOSE-M	78.3		10 - 130	06/08/26 16:27	06/11/26 02:39	1
d9-N-EtFOSE-M	73.5		10 - 130	06/08/26 16:27	06/11/26 02:39	1
d5-NEtPFOSA	73.5		10 - 130	06/08/26 16:27	06/11/26 02:39	1
d3-NMePFOSA	75.2		10 - 130	06/08/26 16:27	06/11/26 02:39	1
13C2 PFDoA	87.5		10 - 130	06/08/26 16:27	06/11/26 02:39	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-57A

Lab Sample ID: 410-285561-1

Date Collected: 05/28/26 11:35

Matrix: Water

Date Received: 05/28/26 18:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-3:3 FTCA	95.0	cn	20 - 150	06/08/26 16:27	06/11/26 02:39	1
13C3-5:3 FTCA	98.3		20 - 150	06/08/26 16:27	06/11/26 02:39	1
13C3-PFDoS	76.6		20 - 150	06/08/26 16:27	06/11/26 02:39	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.00093	J	0.0021	0.00057	mg/L		06/09/26 04:50	06/09/26 19:02	1
Nickel	0.0011		0.0010	0.00041	mg/L		06/09/26 04:50	06/09/26 19:02	1
Manganese	0.0093		0.0021	0.00098	mg/L		06/09/26 04:50	06/09/26 19:02	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-57B

Lab Sample ID: 410-285561-2

Date Collected: 05/28/26 11:55

Matrix: Water

Date Received: 05/28/26 18:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/10/26 14:10	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/10/26 14:10	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/10/26 14:10	1
Styrene	ND		5.0	0.30	ug/L			06/10/26 14:10	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/10/26 14:10	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/10/26 14:10	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/10/26 14:10	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/10/26 14:10	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/10/26 14:10	1
Toluene	ND		1.0	0.30	ug/L			06/10/26 14:10	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/10/26 14:10	1
Cyclohexane	ND		5.0	1.0	ug/L			06/10/26 14:10	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/10/26 14:10	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/10/26 14:10	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/10/26 14:10	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/10/26 14:10	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/10/26 14:10	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/10/26 14:10	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/10/26 14:10	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/10/26 14:10	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/10/26 14:10	1
2-Hexanone	ND		10	0.85	ug/L			06/10/26 14:10	1
Acetone	ND		20	0.70	ug/L			06/10/26 14:10	1
Chloroform	ND		1.0	0.30	ug/L			06/10/26 14:10	1
Benzene	ND		1.0	0.30	ug/L			06/10/26 14:10	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/10/26 14:10	1
Bromomethane	ND		1.0	0.30	ug/L			06/10/26 14:10	1
Chloromethane	ND		2.0	0.55	ug/L			06/10/26 14:10	1
Chloroethane	ND		1.0	0.30	ug/L			06/10/26 14:10	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/10/26 14:10	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/10/26 14:10	1
Carbon disulfide	0.55	J	5.0	0.30	ug/L			06/10/26 14:10	1
Bromoform	ND		4.0	1.0	ug/L			06/10/26 14:10	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/10/26 14:10	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/10/26 14:10	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/10/26 14:10	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/10/26 14:10	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/10/26 14:10	1
Freon 113	ND		10	0.30	ug/L			06/10/26 14:10	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/10/26 14:10	1
2-Butanone	ND		10	1.0	ug/L			06/10/26 14:10	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/10/26 14:10	1
Trichloroethene	ND		1.0	0.30	ug/L			06/10/26 14:10	1
Methyl acetate	ND		5.0	0.60	ug/L			06/10/26 14:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/10/26 14:10	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/10/26 14:10	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/10/26 14:10	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/10/26 14:10	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-57B

Lab Sample ID: 410-285561-2

Date Collected: 05/28/26 11:55

Matrix: Water

Date Received: 05/28/26 18:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		80 - 120		06/10/26 14:10	1
Dibromofluoromethane (Surr)	94		80 - 120		06/10/26 14:10	1
4-Bromofluorobenzene (Surr)	97		80 - 120		06/10/26 14:10	1
Toluene-d8 (Surr)	97		80 - 120		06/10/26 14:10	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			05/29/26 16:27	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.51		0.20	0.10	mg/L			06/09/26 16:22	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	5.8		3.3	0.90	ng/L		06/08/26 16:27	06/11/26 02:52	1
Perfluoropentanoic acid (PFPeA)	4.7		1.6	0.49	ng/L		06/08/26 16:27	06/11/26 02:52	1
Perfluorohexanoic acid (PFHxA)	4.0		1.6	0.41	ng/L		06/08/26 16:27	06/11/26 02:52	1
Perfluoroheptanoic acid (PFHpA)	2.5		1.6	0.65	ng/L		06/08/26 16:27	06/11/26 02:52	1
Perfluorooctanoic acid (PFOA)	1.7		1.6	0.74	ng/L		06/08/26 16:27	06/11/26 02:52	1
Perfluorononanoic acid (PFNA)	ND	I cn	1.6	0.41	ng/L		06/08/26 16:27	06/11/26 02:52	1
Perfluorodecanoic acid (PFDA)	ND		1.6	0.41	ng/L		06/08/26 16:27	06/11/26 02:52	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.41	ng/L		06/08/26 16:27	06/11/26 02:52	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.41	ng/L		06/08/26 16:27	06/11/26 02:52	1
Perfluorotridecanoic acid (PFTTrDA)	ND		1.6	0.41	ng/L		06/08/26 16:27	06/11/26 02:52	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.6	0.41	ng/L		06/08/26 16:27	06/11/26 02:52	1
Perfluorobutanesulfonic acid (PFBS)	0.56	J	1.6	0.41	ng/L		06/08/26 16:27	06/11/26 02:52	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.6	0.41	ng/L		06/08/26 16:27	06/11/26 02:52	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.6	0.65	ng/L		06/08/26 16:27	06/11/26 02:52	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.6	0.41	ng/L		06/08/26 16:27	06/11/26 02:52	1
Perfluorooctanesulfonic acid (PFOS)	ND	I cn	1.6	1.1	ng/L		06/08/26 16:27	06/11/26 02:52	1
Perfluorononanesulfonic acid (PFNS)	ND		1.6	0.41	ng/L		06/08/26 16:27	06/11/26 02:52	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.41	ng/L		06/08/26 16:27	06/11/26 02:52	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.6	0.49	ng/L		06/08/26 16:27	06/11/26 02:52	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.3	0.82	ng/L		06/08/26 16:27	06/11/26 02:52	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		3.3	0.82	ng/L		06/08/26 16:27	06/11/26 02:52	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.3	0.82	ng/L		06/08/26 16:27	06/11/26 02:52	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.6	0.41	ng/L		06/08/26 16:27	06/11/26 02:52	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.6	0.41	ng/L		06/08/26 16:27	06/11/26 02:52	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.6	0.90	ng/L		06/08/26 16:27	06/11/26 02:52	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.6	0.41	ng/L		06/08/26 16:27	06/11/26 02:52	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.6	0.41	ng/L		06/08/26 16:27	06/11/26 02:52	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-57B

Lab Sample ID: 410-285561-2

Date Collected: 05/28/26 11:55

Matrix: Water

Date Received: 05/28/26 18:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.2	3.3	ng/L		06/08/26 16:27	06/11/26 02:52	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.2	3.3	ng/L		06/08/26 16:27	06/11/26 02:52	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.6	1.1	ng/L		06/08/26 16:27	06/11/26 02:52	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	*+ cn	1.6	0.41	ng/L		06/08/26 16:27	06/11/26 02:52	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.6	0.41	ng/L		06/08/26 16:27	06/11/26 02:52	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.6	0.41	ng/L		06/08/26 16:27	06/11/26 02:52	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.6	0.41	ng/L		06/08/26 16:27	06/11/26 02:52	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		1.6	0.41	ng/L		06/08/26 16:27	06/11/26 02:52	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.6	0.41	ng/L		06/08/26 16:27	06/11/26 02:52	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.6	0.41	ng/L		06/08/26 16:27	06/11/26 02:52	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.3	0.82	ng/L		06/08/26 16:27	06/11/26 02:52	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND	*+ cn	8.2	2.3	ng/L		06/08/26 16:27	06/11/26 02:52	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.2	2.0	ng/L		06/08/26 16:27	06/11/26 02:52	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	81.8		5 - 130	06/08/26 16:27	06/11/26 02:52	1
13C5 PFPeA	83.4	cn	40 - 130	06/08/26 16:27	06/11/26 02:52	1
13C5 PFHxA	87.8	cn	40 - 130	06/08/26 16:27	06/11/26 02:52	1
13C4 PFHpA	87.5	cn	40 - 130	06/08/26 16:27	06/11/26 02:52	1
13C8 PFOA	76.3		40 - 130	06/08/26 16:27	06/11/26 02:52	1
13C9 PFNA	72.3		40 - 130	06/08/26 16:27	06/11/26 02:52	1
13C6 PFDA	65.7		40 - 130	06/08/26 16:27	06/11/26 02:52	1
13C7 PFUnA	57.9		30 - 130	06/08/26 16:27	06/11/26 02:52	1
13C2 PFTeDA	21.3		10 - 130	06/08/26 16:27	06/11/26 02:52	1
13C3 PFBS	79.3		40 - 135	06/08/26 16:27	06/11/26 02:52	1
13C3 PFHxS	72.9		40 - 130	06/08/26 16:27	06/11/26 02:52	1
13C8 PFOS	62.1		40 - 130	06/08/26 16:27	06/11/26 02:52	1
13C8 FOSA	58.4		40 - 130	06/08/26 16:27	06/11/26 02:52	1
d3-NMeFOSAA	63.4		40 - 170	06/08/26 16:27	06/11/26 02:52	1
d5-NEtFOSAA	60.4		25 - 135	06/08/26 16:27	06/11/26 02:52	1
13C2 4:2 FTS	158		40 - 200	06/08/26 16:27	06/11/26 02:52	1
13C2 6:2 FTS	146		40 - 200	06/08/26 16:27	06/11/26 02:52	1
13C2 8:2 FTS	108		40 - 300	06/08/26 16:27	06/11/26 02:52	1
13C3 HFPO-DA	80.1		40 - 130	06/08/26 16:27	06/11/26 02:52	1
d7-N-MeFOSE-M	31.3		10 - 130	06/08/26 16:27	06/11/26 02:52	1
d9-N-EtFOSE-M	28.4		10 - 130	06/08/26 16:27	06/11/26 02:52	1
d5-NEtPFOSA	19.7		10 - 130	06/08/26 16:27	06/11/26 02:52	1
d3-NMePFOSA	24.5		10 - 130	06/08/26 16:27	06/11/26 02:52	1
13C2 PFDaA	44.5		10 - 130	06/08/26 16:27	06/11/26 02:52	1
13C3-3:3 FTCA	95.8	cn	20 - 150	06/08/26 16:27	06/11/26 02:52	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-57B

Lab Sample ID: 410-285561-2

Date Collected: 05/28/26 11:55

Matrix: Water

Date Received: 05/28/26 18:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-5:3 FTCA	80.9		20 - 150	06/08/26 16:27	06/11/26 02:52	1
13C3-PFDoS	21.9		20 - 150	06/08/26 16:27	06/11/26 02:52	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0021	0.00057	mg/L		06/09/26 04:50	06/09/26 19:04	1
Nickel	0.00076	J	0.0010	0.00041	mg/L		06/09/26 04:50	06/09/26 19:04	1
Manganese	0.0027		0.0021	0.00098	mg/L		06/09/26 04:50	06/09/26 19:04	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-57C

Lab Sample ID: 410-285561-3

Date Collected: 05/28/26 12:15

Matrix: Water

Date Received: 05/28/26 18:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/10/26 14:29	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/10/26 14:29	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/10/26 14:29	1
Styrene	ND		5.0	0.30	ug/L			06/10/26 14:29	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/10/26 14:29	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/10/26 14:29	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/10/26 14:29	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/10/26 14:29	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/10/26 14:29	1
Toluene	ND		1.0	0.30	ug/L			06/10/26 14:29	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/10/26 14:29	1
Cyclohexane	ND		5.0	1.0	ug/L			06/10/26 14:29	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/10/26 14:29	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/10/26 14:29	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/10/26 14:29	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/10/26 14:29	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/10/26 14:29	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/10/26 14:29	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/10/26 14:29	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/10/26 14:29	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/10/26 14:29	1
2-Hexanone	ND		10	0.85	ug/L			06/10/26 14:29	1
Acetone	ND		20	0.70	ug/L			06/10/26 14:29	1
Chloroform	ND		1.0	0.30	ug/L			06/10/26 14:29	1
Benzene	ND		1.0	0.30	ug/L			06/10/26 14:29	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/10/26 14:29	1
Bromomethane	ND		1.0	0.30	ug/L			06/10/26 14:29	1
Chloromethane	ND		2.0	0.55	ug/L			06/10/26 14:29	1
Chloroethane	ND		1.0	0.30	ug/L			06/10/26 14:29	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/10/26 14:29	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/10/26 14:29	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/10/26 14:29	1
Bromoform	ND		4.0	1.0	ug/L			06/10/26 14:29	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/10/26 14:29	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/10/26 14:29	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/10/26 14:29	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/10/26 14:29	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/10/26 14:29	1
Freon 113	ND		10	0.30	ug/L			06/10/26 14:29	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/10/26 14:29	1
2-Butanone	ND		10	1.0	ug/L			06/10/26 14:29	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/10/26 14:29	1
Trichloroethene	ND		1.0	0.30	ug/L			06/10/26 14:29	1
Methyl acetate	ND		5.0	0.60	ug/L			06/10/26 14:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/10/26 14:29	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/10/26 14:29	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/10/26 14:29	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/10/26 14:29	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-57C

Lab Sample ID: 410-285561-3

Date Collected: 05/28/26 12:15

Matrix: Water

Date Received: 05/28/26 18:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		06/10/26 14:29	1
Dibromofluoromethane (Surr)	95		80 - 120		06/10/26 14:29	1
4-Bromofluorobenzene (Surr)	96		80 - 120		06/10/26 14:29	1
Toluene-d8 (Surr)	96		80 - 120		06/10/26 14:29	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			05/29/26 16:34	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.87		0.20	0.10	mg/L			06/09/26 16:45	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.2		3.3	0.91	ng/L		06/09/26 07:04	06/10/26 08:55	1
Perfluoropentanoic acid (PFPeA)	5.2		1.7	0.50	ng/L		06/09/26 07:04	06/10/26 08:55	1
Perfluorohexanoic acid (PFHxA)	6.0		1.7	0.42	ng/L		06/09/26 07:04	06/10/26 08:55	1
Perfluoroheptanoic acid (PFHpA)	3.3		1.7	0.66	ng/L		06/09/26 07:04	06/10/26 08:55	1
Perfluorooctanoic acid (PFOA)	8.0		1.7	0.75	ng/L		06/09/26 07:04	06/10/26 08:55	1
Perfluorononanoic acid (PFNA)	2.2		1.7	0.42	ng/L		06/09/26 07:04	06/10/26 08:55	1
Perfluorodecanoic acid (PFDA)	0.77 J		1.7	0.42	ng/L		06/09/26 07:04	06/10/26 08:55	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.42	ng/L		06/09/26 07:04	06/10/26 08:55	1
Perfluorododecanoic acid (PFDoA)	ND		1.7	0.42	ng/L		06/09/26 07:04	06/10/26 08:55	1
Perfluorotridecanoic acid (PFTTrDA)	ND		1.7	0.42	ng/L		06/09/26 07:04	06/10/26 08:55	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.7	0.42	ng/L		06/09/26 07:04	06/10/26 08:55	1
Perfluorobutanesulfonic acid (PFBS)	1.7		1.7	0.42	ng/L		06/09/26 07:04	06/10/26 08:55	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.7	0.42	ng/L		06/09/26 07:04	06/10/26 08:55	1
Perfluorohexanesulfonic acid (PFHxS)	1.6 J		1.7	0.66	ng/L		06/09/26 07:04	06/10/26 08:55	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.7	0.42	ng/L		06/09/26 07:04	06/10/26 08:55	1
Perfluorooctanesulfonic acid (PFOS)	5.0		1.7	1.1	ng/L		06/09/26 07:04	06/10/26 08:55	1
Perfluorononanesulfonic acid (PFNS)	ND		1.7	0.42	ng/L		06/09/26 07:04	06/10/26 08:55	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.42	ng/L		06/09/26 07:04	06/10/26 08:55	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.7	0.50	ng/L		06/09/26 07:04	06/10/26 08:55	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.3	0.83	ng/L		06/09/26 07:04	06/10/26 08:55	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		3.3	0.83	ng/L		06/09/26 07:04	06/10/26 08:55	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.3	0.83	ng/L		06/09/26 07:04	06/10/26 08:55	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.7	0.42	ng/L		06/09/26 07:04	06/10/26 08:55	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.7	0.42	ng/L		06/09/26 07:04	06/10/26 08:55	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.7	0.91	ng/L		06/09/26 07:04	06/10/26 08:55	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.7	0.42	ng/L		06/09/26 07:04	06/10/26 08:55	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-57C

Lab Sample ID: 410-285561-3

Date Collected: 05/28/26 12:15

Matrix: Water

Date Received: 05/28/26 18:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.7	0.42	ng/L		06/09/26 07:04	06/10/26 08:55	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.3	3.3	ng/L		06/09/26 07:04	06/10/26 08:55	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.3	3.3	ng/L		06/09/26 07:04	06/10/26 08:55	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.7	1.2	ng/L		06/09/26 07:04	06/10/26 08:55	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.7	0.42	ng/L		06/09/26 07:04	06/10/26 08:55	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.7	0.42	ng/L		06/09/26 07:04	06/10/26 08:55	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.7	0.42	ng/L		06/09/26 07:04	06/10/26 08:55	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.7	0.42	ng/L		06/09/26 07:04	06/10/26 08:55	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.7	0.42	ng/L		06/09/26 07:04	06/10/26 08:55	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.7	0.42	ng/L		06/09/26 07:04	06/10/26 08:55	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.7	0.42	ng/L		06/09/26 07:04	06/10/26 08:55	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.3	0.83	ng/L		06/09/26 07:04	06/10/26 08:55	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		8.3	2.3	ng/L		06/09/26 07:04	06/10/26 08:55	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.3	2.1	ng/L		06/09/26 07:04	06/10/26 08:55	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	87.2		5 - 130	06/09/26 07:04	06/10/26 08:55	1
13C5 PFPeA	95.5		40 - 130	06/09/26 07:04	06/10/26 08:55	1
13C5 PFHxA	86.5		40 - 130	06/09/26 07:04	06/10/26 08:55	1
13C4 PFHpA	89.7		40 - 130	06/09/26 07:04	06/10/26 08:55	1
13C8 PFOA	84.5		40 - 130	06/09/26 07:04	06/10/26 08:55	1
13C9 PFNA	84.2		40 - 130	06/09/26 07:04	06/10/26 08:55	1
13C6 PFDA	78.6		40 - 130	06/09/26 07:04	06/10/26 08:55	1
13C7 PFUnA	74.9		30 - 130	06/09/26 07:04	06/10/26 08:55	1
13C2 PFTeDA	49.8		10 - 130	06/09/26 07:04	06/10/26 08:55	1
13C3 PFBS	83.6		40 - 135	06/09/26 07:04	06/10/26 08:55	1
13C3 PFHxS	87.7		40 - 130	06/09/26 07:04	06/10/26 08:55	1
13C8 PFOS	79.0		40 - 130	06/09/26 07:04	06/10/26 08:55	1
13C8 FOSA	70.1		40 - 130	06/09/26 07:04	06/10/26 08:55	1
d3-NMeFOSAA	82.1		40 - 170	06/09/26 07:04	06/10/26 08:55	1
d5-NEtFOSAA	72.3		25 - 135	06/09/26 07:04	06/10/26 08:55	1
13C2 4:2 FTS	87.6		40 - 200	06/09/26 07:04	06/10/26 08:55	1
13C2 6:2 FTS	92.2		40 - 200	06/09/26 07:04	06/10/26 08:55	1
13C2 8:2 FTS	94.1		40 - 300	06/09/26 07:04	06/10/26 08:55	1
13C3 HFPO-DA	87.7		40 - 130	06/09/26 07:04	06/10/26 08:55	1
d7-N-MeFOSE-M	41.5		10 - 130	06/09/26 07:04	06/10/26 08:55	1
d9-N-EtFOSE-M	40.2		10 - 130	06/09/26 07:04	06/10/26 08:55	1
d5-NEtPFOSA	54.0		10 - 130	06/09/26 07:04	06/10/26 08:55	1
d3-NMePFOSA	59.1		10 - 130	06/09/26 07:04	06/10/26 08:55	1
13C2 PFDaA	62.8		10 - 130	06/09/26 07:04	06/10/26 08:55	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-57C

Lab Sample ID: 410-285561-3

Date Collected: 05/28/26 12:15

Matrix: Water

Date Received: 05/28/26 18:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-3:3 FTCA	142	^c cn	20 - 150	06/09/26 07:04	06/10/26 08:55	1
13C3-5:3 FTCA	92.0		20 - 150	06/09/26 07:04	06/10/26 08:55	1
13C3-PFDoS	58.1		20 - 150	06/09/26 07:04	06/10/26 08:55	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0021	0.00057	mg/L		06/09/26 04:50	06/09/26 19:06	1
Nickel	0.0012		0.0010	0.00041	mg/L		06/09/26 04:50	06/09/26 19:06	1
Manganese	0.0057		0.0021	0.00098	mg/L		06/09/26 04:50	06/09/26 19:06	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-78A

Lab Sample ID: 410-285561-4

Date Collected: 05/28/26 13:30

Matrix: Water

Date Received: 05/28/26 18:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		10	5.0	ug/L			06/10/26 17:25	10
trans-1,3-Dichloropropene	ND		10	2.0	ug/L			06/10/26 17:25	10
Ethylbenzene	ND		10	4.0	ug/L			06/10/26 17:25	10
Styrene	ND		50	3.0	ug/L			06/10/26 17:25	10
1,4-Dichlorobenzene	ND		50	3.0	ug/L			06/10/26 17:25	10
1,2-Dibromoethane	ND		10	2.0	ug/L			06/10/26 17:25	10
1,2-Dichloroethane	ND		10	3.0	ug/L			06/10/26 17:25	10
4-Methyl-2-pentanone	ND		100	5.0	ug/L			06/10/26 17:25	10
Methylcyclohexane	ND		50	5.0	ug/L			06/10/26 17:25	10
Toluene	ND		10	3.0	ug/L			06/10/26 17:25	10
Chlorobenzene	ND		10	3.0	ug/L			06/10/26 17:25	10
Cyclohexane	ND		50	10	ug/L			06/10/26 17:25	10
1,2,4-Trichlorobenzene	ND		50	3.0	ug/L			06/10/26 17:25	10
Dibromochloromethane	ND		10	2.0	ug/L			06/10/26 17:25	10
Xylenes, Total	ND		10	4.0	ug/L			06/10/26 17:25	10
Tetrachloroethene	ND		10	3.0	ug/L			06/10/26 17:25	10
cis-1,2-Dichloroethene	530		10	3.0	ug/L			06/10/26 17:25	10
trans-1,2-Dichloroethene	ND		20	7.0	ug/L			06/10/26 17:25	10
Methyl tertiary butyl ether	ND		10	2.0	ug/L			06/10/26 17:25	10
1,3-Dichlorobenzene	ND		50	6.8	ug/L			06/10/26 17:25	10
Carbon tetrachloride	ND		10	3.0	ug/L			06/10/26 17:25	10
2-Hexanone	ND		100	8.5	ug/L			06/10/26 17:25	10
Acetone	ND		200	7.0	ug/L			06/10/26 17:25	10
Chloroform	ND		10	3.0	ug/L			06/10/26 17:25	10
Benzene	ND		10	3.0	ug/L			06/10/26 17:25	10
1,1,1-Trichloroethane	63		10	3.0	ug/L			06/10/26 17:25	10
Bromomethane	ND		10	3.0	ug/L			06/10/26 17:25	10
Chloromethane	ND		20	5.5	ug/L			06/10/26 17:25	10
Chloroethane	ND		10	3.0	ug/L			06/10/26 17:25	10
Vinyl chloride	47		10	3.0	ug/L			06/10/26 17:25	10
Methylene Chloride	ND		10	3.0	ug/L			06/10/26 17:25	10
Carbon disulfide	ND		50	3.0	ug/L			06/10/26 17:25	10
Bromoform	ND		40	10	ug/L			06/10/26 17:25	10
Bromodichloromethane	ND		10	2.0	ug/L			06/10/26 17:25	10
1,1-Dichloroethane	20		10	3.0	ug/L			06/10/26 17:25	10
1,1-Dichloroethene	ND		10	3.0	ug/L			06/10/26 17:25	10
Trichlorofluoromethane	ND		10	3.0	ug/L			06/10/26 17:25	10
Dichlorodifluoromethane	ND		10	3.0	ug/L			06/10/26 17:25	10
Freon 113	ND		100	3.0	ug/L			06/10/26 17:25	10
1,2-Dichloropropane	ND		10	3.0	ug/L			06/10/26 17:25	10
2-Butanone	ND		100	10	ug/L			06/10/26 17:25	10
1,1,2-Trichloroethane	ND		10	3.0	ug/L			06/10/26 17:25	10
Trichloroethene	44		10	3.0	ug/L			06/10/26 17:25	10
Methyl acetate	ND		50	6.0	ug/L			06/10/26 17:25	10
1,1,2,2-Tetrachloroethane	ND		10	3.0	ug/L			06/10/26 17:25	10
1,2-Dichlorobenzene	ND		50	2.0	ug/L			06/10/26 17:25	10
1,2-Dibromo-3-Chloropropane	ND		50	3.0	ug/L			06/10/26 17:25	10
Isopropylbenzene	ND		50	3.0	ug/L			06/10/26 17:25	10

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-78A

Lab Sample ID: 410-285561-4

Date Collected: 05/28/26 13:30

Matrix: Water

Date Received: 05/28/26 18:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		80 - 120		06/10/26 17:25	10
Dibromofluoromethane (Surr)	94		80 - 120		06/10/26 17:25	10
4-Bromofluorobenzene (Surr)	96		80 - 120		06/10/26 17:25	10
Toluene-d8 (Surr)	96		80 - 120		06/10/26 17:25	10

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			05/29/26 16:42	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.12	J	0.20	0.10	mg/L			06/09/26 17:08	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	88		3.3	0.91	ng/L		06/09/26 07:04	06/10/26 09:08	1
Perfluoropentanoic acid (PFPeA)	280		1.6	0.49	ng/L		06/09/26 07:04	06/10/26 09:08	1
Perfluorohexanoic acid (PFHxA)	200		1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:08	1
Perfluoroheptanoic acid (PFHpA)	170		1.6	0.66	ng/L		06/09/26 07:04	06/10/26 09:08	1
Perfluorooctanoic acid (PFOA)	160		1.6	0.74	ng/L		06/09/26 07:04	06/10/26 09:08	1
Perfluorononanoic acid (PFNA)	40		1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:08	1
Perfluorodecanoic acid (PFDA)	1.0	J	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:08	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:08	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:08	1
Perfluorotridecanoic acid (PFTTrDA)	ND		1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:08	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:08	1
Perfluorobutanesulfonic acid (PFBS)	0.74	J	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:08	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:08	1
Perfluorohexanesulfonic acid (PFHxS)	1.0	J	1.6	0.66	ng/L		06/09/26 07:04	06/10/26 09:08	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:08	1
Perfluorooctanesulfonic acid (PFOS)	5.4		1.6	1.1	ng/L		06/09/26 07:04	06/10/26 09:08	1
Perfluorononanesulfonic acid (PFNS)	ND		1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:08	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:08	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.6	0.49	ng/L		06/09/26 07:04	06/10/26 09:08	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	2.9	J	3.3	0.82	ng/L		06/09/26 07:04	06/10/26 09:08	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	350		3.3	0.82	ng/L		06/09/26 07:04	06/10/26 09:08	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	64		3.3	0.82	ng/L		06/09/26 07:04	06/10/26 09:08	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:08	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:08	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.6	0.91	ng/L		06/09/26 07:04	06/10/26 09:08	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:08	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-78A

Lab Sample ID: 410-285561-4

Date Collected: 05/28/26 13:30

Matrix: Water

Date Received: 05/28/26 18:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:08	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.2	3.3	ng/L		06/09/26 07:04	06/10/26 09:08	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.2	3.3	ng/L		06/09/26 07:04	06/10/26 09:08	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.6	1.2	ng/L		06/09/26 07:04	06/10/26 09:08	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:08	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:08	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:08	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:08	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:08	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:08	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:08	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	1.1	J	3.3	0.82	ng/L		06/09/26 07:04	06/10/26 09:08	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	6.0	J	8.2	2.3	ng/L		06/09/26 07:04	06/10/26 09:08	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.2	2.1	ng/L		06/09/26 07:04	06/10/26 09:08	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	88.8		5 - 130	06/09/26 07:04	06/10/26 09:08	1
13C5 PFPeA	84.0		40 - 130	06/09/26 07:04	06/10/26 09:08	1
13C5 PFHxA	85.1		40 - 130	06/09/26 07:04	06/10/26 09:08	1
13C4 PFHpA	83.8		40 - 130	06/09/26 07:04	06/10/26 09:08	1
13C8 PFOA	77.1		40 - 130	06/09/26 07:04	06/10/26 09:08	1
13C9 PFNA	74.5		40 - 130	06/09/26 07:04	06/10/26 09:08	1
13C6 PFDA	66.6		40 - 130	06/09/26 07:04	06/10/26 09:08	1
13C7 PFUnA	64.1		30 - 130	06/09/26 07:04	06/10/26 09:08	1
13C2 PFTeDA	48.0		10 - 130	06/09/26 07:04	06/10/26 09:08	1
13C3 PFBS	89.5		40 - 135	06/09/26 07:04	06/10/26 09:08	1
13C3 PFHxS	79.4		40 - 130	06/09/26 07:04	06/10/26 09:08	1
13C8 PFOS	67.9		40 - 130	06/09/26 07:04	06/10/26 09:08	1
13C8 FOSA	68.6		40 - 130	06/09/26 07:04	06/10/26 09:08	1
d3-NMeFOSAA	58.7		40 - 170	06/09/26 07:04	06/10/26 09:08	1
d5-NEtFOSAA	59.0		25 - 135	06/09/26 07:04	06/10/26 09:08	1
13C2 4:2 FTS	79.2		40 - 200	06/09/26 07:04	06/10/26 09:08	1
13C2 6:2 FTS	71.8		40 - 200	06/09/26 07:04	06/10/26 09:08	1
13C2 8:2 FTS	63.2		40 - 300	06/09/26 07:04	06/10/26 09:08	1
13C3 HFPO-DA	88.5		40 - 130	06/09/26 07:04	06/10/26 09:08	1
d7-N-MeFOSE-M	42.6		10 - 130	06/09/26 07:04	06/10/26 09:08	1
d9-N-EtFOSE-M	40.1		10 - 130	06/09/26 07:04	06/10/26 09:08	1
d5-NEtPFOSA	57.5		10 - 130	06/09/26 07:04	06/10/26 09:08	1
d3-NMePFOSA	60.1		10 - 130	06/09/26 07:04	06/10/26 09:08	1
13C2 PFDoA	59.6		10 - 130	06/09/26 07:04	06/10/26 09:08	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-78A

Lab Sample ID: 410-285561-4

Date Collected: 05/28/26 13:30

Matrix: Water

Date Received: 05/28/26 18:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-3:3 FTCA	135	^c cn	20 - 150	06/09/26 07:04	06/10/26 09:08	1
13C3-5:3 FTCA	86.7		20 - 150	06/09/26 07:04	06/10/26 09:08	1
13C3-PFDoS	57.5		20 - 150	06/09/26 07:04	06/10/26 09:08	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0021	0.00057	mg/L		06/09/26 04:50	06/09/26 19:08	1
Nickel	0.0010		0.0010	0.00041	mg/L		06/09/26 04:50	06/09/26 19:08	1
Manganese	0.87		0.0021	0.00098	mg/L		06/09/26 04:50	06/09/26 19:08	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-78B

Lab Sample ID: 410-285561-5

Date Collected: 05/28/26 13:55

Matrix: Water

Date Received: 05/28/26 18:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		250	130	ug/L			06/10/26 18:04	250
trans-1,3-Dichloropropene	ND		250	50	ug/L			06/10/26 18:04	250
Ethylbenzene	ND		250	100	ug/L			06/10/26 18:04	250
Styrene	ND		1300	75	ug/L			06/10/26 18:04	250
1,4-Dichlorobenzene	ND		1300	75	ug/L			06/10/26 18:04	250
1,2-Dibromoethane	ND		250	50	ug/L			06/10/26 18:04	250
1,2-Dichloroethane	ND		250	75	ug/L			06/10/26 18:04	250
4-Methyl-2-pentanone	ND		2500	130	ug/L			06/10/26 18:04	250
Methylcyclohexane	ND		1300	130	ug/L			06/10/26 18:04	250
Toluene	ND		250	75	ug/L			06/10/26 18:04	250
Chlorobenzene	ND		250	75	ug/L			06/10/26 18:04	250
Cyclohexane	ND		1300	250	ug/L			06/10/26 18:04	250
1,2,4-Trichlorobenzene	ND		1300	75	ug/L			06/10/26 18:04	250
Dibromochloromethane	ND		250	50	ug/L			06/10/26 18:04	250
Xylenes, Total	ND		250	100	ug/L			06/10/26 18:04	250
Tetrachloroethene	83	J	250	75	ug/L			06/10/26 18:04	250
cis-1,2-Dichloroethene	13000		250	75	ug/L			06/10/26 18:04	250
trans-1,2-Dichloroethene	ND		500	180	ug/L			06/10/26 18:04	250
Methyl tertiary butyl ether	ND		250	50	ug/L			06/10/26 18:04	250
1,3-Dichlorobenzene	ND		1300	170	ug/L			06/10/26 18:04	250
Carbon tetrachloride	ND		250	75	ug/L			06/10/26 18:04	250
2-Hexanone	ND		2500	210	ug/L			06/10/26 18:04	250
Acetone	ND		5000	180	ug/L			06/10/26 18:04	250
Chloroform	ND		250	75	ug/L			06/10/26 18:04	250
Benzene	ND		250	75	ug/L			06/10/26 18:04	250
1,1,1-Trichloroethane	11000		250	75	ug/L			06/10/26 18:04	250
Bromomethane	ND		250	75	ug/L			06/10/26 18:04	250
Chloromethane	ND		500	140	ug/L			06/10/26 18:04	250
Chloroethane	ND		250	75	ug/L			06/10/26 18:04	250
Vinyl chloride	11000		250	75	ug/L			06/10/26 18:04	250
Methylene Chloride	ND		250	75	ug/L			06/10/26 18:04	250
Carbon disulfide	ND		1300	75	ug/L			06/10/26 18:04	250
Bromoform	ND		1000	250	ug/L			06/10/26 18:04	250
Bromodichloromethane	ND		250	50	ug/L			06/10/26 18:04	250
1,1-Dichloroethane	2600		250	75	ug/L			06/10/26 18:04	250
1,1-Dichloroethene	210	J	250	75	ug/L			06/10/26 18:04	250
Trichlorofluoromethane	ND		250	75	ug/L			06/10/26 18:04	250
Dichlorodifluoromethane	ND		250	75	ug/L			06/10/26 18:04	250
Freon 113	ND		2500	75	ug/L			06/10/26 18:04	250
1,2-Dichloropropane	ND		250	75	ug/L			06/10/26 18:04	250
2-Butanone	ND		2500	250	ug/L			06/10/26 18:04	250
1,1,2-Trichloroethane	ND		250	75	ug/L			06/10/26 18:04	250
Trichloroethene	67000		250	75	ug/L			06/10/26 18:04	250
Methyl acetate	ND		1300	150	ug/L			06/10/26 18:04	250
1,1,2,2-Tetrachloroethane	ND		250	75	ug/L			06/10/26 18:04	250
1,2-Dichlorobenzene	ND		1300	50	ug/L			06/10/26 18:04	250
1,2-Dibromo-3-Chloropropane	ND		1300	75	ug/L			06/10/26 18:04	250
Isopropylbenzene	ND		1300	75	ug/L			06/10/26 18:04	250

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-78B

Lab Sample ID: 410-285561-5

Date Collected: 05/28/26 13:55

Matrix: Water

Date Received: 05/28/26 18:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120		06/10/26 18:04	250
Dibromofluoromethane (Surr)	99		80 - 120		06/10/26 18:04	250
4-Bromofluorobenzene (Surr)	97		80 - 120		06/10/26 18:04	250
Toluene-d8 (Surr)	98		80 - 120		06/10/26 18:04	250

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			05/29/26 16:49	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.19	J	0.20	0.10	mg/L			06/09/26 17:31	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	85		3.4	0.93	ng/L		06/09/26 07:04	06/10/26 09:22	1
Perfluoropentanoic acid (PFPeA)	290		1.7	0.51	ng/L		06/09/26 07:04	06/10/26 09:22	1
Perfluorohexanoic acid (PFHxA)	180		1.7	0.42	ng/L		06/09/26 07:04	06/10/26 09:22	1
Perfluoroheptanoic acid (PFHpA)	150		1.7	0.68	ng/L		06/09/26 07:04	06/10/26 09:22	1
Perfluorooctanoic acid (PFOA)	130		1.7	0.76	ng/L		06/09/26 07:04	06/10/26 09:22	1
Perfluorononanoic acid (PFNA)	24		1.7	0.42	ng/L		06/09/26 07:04	06/10/26 09:22	1
Perfluorodecanoic acid (PFDA)	1.8		1.7	0.42	ng/L		06/09/26 07:04	06/10/26 09:22	1
Perfluoroundecanoic acid (PFUnA)	0.74	J	1.7	0.42	ng/L		06/09/26 07:04	06/10/26 09:22	1
Perfluorododecanoic acid (PFDoA)	ND		1.7	0.42	ng/L		06/09/26 07:04	06/10/26 09:22	1
Perfluorotridecanoic acid (PFTrDA)	ND		1.7	0.42	ng/L		06/09/26 07:04	06/10/26 09:22	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.7	0.42	ng/L		06/09/26 07:04	06/10/26 09:22	1
Perfluorobutanesulfonic acid (PFBS)	0.78	J	1.7	0.42	ng/L		06/09/26 07:04	06/10/26 09:22	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.7	0.42	ng/L		06/09/26 07:04	06/10/26 09:22	1
Perfluorohexanesulfonic acid (PFHxS)	1.3	J	1.7	0.68	ng/L		06/09/26 07:04	06/10/26 09:22	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.7	0.42	ng/L		06/09/26 07:04	06/10/26 09:22	1
Perfluorooctanesulfonic acid (PFOS)	4.2		1.7	1.1	ng/L		06/09/26 07:04	06/10/26 09:22	1
Perfluorononanesulfonic acid (PFNS)	ND		1.7	0.42	ng/L		06/09/26 07:04	06/10/26 09:22	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.42	ng/L		06/09/26 07:04	06/10/26 09:22	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.7	0.51	ng/L		06/09/26 07:04	06/10/26 09:22	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	4.9		3.4	0.84	ng/L		06/09/26 07:04	06/10/26 09:22	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	380		3.4	0.84	ng/L		06/09/26 07:04	06/10/26 09:22	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	22		3.4	0.84	ng/L		06/09/26 07:04	06/10/26 09:22	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.7	0.42	ng/L		06/09/26 07:04	06/10/26 09:22	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.7	0.42	ng/L		06/09/26 07:04	06/10/26 09:22	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.7	0.93	ng/L		06/09/26 07:04	06/10/26 09:22	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.7	0.42	ng/L		06/09/26 07:04	06/10/26 09:22	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-78B

Lab Sample ID: 410-285561-5

Date Collected: 05/28/26 13:55

Matrix: Water

Date Received: 05/28/26 18:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.7	0.42	ng/L		06/09/26 07:04	06/10/26 09:22	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.4	3.4	ng/L		06/09/26 07:04	06/10/26 09:22	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.4	3.4	ng/L		06/09/26 07:04	06/10/26 09:22	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.7	1.2	ng/L		06/09/26 07:04	06/10/26 09:22	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.7	0.42	ng/L		06/09/26 07:04	06/10/26 09:22	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.7	0.42	ng/L		06/09/26 07:04	06/10/26 09:22	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.7	0.42	ng/L		06/09/26 07:04	06/10/26 09:22	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.7	0.42	ng/L		06/09/26 07:04	06/10/26 09:22	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.7	0.42	ng/L		06/09/26 07:04	06/10/26 09:22	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.7	0.42	ng/L		06/09/26 07:04	06/10/26 09:22	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.7	0.42	ng/L		06/09/26 07:04	06/10/26 09:22	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.4	0.84	ng/L		06/09/26 07:04	06/10/26 09:22	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	7.0 J		8.4	2.4	ng/L		06/09/26 07:04	06/10/26 09:22	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.4	2.1	ng/L		06/09/26 07:04	06/10/26 09:22	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	87.2		5 - 130	06/09/26 07:04	06/10/26 09:22	1
13C5 PFPeA	88.4		40 - 130	06/09/26 07:04	06/10/26 09:22	1
13C5 PFHxA	84.7		40 - 130	06/09/26 07:04	06/10/26 09:22	1
13C4 PFHpA	81.2		40 - 130	06/09/26 07:04	06/10/26 09:22	1
13C8 PFOA	71.2		40 - 130	06/09/26 07:04	06/10/26 09:22	1
13C9 PFNA	66.8		40 - 130	06/09/26 07:04	06/10/26 09:22	1
13C6 PFDA	62.5		40 - 130	06/09/26 07:04	06/10/26 09:22	1
13C7 PFUnA	59.9		30 - 130	06/09/26 07:04	06/10/26 09:22	1
13C2 PFTeDA	55.1		10 - 130	06/09/26 07:04	06/10/26 09:22	1
13C3 PFBS	82.4		40 - 135	06/09/26 07:04	06/10/26 09:22	1
13C3 PFHxS	76.1		40 - 130	06/09/26 07:04	06/10/26 09:22	1
13C8 PFOS	63.7		40 - 130	06/09/26 07:04	06/10/26 09:22	1
13C8 FOSA	60.2		40 - 130	06/09/26 07:04	06/10/26 09:22	1
d3-NMeFOSAA	52.5		40 - 170	06/09/26 07:04	06/10/26 09:22	1
d5-NEtFOSAA	55.1		25 - 135	06/09/26 07:04	06/10/26 09:22	1
13C2 4:2 FTS	77.1		40 - 200	06/09/26 07:04	06/10/26 09:22	1
13C2 6:2 FTS	67.3		40 - 200	06/09/26 07:04	06/10/26 09:22	1
13C2 8:2 FTS	66.3		40 - 300	06/09/26 07:04	06/10/26 09:22	1
13C3 HFPO-DA	83.8		40 - 130	06/09/26 07:04	06/10/26 09:22	1
d7-N-MeFOSE-M	38.9		10 - 130	06/09/26 07:04	06/10/26 09:22	1
d9-N-EtFOSE-M	40.5		10 - 130	06/09/26 07:04	06/10/26 09:22	1
d5-NEtPFOSA	52.9		10 - 130	06/09/26 07:04	06/10/26 09:22	1
d3-NMePFOSA	54.0		10 - 130	06/09/26 07:04	06/10/26 09:22	1
13C2 PFDaA	59.1		10 - 130	06/09/26 07:04	06/10/26 09:22	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-78B

Lab Sample ID: 410-285561-5

Date Collected: 05/28/26 13:55

Matrix: Water

Date Received: 05/28/26 18:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-3:3 FTCA	151	^c *5+ cn	20 - 150	06/09/26 07:04	06/10/26 09:22	1
13C3-5:3 FTCA	83.7		20 - 150	06/09/26 07:04	06/10/26 09:22	1
13C3-PFDoS	51.4		20 - 150	06/09/26 07:04	06/10/26 09:22	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0021	0.00057	mg/L		06/09/26 04:50	06/09/26 19:18	1
Nickel	0.00075	J	0.0010	0.00041	mg/L		06/09/26 04:50	06/09/26 19:18	1
Manganese	0.15		0.0021	0.00098	mg/L		06/09/26 04:50	06/09/26 19:18	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-78C

Lab Sample ID: 410-285561-6

Date Collected: 05/28/26 14:15

Matrix: Water

Date Received: 05/28/26 18:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1000	500	ug/L			06/11/26 04:27	1000
trans-1,3-Dichloropropene	ND		1000	200	ug/L			06/11/26 04:27	1000
Ethylbenzene	ND		1000	400	ug/L			06/11/26 04:27	1000
Styrene	ND		5000	300	ug/L			06/11/26 04:27	1000
1,4-Dichlorobenzene	ND		5000	300	ug/L			06/11/26 04:27	1000
1,2-Dibromoethane	ND		1000	200	ug/L			06/11/26 04:27	1000
1,2-Dichloroethane	ND		1000	300	ug/L			06/11/26 04:27	1000
4-Methyl-2-pentanone	ND	^c cn	10000	500	ug/L			06/11/26 04:27	1000
Methylcyclohexane	ND		5000	500	ug/L			06/11/26 04:27	1000
Toluene	ND		1000	300	ug/L			06/11/26 04:27	1000
Chlorobenzene	ND		1000	300	ug/L			06/11/26 04:27	1000
Cyclohexane	ND	^c cn	5000	1000	ug/L			06/11/26 04:27	1000
1,2,4-Trichlorobenzene	ND		5000	300	ug/L			06/11/26 04:27	1000
Dibromochloromethane	ND		1000	200	ug/L			06/11/26 04:27	1000
Xylenes, Total	ND		1000	400	ug/L			06/11/26 04:27	1000
Tetrachloroethene	490	J	1000	300	ug/L			06/11/26 04:27	1000
cis-1,2-Dichloroethene	24000		1000	300	ug/L			06/11/26 04:27	1000
trans-1,2-Dichloroethene	ND		2000	700	ug/L			06/11/26 04:27	1000
Methyl tertiary butyl ether	ND		1000	200	ug/L			06/11/26 04:27	1000
1,3-Dichlorobenzene	ND		5000	680	ug/L			06/11/26 04:27	1000
Carbon tetrachloride	ND		1000	300	ug/L			06/11/26 04:27	1000
2-Hexanone	ND	^c cn	10000	850	ug/L			06/11/26 04:27	1000
Acetone	4200	J ^c cn	20000	700	ug/L			06/11/26 04:27	1000
Chloroform	ND		1000	300	ug/L			06/11/26 04:27	1000
Benzene	ND		1000	300	ug/L			06/11/26 04:27	1000
1,1,1-Trichloroethane	56000		1000	300	ug/L			06/11/26 04:27	1000
Bromomethane	ND		1000	300	ug/L			06/11/26 04:27	1000
Chloromethane	ND		2000	550	ug/L			06/11/26 04:27	1000
Chloroethane	ND		1000	300	ug/L			06/11/26 04:27	1000
Vinyl chloride	610	J	1000	300	ug/L			06/11/26 04:27	1000
Methylene Chloride	ND		1000	300	ug/L			06/11/26 04:27	1000
Carbon disulfide	ND		5000	300	ug/L			06/11/26 04:27	1000
Bromoform	ND		4000	1000	ug/L			06/11/26 04:27	1000
Bromodichloromethane	ND		1000	200	ug/L			06/11/26 04:27	1000
1,1-Dichloroethane	8300		1000	300	ug/L			06/11/26 04:27	1000
1,1-Dichloroethene	4500		1000	300	ug/L			06/11/26 04:27	1000
Trichlorofluoromethane	ND		1000	300	ug/L			06/11/26 04:27	1000
Dichlorodifluoromethane	ND		1000	300	ug/L			06/11/26 04:27	1000
Freon 113	ND		10000	300	ug/L			06/11/26 04:27	1000
1,2-Dichloropropane	ND		1000	300	ug/L			06/11/26 04:27	1000
2-Butanone	ND		10000	1000	ug/L			06/11/26 04:27	1000
1,1,2-Trichloroethane	ND		1000	300	ug/L			06/11/26 04:27	1000
Methyl acetate	ND		5000	600	ug/L			06/11/26 04:27	1000
1,1,2,2-Tetrachloroethane	ND		1000	300	ug/L			06/11/26 04:27	1000
1,2-Dichlorobenzene	ND		5000	200	ug/L			06/11/26 04:27	1000
1,2-Dibromo-3-Chloropropane	ND		5000	300	ug/L			06/11/26 04:27	1000
Isopropylbenzene	ND		5000	300	ug/L			06/11/26 04:27	1000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120		06/11/26 04:27	1000

Euofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-78C

Lab Sample ID: 410-285561-6

Date Collected: 05/28/26 14:15

Matrix: Water

Date Received: 05/28/26 18:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	89		80 - 120		06/11/26 04:27	1000
4-Bromofluorobenzene (Surr)	99		80 - 120		06/11/26 04:27	1000
Toluene-d8 (Surr)	100		80 - 120		06/11/26 04:27	1000

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	400000		10000	3000	ug/L			06/11/26 04:46	10000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		80 - 120		06/11/26 04:46	10000
Dibromofluoromethane (Surr)	92		80 - 120		06/11/26 04:46	10000
4-Bromofluorobenzene (Surr)	99		80 - 120		06/11/26 04:46	10000
Toluene-d8 (Surr)	98		80 - 120		06/11/26 04:46	10000

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			05/29/26 16:57	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20	0.10	mg/L			06/09/26 18:17	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	36	cn	3.3	0.90	ng/L		06/09/26 07:04	06/10/26 09:35	1
Perfluoropentanoic acid (PFPeA)	98	cn	1.6	0.49	ng/L		06/09/26 07:04	06/10/26 09:35	1
Perfluorohexanoic acid (PFHxA)	56	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:35	1
Perfluoroheptanoic acid (PFHpA)	33	cn	1.6	0.66	ng/L		06/09/26 07:04	06/10/26 09:35	1
Perfluorooctanoic acid (PFOA)	30	cn	1.6	0.74	ng/L		06/09/26 07:04	06/10/26 09:35	1
Perfluorononanoic acid (PFNA)	8.4	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:35	1
Perfluorodecanoic acid (PFDA)	1.3	J cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:35	1
Perfluoroundecanoic acid (PFUnA)	0.63	J cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:35	1
Perfluorododecanoic acid (PFDoA)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:35	1
Perfluorotridecanoic acid (PFTrDA)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:35	1
Perfluorotetradecanoic acid (PFTeDA)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:35	1
Perfluorobutanesulfonic acid (PFBS)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:35	1
Perfluoropentanesulfonic acid (PFPeS)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:35	1
Perfluorohexanesulfonic acid (PFHxS)	0.79	J cn	1.6	0.66	ng/L		06/09/26 07:04	06/10/26 09:35	1
Perfluoroheptanesulfonic acid (PFHpS)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:35	1
Perfluorooctanesulfonic acid (PFOS)	ND	cn	1.6	1.1	ng/L		06/09/26 07:04	06/10/26 09:35	1
Perfluorononanesulfonic acid (PFNS)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:35	1
Perfluorodecanesulfonic acid (PFDS)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:35	1
Perfluorododecanesulfonic acid (PFDoS)	ND	cn	1.6	0.49	ng/L		06/09/26 07:04	06/10/26 09:35	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	2.5	J cn	3.3	0.82	ng/L		06/09/26 07:04	06/10/26 09:35	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	73	cn	3.3	0.82	ng/L		06/09/26 07:04	06/10/26 09:35	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-78C

Lab Sample ID: 410-285561-6

Date Collected: 05/28/26 14:15

Matrix: Water

Date Received: 05/28/26 18:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	4.2	cn	3.3	0.82	ng/L		06/09/26 07:04	06/10/26 09:35	1
Perfluorooctanesulfonamide (PFOSA)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:35	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:35	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND	cn	1.6	0.90	ng/L		06/09/26 07:04	06/10/26 09:35	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:35	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:35	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND	cn	8.2	3.3	ng/L		06/09/26 07:04	06/10/26 09:35	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND	cn	8.2	3.3	ng/L		06/09/26 07:04	06/10/26 09:35	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	cn	1.6	1.2	ng/L		06/09/26 07:04	06/10/26 09:35	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:35	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:35	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:35	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:35	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:35	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:35	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:35	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND	cn	3.3	0.82	ng/L		06/09/26 07:04	06/10/26 09:35	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND	cn	8.2	2.3	ng/L		06/09/26 07:04	06/10/26 09:35	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND	cn	8.2	2.1	ng/L		06/09/26 07:04	06/10/26 09:35	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	89.5	cn	5 - 130	06/09/26 07:04	06/10/26 09:35	1
13C5 PFPeA	89.8	cn	40 - 130	06/09/26 07:04	06/10/26 09:35	1
13C5 PFHxA	87.4	cn	40 - 130	06/09/26 07:04	06/10/26 09:35	1
13C4 PFHpA	89.7	cn	40 - 130	06/09/26 07:04	06/10/26 09:35	1
13C8 PFOA	82.6	cn	40 - 130	06/09/26 07:04	06/10/26 09:35	1
13C9 PFNA	82.8	cn	40 - 130	06/09/26 07:04	06/10/26 09:35	1
13C6 PFDA	70.7	cn	40 - 130	06/09/26 07:04	06/10/26 09:35	1
13C7 PFUnA	67.9	cn	30 - 130	06/09/26 07:04	06/10/26 09:35	1
13C2 PFTeDA	10.6	cn	10 - 130	06/09/26 07:04	06/10/26 09:35	1
13C3 PFBS	87.9	cn	40 - 135	06/09/26 07:04	06/10/26 09:35	1
13C3 PFHxS	86.5	cn	40 - 130	06/09/26 07:04	06/10/26 09:35	1
13C8 PFOS	74.4	cn	40 - 130	06/09/26 07:04	06/10/26 09:35	1
13C8 FOSA	75.4	cn	40 - 130	06/09/26 07:04	06/10/26 09:35	1
d3-NMeFOSAA	60.8	cn	40 - 170	06/09/26 07:04	06/10/26 09:35	1
d5-NEtFOSAA	51.6	cn	25 - 135	06/09/26 07:04	06/10/26 09:35	1
13C2 4:2 FTS	104	cn	40 - 200	06/09/26 07:04	06/10/26 09:35	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-78C

Lab Sample ID: 410-285561-6

Date Collected: 05/28/26 14:15

Matrix: Water

Date Received: 05/28/26 18:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 6:2 FTS	101	cn	40 - 200	06/09/26 07:04	06/10/26 09:35	1
13C2 8:2 FTS	77.0	cn	40 - 300	06/09/26 07:04	06/10/26 09:35	1
13C3 HFPO-DA	88.1	cn	40 - 130	06/09/26 07:04	06/10/26 09:35	1
d7-N-MeFOSE-M	15.6	cn	10 - 130	06/09/26 07:04	06/10/26 09:35	1
d9-N-EtFOSE-M	11.9	cn	10 - 130	06/09/26 07:04	06/10/26 09:35	1
d5-NEtPFOSA	18.5	cn	10 - 130	06/09/26 07:04	06/10/26 09:35	1
d3-NMePFOSA	27.9	cn	10 - 130	06/09/26 07:04	06/10/26 09:35	1
13C2 PFDoA	44.9	cn	10 - 130	06/09/26 07:04	06/10/26 09:35	1
13C3-3:3 FTCA	147	^c cn	20 - 150	06/09/26 07:04	06/10/26 09:35	1
13C3-5:3 FTCA	116	cn	20 - 150	06/09/26 07:04	06/10/26 09:35	1
13C3-PFDoS	15.2	*5- cn	20 - 150	06/09/26 07:04	06/10/26 09:35	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0021	0.00057	mg/L		06/09/26 04:50	06/09/26 19:20	1
Nickel	0.00071	J	0.0010	0.00041	mg/L		06/09/26 04:50	06/09/26 19:20	1
Manganese	0.019		0.0021	0.00098	mg/L		06/09/26 04:50	06/09/26 19:20	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: Field Blank #1

Lab Sample ID: 410-285561-7

Date Collected: 05/28/26 13:15

Matrix: Water

Date Received: 05/28/26 18:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/10/26 12:52	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/10/26 12:52	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/10/26 12:52	1
Styrene	ND		5.0	0.30	ug/L			06/10/26 12:52	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/10/26 12:52	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/10/26 12:52	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/10/26 12:52	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/10/26 12:52	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/10/26 12:52	1
Toluene	ND		1.0	0.30	ug/L			06/10/26 12:52	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/10/26 12:52	1
Cyclohexane	ND		5.0	1.0	ug/L			06/10/26 12:52	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/10/26 12:52	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/10/26 12:52	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/10/26 12:52	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/10/26 12:52	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/10/26 12:52	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/10/26 12:52	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/10/26 12:52	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/10/26 12:52	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/10/26 12:52	1
2-Hexanone	ND		10	0.85	ug/L			06/10/26 12:52	1
Acetone	4.5	J	20	0.70	ug/L			06/10/26 12:52	1
Chloroform	1.0		1.0	0.30	ug/L			06/10/26 12:52	1
Benzene	ND		1.0	0.30	ug/L			06/10/26 12:52	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/10/26 12:52	1
Bromomethane	ND		1.0	0.30	ug/L			06/10/26 12:52	1
Chloromethane	ND		2.0	0.55	ug/L			06/10/26 12:52	1
Chloroethane	ND		1.0	0.30	ug/L			06/10/26 12:52	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/10/26 12:52	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/10/26 12:52	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/10/26 12:52	1
Bromoform	ND		4.0	1.0	ug/L			06/10/26 12:52	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/10/26 12:52	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/10/26 12:52	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/10/26 12:52	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/10/26 12:52	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/10/26 12:52	1
Freon 113	ND		10	0.30	ug/L			06/10/26 12:52	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/10/26 12:52	1
2-Butanone	ND		10	1.0	ug/L			06/10/26 12:52	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/10/26 12:52	1
Trichloroethene	ND		1.0	0.30	ug/L			06/10/26 12:52	1
Methyl acetate	ND		5.0	0.60	ug/L			06/10/26 12:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/10/26 12:52	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/10/26 12:52	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/10/26 12:52	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/10/26 12:52	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: Field Blank #1

Lab Sample ID: 410-285561-7

Date Collected: 05/28/26 13:15

Matrix: Water

Date Received: 05/28/26 18:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		80 - 120		06/10/26 12:52	1
Dibromofluoromethane (Surr)	93		80 - 120		06/10/26 12:52	1
4-Bromofluorobenzene (Surr)	97		80 - 120		06/10/26 12:52	1
Toluene-d8 (Surr)	96		80 - 120		06/10/26 12:52	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			05/29/26 17:05	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20	0.10	mg/L			06/09/26 18:40	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		3.3	0.90	ng/L		06/09/26 07:04	06/10/26 09:49	1
Perfluoropentanoic acid (PFPeA)	ND		1.6	0.49	ng/L		06/09/26 07:04	06/10/26 09:49	1
Perfluorohexanoic acid (PFHxA)	ND		1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:49	1
Perfluoroheptanoic acid (PFHpA)	ND		1.6	0.66	ng/L		06/09/26 07:04	06/10/26 09:49	1
Perfluorooctanoic acid (PFOA)	ND		1.6	0.74	ng/L		06/09/26 07:04	06/10/26 09:49	1
Perfluorononanoic acid (PFNA)	ND		1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:49	1
Perfluorodecanoic acid (PFDA)	ND		1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:49	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:49	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:49	1
Perfluorotridecanoic acid (PFTTrDA)	ND		1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:49	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:49	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:49	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:49	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.6	0.66	ng/L		06/09/26 07:04	06/10/26 09:49	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:49	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.6	1.1	ng/L		06/09/26 07:04	06/10/26 09:49	1
Perfluorononanesulfonic acid (PFNS)	ND		1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:49	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:49	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.6	0.49	ng/L		06/09/26 07:04	06/10/26 09:49	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.3	0.82	ng/L		06/09/26 07:04	06/10/26 09:49	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		3.3	0.82	ng/L		06/09/26 07:04	06/10/26 09:49	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.3	0.82	ng/L		06/09/26 07:04	06/10/26 09:49	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:49	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:49	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.6	0.90	ng/L		06/09/26 07:04	06/10/26 09:49	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:49	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:49	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: Field Blank #1

Lab Sample ID: 410-285561-7

Date Collected: 05/28/26 13:15

Matrix: Water

Date Received: 05/28/26 18:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.2	3.3	ng/L		06/09/26 07:04	06/10/26 09:49	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.2	3.3	ng/L		06/09/26 07:04	06/10/26 09:49	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.6	1.1	ng/L		06/09/26 07:04	06/10/26 09:49	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:49	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:49	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:49	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:49	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:49	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:49	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.6	0.41	ng/L		06/09/26 07:04	06/10/26 09:49	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.3	0.82	ng/L		06/09/26 07:04	06/10/26 09:49	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		8.2	2.3	ng/L		06/09/26 07:04	06/10/26 09:49	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.2	2.1	ng/L		06/09/26 07:04	06/10/26 09:49	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	91.6		5 - 130				06/09/26 07:04	06/10/26 09:49	1
13C5 PFPeA	92.9		40 - 130				06/09/26 07:04	06/10/26 09:49	1
13C5 PFHxA	90.9		40 - 130				06/09/26 07:04	06/10/26 09:49	1
13C4 PFHpA	92.9		40 - 130				06/09/26 07:04	06/10/26 09:49	1
13C8 PFOA	82.6		40 - 130				06/09/26 07:04	06/10/26 09:49	1
13C9 PFNA	81.1		40 - 130				06/09/26 07:04	06/10/26 09:49	1
13C6 PFDA	71.0		40 - 130				06/09/26 07:04	06/10/26 09:49	1
13C7 PFUnA	66.5		30 - 130				06/09/26 07:04	06/10/26 09:49	1
13C2 PFTeDA	55.1		10 - 130				06/09/26 07:04	06/10/26 09:49	1
13C3 PFBS	91.3		40 - 135				06/09/26 07:04	06/10/26 09:49	1
13C3 PFHxS	88.3		40 - 130				06/09/26 07:04	06/10/26 09:49	1
13C8 PFOS	74.3		40 - 130				06/09/26 07:04	06/10/26 09:49	1
13C8 FOSA	70.6		40 - 130				06/09/26 07:04	06/10/26 09:49	1
d3-NMeFOSAA	60.1		40 - 170				06/09/26 07:04	06/10/26 09:49	1
d5-NEtFOSAA	59.9		25 - 135				06/09/26 07:04	06/10/26 09:49	1
13C2 4:2 FTS	77.3		40 - 200				06/09/26 07:04	06/10/26 09:49	1
13C2 6:2 FTS	86.2		40 - 200				06/09/26 07:04	06/10/26 09:49	1
13C2 8:2 FTS	82.8		40 - 300				06/09/26 07:04	06/10/26 09:49	1
13C3 HFPO-DA	93.4		40 - 130				06/09/26 07:04	06/10/26 09:49	1
d7-N-MeFOSE-M	44.4		10 - 130				06/09/26 07:04	06/10/26 09:49	1
d9-N-EtFOSE-M	41.9		10 - 130				06/09/26 07:04	06/10/26 09:49	1
d5-NEtPFOSA	56.8		10 - 130				06/09/26 07:04	06/10/26 09:49	1
d3-NMePFOSA	60.4		10 - 130				06/09/26 07:04	06/10/26 09:49	1
13C2 PFDoA	63.7		10 - 130				06/09/26 07:04	06/10/26 09:49	1
13C3-3:3 FTCA	151	^c *5+ cn	20 - 150				06/09/26 07:04	06/10/26 09:49	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: Field Blank #1

Lab Sample ID: 410-285561-7

Date Collected: 05/28/26 13:15

Matrix: Water

Date Received: 05/28/26 18:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-5:3 FTCA	87.6		20 - 150	06/09/26 07:04	06/10/26 09:49	1
13C3-PFDoS	57.9		20 - 150	06/09/26 07:04	06/10/26 09:49	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0021	0.00057	mg/L		06/09/26 04:50	06/09/26 19:22	1
Nickel	ND		0.0010	0.00041	mg/L		06/09/26 04:50	06/09/26 19:22	1
Manganese	ND		0.0021	0.00098	mg/L		06/09/26 04:50	06/09/26 19:22	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-77

Lab Sample ID: 410-285561-8

Date Collected: 05/28/26 14:45

Matrix: Water

Date Received: 05/28/26 18:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND	cn	100	50	ug/L			06/11/26 03:08	100
trans-1,3-Dichloropropene	ND	cn	100	20	ug/L			06/11/26 03:08	100
Ethylbenzene	ND	cn	100	40	ug/L			06/11/26 03:08	100
Styrene	ND	cn	500	30	ug/L			06/11/26 03:08	100
1,4-Dichlorobenzene	ND	cn	500	30	ug/L			06/11/26 03:08	100
1,2-Dibromoethane	ND	cn	100	20	ug/L			06/11/26 03:08	100
1,2-Dichloroethane	ND	cn	100	30	ug/L			06/11/26 03:08	100
4-Methyl-2-pentanone	ND	^c cn	1000	50	ug/L			06/11/26 03:08	100
Methylcyclohexane	ND	cn	500	50	ug/L			06/11/26 03:08	100
Toluene	ND	cn	100	30	ug/L			06/11/26 03:08	100
Chlorobenzene	ND	cn	100	30	ug/L			06/11/26 03:08	100
Cyclohexane	ND	^c cn	500	100	ug/L			06/11/26 03:08	100
1,2,4-Trichlorobenzene	ND	cn	500	30	ug/L			06/11/26 03:08	100
Dibromochloromethane	ND	cn	100	20	ug/L			06/11/26 03:08	100
Xylenes, Total	ND	cn	100	40	ug/L			06/11/26 03:08	100
Tetrachloroethene	ND	cn	100	30	ug/L			06/11/26 03:08	100
cis-1,2-Dichloroethene	1800	cn	100	30	ug/L			06/11/26 03:08	100
trans-1,2-Dichloroethene	ND	cn	200	70	ug/L			06/11/26 03:08	100
Methyl tertiary butyl ether	ND	cn	100	20	ug/L			06/11/26 03:08	100
1,3-Dichlorobenzene	ND	cn	500	68	ug/L			06/11/26 03:08	100
Carbon tetrachloride	ND	cn	100	30	ug/L			06/11/26 03:08	100
2-Hexanone	ND	^c cn	1000	85	ug/L			06/11/26 03:08	100
Acetone	ND	^c cn	2000	70	ug/L			06/11/26 03:08	100
Chloroform	ND	cn	100	30	ug/L			06/11/26 03:08	100
Benzene	ND	cn	100	30	ug/L			06/11/26 03:08	100
1,1,1-Trichloroethane	4900	cn	100	30	ug/L			06/11/26 03:08	100
Bromomethane	ND	cn	100	30	ug/L			06/11/26 03:08	100
Chloromethane	ND	cn	200	55	ug/L			06/11/26 03:08	100
Chloroethane	ND	cn	100	30	ug/L			06/11/26 03:08	100
Vinyl chloride	ND	cn	100	30	ug/L			06/11/26 03:08	100
Methylene Chloride	ND	cn	100	30	ug/L			06/11/26 03:08	100
Carbon disulfide	ND	cn	500	30	ug/L			06/11/26 03:08	100
Bromoform	ND	cn	400	100	ug/L			06/11/26 03:08	100
Bromodichloromethane	ND	cn	100	20	ug/L			06/11/26 03:08	100
1,1-Dichloroethane	180	cn	100	30	ug/L			06/11/26 03:08	100
1,1-Dichloroethene	230	cn	100	30	ug/L			06/11/26 03:08	100
Trichlorofluoromethane	ND	cn	100	30	ug/L			06/11/26 03:08	100
Dichlorodifluoromethane	ND	cn	100	30	ug/L			06/11/26 03:08	100
Freon 113	120	J cn	1000	30	ug/L			06/11/26 03:08	100
1,2-Dichloropropane	ND	cn	100	30	ug/L			06/11/26 03:08	100
2-Butanone	ND	cn	1000	100	ug/L			06/11/26 03:08	100
1,1,2-Trichloroethane	ND	cn	100	30	ug/L			06/11/26 03:08	100
Trichloroethene	13000	cn	100	30	ug/L			06/11/26 03:08	100
Methyl acetate	ND	cn	500	60	ug/L			06/11/26 03:08	100
1,1,2,2-Tetrachloroethane	ND	cn	100	30	ug/L			06/11/26 03:08	100
1,2-Dichlorobenzene	ND	cn	500	20	ug/L			06/11/26 03:08	100
1,2-Dibromo-3-Chloropropane	ND	cn	500	30	ug/L			06/11/26 03:08	100
Isopropylbenzene	ND	cn	500	30	ug/L			06/11/26 03:08	100

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-77

Lab Sample ID: 410-285561-8

Date Collected: 05/28/26 14:45

Matrix: Water

Date Received: 05/28/26 18:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98	cn	80 - 120		06/11/26 03:08	100
Dibromofluoromethane (Surr)	90	cn	80 - 120		06/11/26 03:08	100
4-Bromofluorobenzene (Surr)	99	cn	80 - 120		06/11/26 03:08	100
Toluene-d8 (Surr)	98	cn	80 - 120		06/11/26 03:08	100

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			05/29/26 15:49	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.12	J	0.20	0.10	mg/L			06/09/26 18:51	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	54		3.5	0.97	ng/L		06/09/26 07:04	06/10/26 10:02	1
Perfluoropentanoic acid (PFPeA)	150		1.8	0.53	ng/L		06/09/26 07:04	06/10/26 10:02	1
Perfluorohexanoic acid (PFHxA)	94		1.8	0.44	ng/L		06/09/26 07:04	06/10/26 10:02	1
Perfluoroheptanoic acid (PFHpA)	85		1.8	0.70	ng/L		06/09/26 07:04	06/10/26 10:02	1
Perfluorooctanoic acid (PFOA)	66		1.8	0.79	ng/L		06/09/26 07:04	06/10/26 10:02	1
Perfluorononanoic acid (PFNA)	37		1.8	0.44	ng/L		06/09/26 07:04	06/10/26 10:02	1
Perfluorodecanoic acid (PFDA)	0.84	J	1.8	0.44	ng/L		06/09/26 07:04	06/10/26 10:02	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.44	ng/L		06/09/26 07:04	06/10/26 10:02	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.44	ng/L		06/09/26 07:04	06/10/26 10:02	1
Perfluorotridecanoic acid (PFTTrDA)	ND		1.8	0.44	ng/L		06/09/26 07:04	06/10/26 10:02	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.8	0.44	ng/L		06/09/26 07:04	06/10/26 10:02	1
Perfluorobutanesulfonic acid (PFBS)	0.71	J	1.8	0.44	ng/L		06/09/26 07:04	06/10/26 10:02	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.8	0.44	ng/L		06/09/26 07:04	06/10/26 10:02	1
Perfluorohexanesulfonic acid (PFHxS)	1.2	J	1.8	0.70	ng/L		06/09/26 07:04	06/10/26 10:02	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.8	0.44	ng/L		06/09/26 07:04	06/10/26 10:02	1
Perfluorooctanesulfonic acid (PFOS)	5.3		1.8	1.1	ng/L		06/09/26 07:04	06/10/26 10:02	1
Perfluorononanesulfonic acid (PFNS)	ND		1.8	0.44	ng/L		06/09/26 07:04	06/10/26 10:02	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.44	ng/L		06/09/26 07:04	06/10/26 10:02	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.53	ng/L		06/09/26 07:04	06/10/26 10:02	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	1.1	J	3.5	0.88	ng/L		06/09/26 07:04	06/10/26 10:02	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	72		3.5	0.88	ng/L		06/09/26 07:04	06/10/26 10:02	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	7.3		3.5	0.88	ng/L		06/09/26 07:04	06/10/26 10:02	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.44	ng/L		06/09/26 07:04	06/10/26 10:02	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.8	0.44	ng/L		06/09/26 07:04	06/10/26 10:02	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.8	0.97	ng/L		06/09/26 07:04	06/10/26 10:02	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.8	0.44	ng/L		06/09/26 07:04	06/10/26 10:02	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-77

Lab Sample ID: 410-285561-8

Date Collected: 05/28/26 14:45

Matrix: Water

Date Received: 05/28/26 18:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.8	0.44	ng/L		06/09/26 07:04	06/10/26 10:02	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.8	3.5	ng/L		06/09/26 07:04	06/10/26 10:02	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.8	3.5	ng/L		06/09/26 07:04	06/10/26 10:02	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.8	1.2	ng/L		06/09/26 07:04	06/10/26 10:02	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.8	0.44	ng/L		06/09/26 07:04	06/10/26 10:02	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.8	0.44	ng/L		06/09/26 07:04	06/10/26 10:02	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.8	0.44	ng/L		06/09/26 07:04	06/10/26 10:02	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.8	0.44	ng/L		06/09/26 07:04	06/10/26 10:02	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.8	0.44	ng/L		06/09/26 07:04	06/10/26 10:02	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.8	0.44	ng/L		06/09/26 07:04	06/10/26 10:02	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.8	0.44	ng/L		06/09/26 07:04	06/10/26 10:02	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.5	0.88	ng/L		06/09/26 07:04	06/10/26 10:02	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		8.8	2.5	ng/L		06/09/26 07:04	06/10/26 10:02	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.8	2.2	ng/L		06/09/26 07:04	06/10/26 10:02	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	87.1		5 - 130	06/09/26 07:04	06/10/26 10:02	1
13C5 PFPeA	87.1		40 - 130	06/09/26 07:04	06/10/26 10:02	1
13C5 PFHxA	87.8		40 - 130	06/09/26 07:04	06/10/26 10:02	1
13C4 PFHpA	85.7		40 - 130	06/09/26 07:04	06/10/26 10:02	1
13C8 PFOA	79.5		40 - 130	06/09/26 07:04	06/10/26 10:02	1
13C9 PFNA	75.8		40 - 130	06/09/26 07:04	06/10/26 10:02	1
13C6 PFDA	70.2		40 - 130	06/09/26 07:04	06/10/26 10:02	1
13C7 PFUnA	60.8		30 - 130	06/09/26 07:04	06/10/26 10:02	1
13C2 PFTeDA	47.2		10 - 130	06/09/26 07:04	06/10/26 10:02	1
13C3 PFBS	88.7		40 - 135	06/09/26 07:04	06/10/26 10:02	1
13C3 PFHxS	83.5		40 - 130	06/09/26 07:04	06/10/26 10:02	1
13C8 PFOS	71.7		40 - 130	06/09/26 07:04	06/10/26 10:02	1
13C8 FOSA	68.1		40 - 130	06/09/26 07:04	06/10/26 10:02	1
d3-NMeFOSAA	61.9		40 - 170	06/09/26 07:04	06/10/26 10:02	1
d5-NEtFOSAA	62.0		25 - 135	06/09/26 07:04	06/10/26 10:02	1
13C2 4:2 FTS	86.2		40 - 200	06/09/26 07:04	06/10/26 10:02	1
13C2 6:2 FTS	78.2		40 - 200	06/09/26 07:04	06/10/26 10:02	1
13C2 8:2 FTS	80.8		40 - 300	06/09/26 07:04	06/10/26 10:02	1
13C3 HFPO-DA	87.0		40 - 130	06/09/26 07:04	06/10/26 10:02	1
d7-N-MeFOSE-M	40.9		10 - 130	06/09/26 07:04	06/10/26 10:02	1
d9-N-EtFOSE-M	39.5		10 - 130	06/09/26 07:04	06/10/26 10:02	1
d5-NEtPFOSA	53.5		10 - 130	06/09/26 07:04	06/10/26 10:02	1
d3-NMePFOSA	57.5		10 - 130	06/09/26 07:04	06/10/26 10:02	1
13C2 PFDoA	52.7		10 - 130	06/09/26 07:04	06/10/26 10:02	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-77

Lab Sample ID: 410-285561-8

Date Collected: 05/28/26 14:45

Matrix: Water

Date Received: 05/28/26 18:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-3:3 FTCA	141	^c cn	20 - 150	06/09/26 07:04	06/10/26 10:02	1
13C3-5:3 FTCA	87.4		20 - 150	06/09/26 07:04	06/10/26 10:02	1
13C3-PFDoS	52.0		20 - 150	06/09/26 07:04	06/10/26 10:02	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0021	0.00057	mg/L		06/09/26 04:50	06/09/26 18:54	1
Nickel	0.0016		0.0010	0.00041	mg/L		06/09/26 04:50	06/09/26 18:54	1
Manganese	ND		0.0021	0.00098	mg/L		06/09/26 04:50	06/09/26 18:54	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-76

Lab Sample ID: 410-285561-9

Date Collected: 05/28/26 15:15

Matrix: Water

Date Received: 05/28/26 18:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND	H cn	1.0	0.50	ug/L			08/06/26 16:09	1
trans-1,3-Dichloropropene	ND	H cn	1.0	0.20	ug/L			08/06/26 16:09	1
Ethylbenzene	ND	H cn	1.0	0.40	ug/L			08/06/26 16:09	1
Styrene	ND	H cn	5.0	0.30	ug/L			08/06/26 16:09	1
1,4-Dichlorobenzene	ND	H cn	5.0	0.30	ug/L			08/06/26 16:09	1
1,2-Dibromoethane	ND	H cn	1.0	0.20	ug/L			08/06/26 16:09	1
1,2-Dichloroethane	ND	H cn	1.0	0.30	ug/L			08/06/26 16:09	1
4-Methyl-2-pentanone	ND	H ^c cn	10	0.50	ug/L			08/06/26 16:09	1
Methylcyclohexane	ND	H cn	5.0	0.50	ug/L			08/06/26 16:09	1
Toluene	ND	H cn	1.0	0.30	ug/L			08/06/26 16:09	1
Chlorobenzene	ND	H cn	1.0	0.30	ug/L			08/06/26 16:09	1
Cyclohexane	ND	H cn	5.0	1.0	ug/L			08/06/26 16:09	1
1,2,4-Trichlorobenzene	ND	H cn	5.0	0.30	ug/L			08/06/26 16:09	1
Dibromochloromethane	ND	H cn	1.0	0.20	ug/L			08/06/26 16:09	1
Xylenes, Total	ND	H cn	1.0	0.40	ug/L			08/06/26 16:09	1
Tetrachloroethene	ND	H cn	1.0	0.30	ug/L			08/06/26 16:09	1
cis-1,2-Dichloroethene	1.2	H cn	1.0	0.30	ug/L			08/06/26 16:09	1
trans-1,2-Dichloroethene	ND	H cn	2.0	0.70	ug/L			08/06/26 16:09	1
Methyl tertiary butyl ether	1.5	H cn	1.0	0.20	ug/L			08/06/26 16:09	1
1,3-Dichlorobenzene	ND	H cn	5.0	0.68	ug/L			08/06/26 16:09	1
Carbon tetrachloride	ND	H cn	1.0	0.30	ug/L			08/06/26 16:09	1
2-Hexanone	ND	H ^c cn	10	0.85	ug/L			08/06/26 16:09	1
Acetone	ND	H cn	20	0.70	ug/L			08/06/26 16:09	1
Chloroform	ND	H cn	1.0	0.30	ug/L			08/06/26 16:09	1
Benzene	ND	H cn	1.0	0.30	ug/L			08/06/26 16:09	1
1,1,1-Trichloroethane	23	H cn	1.0	0.30	ug/L			08/06/26 16:09	1
Bromomethane	ND	H cn	1.0	0.30	ug/L			08/06/26 16:09	1
Chloromethane	ND	H ^c cn	2.0	0.55	ug/L			08/06/26 16:09	1
Chloroethane	ND	H cn	1.0	0.30	ug/L			08/06/26 16:09	1
Vinyl chloride	ND	H ^c cn	1.0	0.30	ug/L			08/06/26 16:09	1
Methylene Chloride	ND	H cn	1.0	0.30	ug/L			08/06/26 16:09	1
Carbon disulfide	ND	H cn	5.0	0.30	ug/L			08/06/26 16:09	1
Bromoform	ND	H cn	4.0	1.0	ug/L			08/06/26 16:09	1
Bromodichloromethane	ND	H cn	1.0	0.20	ug/L			08/06/26 16:09	1
1,1-Dichloroethane	5.4	H cn	1.0	0.30	ug/L			08/06/26 16:09	1
1,1-Dichloroethene	ND	H cn	1.0	0.30	ug/L			08/06/26 16:09	1
Trichlorofluoromethane	ND	H cn	1.0	0.30	ug/L			08/06/26 16:09	1
Dichlorodifluoromethane	ND	H cn	1.0	0.30	ug/L			08/06/26 16:09	1
Freon 113	ND	H cn	10	0.30	ug/L			08/06/26 16:09	1
1,2-Dichloropropane	ND	H cn	1.0	0.30	ug/L			08/06/26 16:09	1
2-Butanone	ND	H ^c cn	10	1.0	ug/L			08/06/26 16:09	1
1,1,2-Trichloroethane	ND	H cn	1.0	0.30	ug/L			08/06/26 16:09	1
Trichloroethene	28	H cn	1.0	0.30	ug/L			08/06/26 16:09	1
Methyl acetate	ND	H ^c cn	5.0	0.60	ug/L			08/06/26 16:09	1
1,1,2,2-Tetrachloroethane	ND	H cn	1.0	0.30	ug/L			08/06/26 16:09	1
1,2-Dichlorobenzene	ND	H cn	5.0	0.20	ug/L			08/06/26 16:09	1
1,2-Dibromo-3-Chloropropane	ND	H ^c cn	5.0	0.30	ug/L			08/06/26 16:09	1
Isopropylbenzene	ND	H cn	5.0	0.30	ug/L			08/06/26 16:09	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-76

Lab Sample ID: 410-285561-9

Date Collected: 05/28/26 15:15

Matrix: Water

Date Received: 05/28/26 18:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105	cn	80 - 120		08/06/26 16:09	1
Dibromofluoromethane (Surr)	108	cn	80 - 120		08/06/26 16:09	1
4-Bromofluorobenzene (Surr)	90	cn	80 - 120		08/06/26 16:09	1
Toluene-d8 (Surr)	91	cn	80 - 120		08/06/26 16:09	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			05/29/26 15:11	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.10	J	0.20	0.10	mg/L			06/09/26 20:46	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	66	H cn	3.2	0.88	ng/L		07/31/26 15:43	08/03/26 03:34	1
Perfluoropentanoic acid (PFPeA)	200	H cn	1.6	0.48	ng/L		07/31/26 15:43	08/03/26 03:34	1
Perfluorohexanoic acid (PFHxA)	150	H cn	1.6	0.40	ng/L		07/31/26 15:43	08/03/26 03:34	1
Perfluoroheptanoic acid (PFHpA)	160	H cn	1.6	0.64	ng/L		07/31/26 15:43	08/03/26 03:34	1
Perfluorooctanoic acid (PFOA)	150	H cn	1.6	0.72	ng/L		07/31/26 15:43	08/03/26 03:34	1
Perfluorononanoic acid (PFNA)	40	H cn	1.6	0.40	ng/L		07/31/26 15:43	08/03/26 03:34	1
Perfluorodecanoic acid (PFDA)	ND	H cn	1.6	0.40	ng/L		07/31/26 15:43	08/03/26 03:34	1
Perfluoroundecanoic acid (PFUnA)	ND	H cn	1.6	0.40	ng/L		07/31/26 15:43	08/03/26 03:34	1
Perfluorododecanoic acid (PFDoA)	ND	H cn	1.6	0.40	ng/L		07/31/26 15:43	08/03/26 03:34	1
Perfluorotridecanoic acid (PFTTrDA)	ND	H cn	1.6	0.40	ng/L		07/31/26 15:43	08/03/26 03:34	1
Perfluorotetradecanoic acid (PFTeDA)	ND	H cn	1.6	0.40	ng/L		07/31/26 15:43	08/03/26 03:34	1
Perfluorobutanesulfonic acid (PFBS)	0.86	J H cn	1.6	0.40	ng/L		07/31/26 15:43	08/03/26 03:34	1
Perfluoropentanesulfonic acid (PFPeS)	ND	H cn	1.6	0.40	ng/L		07/31/26 15:43	08/03/26 03:34	1
Perfluorohexanesulfonic acid (PFHxS)	1.1	J H cn	1.6	0.64	ng/L		07/31/26 15:43	08/03/26 03:34	1
Perfluoroheptanesulfonic acid (PFHpS)	ND	H cn	1.6	0.40	ng/L		07/31/26 15:43	08/03/26 03:34	1
Perfluorooctanesulfonic acid (PFOS)	3.3	H cn	1.6	1.0	ng/L		07/31/26 15:43	08/03/26 03:34	1
Perfluorononanesulfonic acid (PFNS)	ND	H cn	1.6	0.40	ng/L		07/31/26 15:43	08/03/26 03:34	1
Perfluorodecanesulfonic acid (PFDS)	ND	H cn	1.6	0.40	ng/L		07/31/26 15:43	08/03/26 03:34	1
Perfluorododecanesulfonic acid (PFDoS)	ND	H cn	1.6	0.48	ng/L		07/31/26 15:43	08/03/26 03:34	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	4.0	H cn	3.2	0.80	ng/L		07/31/26 15:43	08/03/26 03:34	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	350	H cn	3.2	0.80	ng/L		07/31/26 15:43	08/03/26 03:34	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	75	H cn	3.2	0.80	ng/L		07/31/26 15:43	08/03/26 03:34	1
Perfluorooctanesulfonamide (PFOSA)	ND	H cn	1.6	0.40	ng/L		07/31/26 15:43	08/03/26 03:34	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND	H cn	1.6	0.40	ng/L		07/31/26 15:43	08/03/26 03:34	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND	H cn	1.6	0.88	ng/L		07/31/26 15:43	08/03/26 03:34	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND	H cn	1.6	0.40	ng/L		07/31/26 15:43	08/03/26 03:34	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-76

Lab Sample ID: 410-285561-9

Date Collected: 05/28/26 15:15

Matrix: Water

Date Received: 05/28/26 18:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND	H cn	1.6	0.40	ng/L		07/31/26 15:43	08/03/26 03:34	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND	H cn	8.0	3.2	ng/L		07/31/26 15:43	08/03/26 03:34	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND	H cn	8.0	3.2	ng/L		07/31/26 15:43	08/03/26 03:34	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	H cn	1.6	1.1	ng/L		07/31/26 15:43	08/03/26 03:34	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	H cn	1.6	0.40	ng/L		07/31/26 15:43	08/03/26 03:34	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	H cn	1.6	0.40	ng/L		07/31/26 15:43	08/03/26 03:34	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	H cn	1.6	0.40	ng/L		07/31/26 15:43	08/03/26 03:34	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	H cn	1.6	0.40	ng/L		07/31/26 15:43	08/03/26 03:34	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND	H cn	1.6	0.40	ng/L		07/31/26 15:43	08/03/26 03:34	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND	H cn	1.6	0.40	ng/L		07/31/26 15:43	08/03/26 03:34	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND	H cn	1.6	0.40	ng/L		07/31/26 15:43	08/03/26 03:34	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND	H cn	3.2	0.80	ng/L		07/31/26 15:43	08/03/26 03:34	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND	H cn	8.0	2.2	ng/L		07/31/26 15:43	08/03/26 03:34	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND	H cn	8.0	2.0	ng/L		07/31/26 15:43	08/03/26 03:34	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	78.6	cn	5 - 130	07/31/26 15:43	08/03/26 03:34	1
13C5 PFPeA	75.5	cn	40 - 130	07/31/26 15:43	08/03/26 03:34	1
13C5 PFHxA	72.0	cn	40 - 130	07/31/26 15:43	08/03/26 03:34	1
13C4 PFHpA	69.9	cn	40 - 130	07/31/26 15:43	08/03/26 03:34	1
13C8 PFOA	72.0	cn	40 - 130	07/31/26 15:43	08/03/26 03:34	1
13C9 PFNA	68.2	cn	40 - 130	07/31/26 15:43	08/03/26 03:34	1
13C6 PFDA	70.8	cn	40 - 130	07/31/26 15:43	08/03/26 03:34	1
13C7 PFUnA	66.8	cn	30 - 130	07/31/26 15:43	08/03/26 03:34	1
13C2 PFTeDA	57.3	cn	10 - 130	07/31/26 15:43	08/03/26 03:34	1
13C3 PFBS	68.8	cn	40 - 135	07/31/26 15:43	08/03/26 03:34	1
13C3 PFHxS	71.3	cn	40 - 130	07/31/26 15:43	08/03/26 03:34	1
13C8 PFOS	71.5	cn	40 - 130	07/31/26 15:43	08/03/26 03:34	1
13C8 FOSA	59.4	cn	40 - 130	07/31/26 15:43	08/03/26 03:34	1
d3-NMeFOSAA	51.4	^c cn	40 - 170	07/31/26 15:43	08/03/26 03:34	1
d5-NEtFOSAA	47.7	cn	25 - 135	07/31/26 15:43	08/03/26 03:34	1
13C2 4:2 FTS	54.2	^c cn	40 - 200	07/31/26 15:43	08/03/26 03:34	1
13C2 6:2 FTS	56.2	^c cn	40 - 200	07/31/26 15:43	08/03/26 03:34	1
13C2 8:2 FTS	52.0	^c cn	40 - 300	07/31/26 15:43	08/03/26 03:34	1
13C3 HFPO-DA	69.6	cn	40 - 130	07/31/26 15:43	08/03/26 03:34	1
d7-N-MeFOSE-M	48.1	cn	10 - 130	07/31/26 15:43	08/03/26 03:34	1
d9-N-EtFOSE-M	45.7	cn	10 - 130	07/31/26 15:43	08/03/26 03:34	1
d5-NEtPFOSA	51.9	cn	10 - 130	07/31/26 15:43	08/03/26 03:34	1
d3-NMePFOSA	55.3	cn	10 - 130	07/31/26 15:43	08/03/26 03:34	1
13C2 PFDaA	62.0	cn	10 - 130	07/31/26 15:43	08/03/26 03:34	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-76

Lab Sample ID: 410-285561-9

Date Collected: 05/28/26 15:15

Matrix: Water

Date Received: 05/28/26 18:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-3:3 FTCA	79.1	cn	20 - 150	07/31/26 15:43	08/03/26 03:34	1
13C3-5:3 FTCA	63.7	cn	20 - 150	07/31/26 15:43	08/03/26 03:34	1
13C3-PFDoS	56.3	cn	20 - 150	07/31/26 15:43	08/03/26 03:34	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0021	0.00057	mg/L		06/09/26 04:50	06/09/26 19:24	1
Nickel	0.0022		0.0010	0.00041	mg/L		06/09/26 04:50	06/09/26 19:24	1
Manganese	1.6		0.0021	0.00098	mg/L		06/09/26 04:50	06/09/26 19:24	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: Trip Blank 20260528

Lab Sample ID: 410-285561-10

Date Collected: 05/28/26 00:00

Matrix: Water

Date Received: 05/28/26 18:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/10/26 13:11	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/10/26 13:11	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/10/26 13:11	1
Styrene	ND		5.0	0.30	ug/L			06/10/26 13:11	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/10/26 13:11	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/10/26 13:11	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/10/26 13:11	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/10/26 13:11	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/10/26 13:11	1
Toluene	ND		1.0	0.30	ug/L			06/10/26 13:11	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/10/26 13:11	1
Cyclohexane	ND		5.0	1.0	ug/L			06/10/26 13:11	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/10/26 13:11	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/10/26 13:11	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/10/26 13:11	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/10/26 13:11	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/10/26 13:11	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/10/26 13:11	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/10/26 13:11	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/10/26 13:11	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/10/26 13:11	1
2-Hexanone	ND		10	0.85	ug/L			06/10/26 13:11	1
Acetone	ND		20	0.70	ug/L			06/10/26 13:11	1
Chloroform	ND		1.0	0.30	ug/L			06/10/26 13:11	1
Benzene	ND		1.0	0.30	ug/L			06/10/26 13:11	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/10/26 13:11	1
Bromomethane	ND		1.0	0.30	ug/L			06/10/26 13:11	1
Chloromethane	ND		2.0	0.55	ug/L			06/10/26 13:11	1
Chloroethane	ND		1.0	0.30	ug/L			06/10/26 13:11	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/10/26 13:11	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/10/26 13:11	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/10/26 13:11	1
Bromoform	ND		4.0	1.0	ug/L			06/10/26 13:11	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/10/26 13:11	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/10/26 13:11	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/10/26 13:11	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/10/26 13:11	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/10/26 13:11	1
Freon 113	ND		10	0.30	ug/L			06/10/26 13:11	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/10/26 13:11	1
2-Butanone	ND		10	1.0	ug/L			06/10/26 13:11	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/10/26 13:11	1
Trichloroethene	ND		1.0	0.30	ug/L			06/10/26 13:11	1
Methyl acetate	ND		5.0	0.60	ug/L			06/10/26 13:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/10/26 13:11	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/10/26 13:11	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/10/26 13:11	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/10/26 13:11	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: Trip Blank 20260528

Lab Sample ID: 410-285561-10

Date Collected: 05/28/26 00:00

Matrix: Water

Date Received: 05/28/26 18:15

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	97		80 - 120		06/10/26 13:11	1
Dibromofluoromethane (Surr)	93		80 - 120		06/10/26 13:11	1
4-Bromofluorobenzene (Surr)	97		80 - 120		06/10/26 13:11	1
Toluene-d8 (Surr)	96		80 - 120		06/10/26 13:11	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-64

Lab Sample ID: 410-285561-11

Date Collected: 05/28/26 15:50

Matrix: Water

Date Received: 05/28/26 18:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND	cn	100	50	ug/L			06/11/26 03:47	100
trans-1,3-Dichloropropene	ND	cn	100	20	ug/L			06/11/26 03:47	100
Ethylbenzene	ND	cn	100	40	ug/L			06/11/26 03:47	100
Styrene	ND	cn	500	30	ug/L			06/11/26 03:47	100
1,4-Dichlorobenzene	ND	cn	500	30	ug/L			06/11/26 03:47	100
1,2-Dibromoethane	ND	cn	100	20	ug/L			06/11/26 03:47	100
1,2-Dichloroethane	ND	cn	100	30	ug/L			06/11/26 03:47	100
4-Methyl-2-pentanone	ND	^c cn	1000	50	ug/L			06/11/26 03:47	100
Methylcyclohexane	ND	cn	500	50	ug/L			06/11/26 03:47	100
Toluene	ND	cn	100	30	ug/L			06/11/26 03:47	100
Chlorobenzene	ND	cn	100	30	ug/L			06/11/26 03:47	100
Cyclohexane	ND	^c cn	500	100	ug/L			06/11/26 03:47	100
1,2,4-Trichlorobenzene	ND	cn	500	30	ug/L			06/11/26 03:47	100
Dibromochloromethane	ND	cn	100	20	ug/L			06/11/26 03:47	100
Xylenes, Total	ND	cn	100	40	ug/L			06/11/26 03:47	100
Tetrachloroethene	ND	cn	100	30	ug/L			06/11/26 03:47	100
cis-1,2-Dichloroethene	8100	cn	100	30	ug/L			06/11/26 03:47	100
trans-1,2-Dichloroethene	ND	cn	200	70	ug/L			06/11/26 03:47	100
Methyl tertiary butyl ether	ND	cn	100	20	ug/L			06/11/26 03:47	100
1,3-Dichlorobenzene	ND	cn	500	68	ug/L			06/11/26 03:47	100
Carbon tetrachloride	ND	cn	100	30	ug/L			06/11/26 03:47	100
2-Hexanone	ND	^c cn	1000	85	ug/L			06/11/26 03:47	100
Acetone	ND	^c cn	2000	70	ug/L			06/11/26 03:47	100
Chloroform	ND	cn	100	30	ug/L			06/11/26 03:47	100
Benzene	ND	cn	100	30	ug/L			06/11/26 03:47	100
1,1,1-Trichloroethane	140	cn	100	30	ug/L			06/11/26 03:47	100
Bromomethane	ND	cn	100	30	ug/L			06/11/26 03:47	100
Chloromethane	ND	cn	200	55	ug/L			06/11/26 03:47	100
Chloroethane	ND	cn	100	30	ug/L			06/11/26 03:47	100
Vinyl chloride	140	cn	100	30	ug/L			06/11/26 03:47	100
Methylene Chloride	ND	cn	100	30	ug/L			06/11/26 03:47	100
Carbon disulfide	ND	cn	500	30	ug/L			06/11/26 03:47	100
Bromoform	ND	cn	400	100	ug/L			06/11/26 03:47	100
Bromodichloromethane	ND	cn	100	20	ug/L			06/11/26 03:47	100
1,1-Dichloroethane	53	J cn	100	30	ug/L			06/11/26 03:47	100
1,1-Dichloroethene	59	J cn	100	30	ug/L			06/11/26 03:47	100
Trichlorofluoromethane	ND	cn	100	30	ug/L			06/11/26 03:47	100
Dichlorodifluoromethane	ND	cn	100	30	ug/L			06/11/26 03:47	100
Freon 113	ND	cn	1000	30	ug/L			06/11/26 03:47	100
1,2-Dichloropropane	ND	cn	100	30	ug/L			06/11/26 03:47	100
2-Butanone	ND	cn	1000	100	ug/L			06/11/26 03:47	100
1,1,2-Trichloroethane	ND	cn	100	30	ug/L			06/11/26 03:47	100
Trichloroethene	8700	cn	100	30	ug/L			06/11/26 03:47	100
Methyl acetate	ND	cn	500	60	ug/L			06/11/26 03:47	100
1,1,2,2-Tetrachloroethane	ND	cn	100	30	ug/L			06/11/26 03:47	100
1,2-Dichlorobenzene	ND	cn	500	20	ug/L			06/11/26 03:47	100
1,2-Dibromo-3-Chloropropane	ND	cn	500	30	ug/L			06/11/26 03:47	100
Isopropylbenzene	ND	cn	500	30	ug/L			06/11/26 03:47	100

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-64

Date Collected: 05/28/26 15:50

Date Received: 05/28/26 18:15

Lab Sample ID: 410-285561-11

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97	cn	80 - 120		06/11/26 03:47	100
Dibromofluoromethane (Surr)	92	cn	80 - 120		06/11/26 03:47	100
4-Bromofluorobenzene (Surr)	99	cn	80 - 120		06/11/26 03:47	100
Toluene-d8 (Surr)	101	cn	80 - 120		06/11/26 03:47	100

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			05/29/26 15:03	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20	0.10	mg/L			06/09/26 21:09	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	59		4.4	1.2	ng/L		06/09/26 07:04	06/10/26 10:16	1
Perfluoropentanoic acid (PFPeA)	170		2.2	0.66	ng/L		06/09/26 07:04	06/10/26 10:16	1
Perfluorohexanoic acid (PFHxA)	110		2.2	0.55	ng/L		06/09/26 07:04	06/10/26 10:16	1
Perfluoroheptanoic acid (PFHpA)	120		2.2	0.88	ng/L		06/09/26 07:04	06/10/26 10:16	1
Perfluorooctanoic acid (PFOA)	97		2.2	0.99	ng/L		06/09/26 07:04	06/10/26 10:16	1
Perfluorononanoic acid (PFNA)	32		2.2	0.55	ng/L		06/09/26 07:04	06/10/26 10:16	1
Perfluorodecanoic acid (PFDA)	1.2 J		2.2	0.55	ng/L		06/09/26 07:04	06/10/26 10:16	1
Perfluoroundecanoic acid (PFUnA)	ND		2.2	0.55	ng/L		06/09/26 07:04	06/10/26 10:16	1
Perfluorododecanoic acid (PFDoA)	ND		2.2	0.55	ng/L		06/09/26 07:04	06/10/26 10:16	1
Perfluorotridecanoic acid (PFTTrDA)	ND		2.2	0.55	ng/L		06/09/26 07:04	06/10/26 10:16	1
Perfluorotetradecanoic acid (PFTeDA)	ND		2.2	0.55	ng/L		06/09/26 07:04	06/10/26 10:16	1
Perfluorobutanesulfonic acid (PFBS)	0.85 J		2.2	0.55	ng/L		06/09/26 07:04	06/10/26 10:16	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.2	0.55	ng/L		06/09/26 07:04	06/10/26 10:16	1
Perfluorohexanesulfonic acid (PFHxS)	1.3 J		2.2	0.88	ng/L		06/09/26 07:04	06/10/26 10:16	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.2	0.55	ng/L		06/09/26 07:04	06/10/26 10:16	1
Perfluorooctanesulfonic acid (PFOS)	4.7 I cn		2.2	1.4	ng/L		06/09/26 07:04	06/10/26 10:16	1
Perfluorononanesulfonic acid (PFNS)	ND		2.2	0.55	ng/L		06/09/26 07:04	06/10/26 10:16	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.2	0.55	ng/L		06/09/26 07:04	06/10/26 10:16	1
Perfluorododecanesulfonic acid (PFDoS)	ND		2.2	0.66	ng/L		06/09/26 07:04	06/10/26 10:16	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	2.6 J		4.4	1.1	ng/L		06/09/26 07:04	06/10/26 10:16	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	210		4.4	1.1	ng/L		06/09/26 07:04	06/10/26 10:16	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	33		4.4	1.1	ng/L		06/09/26 07:04	06/10/26 10:16	1
Perfluorooctanesulfonamide (PFOSA)	ND		2.2	0.55	ng/L		06/09/26 07:04	06/10/26 10:16	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		2.2	0.55	ng/L		06/09/26 07:04	06/10/26 10:16	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		2.2	1.2	ng/L		06/09/26 07:04	06/10/26 10:16	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.2	0.55	ng/L		06/09/26 07:04	06/10/26 10:16	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-64

Lab Sample ID: 410-285561-11

Date Collected: 05/28/26 15:50

Matrix: Water

Date Received: 05/28/26 18:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.2	0.55	ng/L		06/09/26 07:04	06/10/26 10:16	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		11	4.4	ng/L		06/09/26 07:04	06/10/26 10:16	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		11	4.4	ng/L		06/09/26 07:04	06/10/26 10:16	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		2.2	1.5	ng/L		06/09/26 07:04	06/10/26 10:16	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.2	0.55	ng/L		06/09/26 07:04	06/10/26 10:16	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.2	0.55	ng/L		06/09/26 07:04	06/10/26 10:16	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.2	0.55	ng/L		06/09/26 07:04	06/10/26 10:16	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.2	0.55	ng/L		06/09/26 07:04	06/10/26 10:16	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		2.2	0.55	ng/L		06/09/26 07:04	06/10/26 10:16	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.2	0.55	ng/L		06/09/26 07:04	06/10/26 10:16	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.2	0.55	ng/L		06/09/26 07:04	06/10/26 10:16	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		4.4	1.1	ng/L		06/09/26 07:04	06/10/26 10:16	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		11	3.1	ng/L		06/09/26 07:04	06/10/26 10:16	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		11	2.7	ng/L		06/09/26 07:04	06/10/26 10:16	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	88.3		5 - 130	06/09/26 07:04	06/10/26 10:16	1
13C5 PFPeA	84.7		40 - 130	06/09/26 07:04	06/10/26 10:16	1
13C5 PFHxA	84.4		40 - 130	06/09/26 07:04	06/10/26 10:16	1
13C4 PFHpA	81.9		40 - 130	06/09/26 07:04	06/10/26 10:16	1
13C8 PFOA	77.0		40 - 130	06/09/26 07:04	06/10/26 10:16	1
13C9 PFNA	75.8		40 - 130	06/09/26 07:04	06/10/26 10:16	1
13C6 PFDA	60.2		40 - 130	06/09/26 07:04	06/10/26 10:16	1
13C7 PFUnA	53.3		30 - 130	06/09/26 07:04	06/10/26 10:16	1
13C2 PFTeDA	33.7		10 - 130	06/09/26 07:04	06/10/26 10:16	1
13C3 PFBS	81.3		40 - 135	06/09/26 07:04	06/10/26 10:16	1
13C3 PFHxS	75.1		40 - 130	06/09/26 07:04	06/10/26 10:16	1
13C8 PFOS	56.2		40 - 130	06/09/26 07:04	06/10/26 10:16	1
13C8 FOSA	62.1		40 - 130	06/09/26 07:04	06/10/26 10:16	1
d3-NMeFOSAA	51.3		40 - 170	06/09/26 07:04	06/10/26 10:16	1
d5-NEtFOSAA	52.9		25 - 135	06/09/26 07:04	06/10/26 10:16	1
13C2 4:2 FTS	77.4		40 - 200	06/09/26 07:04	06/10/26 10:16	1
13C2 6:2 FTS	70.8		40 - 200	06/09/26 07:04	06/10/26 10:16	1
13C2 8:2 FTS	64.1		40 - 300	06/09/26 07:04	06/10/26 10:16	1
13C3 HFPO-DA	85.6		40 - 130	06/09/26 07:04	06/10/26 10:16	1
d7-N-MeFOSE-M	37.8		10 - 130	06/09/26 07:04	06/10/26 10:16	1
d9-N-EtFOSE-M	37.4		10 - 130	06/09/26 07:04	06/10/26 10:16	1
d5-NEtPFOSA	51.6		10 - 130	06/09/26 07:04	06/10/26 10:16	1
d3-NMePFOSA	55.3		10 - 130	06/09/26 07:04	06/10/26 10:16	1
13C2 PFDoA	43.4		10 - 130	06/09/26 07:04	06/10/26 10:16	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-64

Lab Sample ID: 410-285561-11

Date Collected: 05/28/26 15:50

Matrix: Water

Date Received: 05/28/26 18:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-3:3 FTCA	145	^c cn	20 - 150	06/09/26 07:04	06/10/26 10:16	1
13C3-5:3 FTCA	82.6		20 - 150	06/09/26 07:04	06/10/26 10:16	1
13C3-PFDoS	36.3		20 - 150	06/09/26 07:04	06/10/26 10:16	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0021	0.00057	mg/L		06/09/26 04:50	06/09/26 19:26	1
Nickel	0.0013		0.0010	0.00041	mg/L		06/09/26 04:50	06/09/26 19:26	1
Manganese	4.5		0.0021	0.00098	mg/L		06/09/26 04:50	06/09/26 19:26	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-32

Lab Sample ID: 410-285561-12

Date Collected: 05/27/26 08:25

Matrix: Water

Date Received: 05/28/26 18:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/09/26 03:45	1
trans-1,3-Dichloropropene	ND	^c cn	1.0	0.20	ug/L			06/09/26 03:45	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/09/26 03:45	1
Styrene	ND		5.0	0.30	ug/L			06/09/26 03:45	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/09/26 03:45	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/09/26 03:45	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/09/26 03:45	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/09/26 03:45	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/09/26 03:45	1
Toluene	ND		1.0	0.30	ug/L			06/09/26 03:45	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/09/26 03:45	1
Cyclohexane	ND		5.0	1.0	ug/L			06/09/26 03:45	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/09/26 03:45	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/09/26 03:45	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/09/26 03:45	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/09/26 03:45	1
cis-1,2-Dichloroethene	0.62	J	1.0	0.30	ug/L			06/09/26 03:45	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/09/26 03:45	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/09/26 03:45	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/09/26 03:45	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			06/09/26 03:45	1
2-Hexanone	ND		10	0.85	ug/L			06/09/26 03:45	1
Acetone	ND		20	0.70	ug/L			06/09/26 03:45	1
Chloroform	ND		1.0	0.30	ug/L			06/09/26 03:45	1
Benzene	ND		1.0	0.30	ug/L			06/09/26 03:45	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/09/26 03:45	1
Bromomethane	ND		1.0	0.30	ug/L			06/09/26 03:45	1
Chloromethane	ND		2.0	0.55	ug/L			06/09/26 03:45	1
Chloroethane	ND		1.0	0.30	ug/L			06/09/26 03:45	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/09/26 03:45	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/09/26 03:45	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/09/26 03:45	1
Bromoform	ND	^c cn	4.0	1.0	ug/L			06/09/26 03:45	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/09/26 03:45	1
1,1-Dichloroethane	0.33	J	1.0	0.30	ug/L			06/09/26 03:45	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/09/26 03:45	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/09/26 03:45	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/09/26 03:45	1
Freon 113	ND		10	0.30	ug/L			06/09/26 03:45	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/09/26 03:45	1
2-Butanone	ND		10	1.0	ug/L			06/09/26 03:45	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/09/26 03:45	1
Trichloroethene	0.30	J	1.0	0.30	ug/L			06/09/26 03:45	1
Methyl acetate	ND		5.0	0.60	ug/L			06/09/26 03:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/09/26 03:45	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/09/26 03:45	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/09/26 03:45	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/09/26 03:45	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-32

Date Collected: 05/27/26 08:25

Date Received: 05/28/26 18:15

Lab Sample ID: 410-285561-12

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		06/09/26 03:45	1
Dibromofluoromethane (Surr)	113		80 - 120		06/09/26 03:45	1
4-Bromofluorobenzene (Surr)	109		80 - 120		06/09/26 03:45	1
Toluene-d8 (Surr)	102		80 - 120		06/09/26 03:45	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	2.8	J	2.9	0.80	ng/L		06/09/26 07:04	06/10/26 10:57	1
Perfluoropentanoic acid (PFPeA)	ND		1.5	0.44	ng/L		06/09/26 07:04	06/10/26 10:57	1
Perfluorohexanoic acid (PFHxA)	1.3	J	1.5	0.36	ng/L		06/09/26 07:04	06/10/26 10:57	1
Perfluoroheptanoic acid (PFHpA)	1.6		1.5	0.58	ng/L		06/09/26 07:04	06/10/26 10:57	1
Perfluorooctanoic acid (PFOA)	3.9		1.5	0.65	ng/L		06/09/26 07:04	06/10/26 10:57	1
Perfluorononanoic acid (PFNA)	1.9		1.5	0.36	ng/L		06/09/26 07:04	06/10/26 10:57	1
Perfluorodecanoic acid (PFDA)	0.62	J	1.5	0.36	ng/L		06/09/26 07:04	06/10/26 10:57	1
Perfluoroundecanoic acid (PFUnA)	ND		1.5	0.36	ng/L		06/09/26 07:04	06/10/26 10:57	1
Perfluorododecanoic acid (PFDoA)	ND		1.5	0.36	ng/L		06/09/26 07:04	06/10/26 10:57	1
Perfluorotridecanoic acid (PFTrDA)	ND		1.5	0.36	ng/L		06/09/26 07:04	06/10/26 10:57	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.5	0.36	ng/L		06/09/26 07:04	06/10/26 10:57	1
Perfluorobutanesulfonic acid (PFBS)	3.6		1.5	0.36	ng/L		06/09/26 07:04	06/10/26 10:57	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.5	0.36	ng/L		06/09/26 07:04	06/10/26 10:57	1
Perfluorohexanesulfonic acid (PFHxS)	2.0		1.5	0.58	ng/L		06/09/26 07:04	06/10/26 10:57	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.5	0.36	ng/L		06/09/26 07:04	06/10/26 10:57	1
Perfluorooctanesulfonic acid (PFOS)	8.6		1.5	0.94	ng/L		06/09/26 07:04	06/10/26 10:57	1
Perfluorononanesulfonic acid (PFNS)	ND		1.5	0.36	ng/L		06/09/26 07:04	06/10/26 10:57	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.5	0.36	ng/L		06/09/26 07:04	06/10/26 10:57	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.5	0.44	ng/L		06/09/26 07:04	06/10/26 10:57	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.9	0.73	ng/L		06/09/26 07:04	06/10/26 10:57	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.9	0.73	ng/L		06/09/26 07:04	06/10/26 10:57	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.9	0.73	ng/L		06/09/26 07:04	06/10/26 10:57	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.5	0.36	ng/L		06/09/26 07:04	06/10/26 10:57	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.5	0.36	ng/L		06/09/26 07:04	06/10/26 10:57	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.5	0.80	ng/L		06/09/26 07:04	06/10/26 10:57	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.5	0.36	ng/L		06/09/26 07:04	06/10/26 10:57	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.5	0.36	ng/L		06/09/26 07:04	06/10/26 10:57	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		7.3	2.9	ng/L		06/09/26 07:04	06/10/26 10:57	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		7.3	2.9	ng/L		06/09/26 07:04	06/10/26 10:57	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.5	1.0	ng/L		06/09/26 07:04	06/10/26 10:57	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-32

Lab Sample ID: 410-285561-12

Date Collected: 05/27/26 08:25

Matrix: Water

Date Received: 05/28/26 18:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.5	0.36	ng/L		06/09/26 07:04	06/10/26 10:57	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.5	0.36	ng/L		06/09/26 07:04	06/10/26 10:57	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.5	0.36	ng/L		06/09/26 07:04	06/10/26 10:57	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.5	0.36	ng/L		06/09/26 07:04	06/10/26 10:57	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		1.5	0.36	ng/L		06/09/26 07:04	06/10/26 10:57	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.5	0.36	ng/L		06/09/26 07:04	06/10/26 10:57	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.5	0.36	ng/L		06/09/26 07:04	06/10/26 10:57	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		2.9	0.73	ng/L		06/09/26 07:04	06/10/26 10:57	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		7.3	2.0	ng/L		06/09/26 07:04	06/10/26 10:57	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		7.3	1.8	ng/L		06/09/26 07:04	06/10/26 10:57	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	84.2		5 - 130	06/09/26 07:04	06/10/26 10:57	1
13C5 PFPeA	85.3		40 - 130	06/09/26 07:04	06/10/26 10:57	1
13C5 PFHxA	86.3		40 - 130	06/09/26 07:04	06/10/26 10:57	1
13C4 PFHpA	81.4		40 - 130	06/09/26 07:04	06/10/26 10:57	1
13C8 PFOA	80.0		40 - 130	06/09/26 07:04	06/10/26 10:57	1
13C9 PFNA	77.0		40 - 130	06/09/26 07:04	06/10/26 10:57	1
13C6 PFDA	69.6		40 - 130	06/09/26 07:04	06/10/26 10:57	1
13C7 PFUnA	64.5		30 - 130	06/09/26 07:04	06/10/26 10:57	1
13C2 PFTeDA	40.5		10 - 130	06/09/26 07:04	06/10/26 10:57	1
13C3 PFBS	83.3		40 - 135	06/09/26 07:04	06/10/26 10:57	1
13C3 PFHxS	82.9		40 - 130	06/09/26 07:04	06/10/26 10:57	1
13C8 PFOS	70.9		40 - 130	06/09/26 07:04	06/10/26 10:57	1
13C8 FOSA	67.3		40 - 130	06/09/26 07:04	06/10/26 10:57	1
d3-NMeFOSAA	64.2		40 - 170	06/09/26 07:04	06/10/26 10:57	1
d5-NEtFOSAA	63.6		25 - 135	06/09/26 07:04	06/10/26 10:57	1
13C2 4:2 FTS	76.0		40 - 200	06/09/26 07:04	06/10/26 10:57	1
13C2 6:2 FTS	89.6		40 - 200	06/09/26 07:04	06/10/26 10:57	1
13C2 8:2 FTS	82.0		40 - 300	06/09/26 07:04	06/10/26 10:57	1
13C3 HFPO-DA	75.2		40 - 130	06/09/26 07:04	06/10/26 10:57	1
d7-N-MeFOSE-M	43.9		10 - 130	06/09/26 07:04	06/10/26 10:57	1
d9-N-EtFOSE-M	39.7		10 - 130	06/09/26 07:04	06/10/26 10:57	1
d5-NEtPFOSA	53.6		10 - 130	06/09/26 07:04	06/10/26 10:57	1
d3-NMePFOSA	58.2		10 - 130	06/09/26 07:04	06/10/26 10:57	1
13C2 PFDaA	61.2		10 - 130	06/09/26 07:04	06/10/26 10:57	1
13C3-3:3 FTCA	164	^c *5+ cn	20 - 150	06/09/26 07:04	06/10/26 10:57	1
13C3-5:3 FTCA	91.9		20 - 150	06/09/26 07:04	06/10/26 10:57	1
13C3-PFDoS	42.9		20 - 150	06/09/26 07:04	06/10/26 10:57	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-33

Lab Sample ID: 410-285561-13

Date Collected: 05/26/26 10:00

Matrix: Water

Date Received: 05/28/26 18:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/08/26 13:48	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/08/26 13:48	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/08/26 13:48	1
Styrene	ND		5.0	0.30	ug/L			06/08/26 13:48	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/08/26 13:48	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/08/26 13:48	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/08/26 13:48	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/08/26 13:48	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/08/26 13:48	1
Toluene	ND		1.0	0.30	ug/L			06/08/26 13:48	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/08/26 13:48	1
Cyclohexane	ND		5.0	1.0	ug/L			06/08/26 13:48	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/08/26 13:48	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/08/26 13:48	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/08/26 13:48	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/08/26 13:48	1
cis-1,2-Dichloroethene	4.2		1.0	0.30	ug/L			06/08/26 13:48	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/08/26 13:48	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/08/26 13:48	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/08/26 13:48	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/08/26 13:48	1
2-Hexanone	ND		10	0.85	ug/L			06/08/26 13:48	1
Acetone	ND		20	0.70	ug/L			06/08/26 13:48	1
Chloroform	ND		1.0	0.30	ug/L			06/08/26 13:48	1
Benzene	ND		1.0	0.30	ug/L			06/08/26 13:48	1
1,1,1-Trichloroethane	4.5		1.0	0.30	ug/L			06/08/26 13:48	1
Bromomethane	ND		1.0	0.30	ug/L			06/08/26 13:48	1
Chloromethane	ND		2.0	0.55	ug/L			06/08/26 13:48	1
Chloroethane	ND		1.0	0.30	ug/L			06/08/26 13:48	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/08/26 13:48	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/08/26 13:48	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/08/26 13:48	1
Bromoform	ND		4.0	1.0	ug/L			06/08/26 13:48	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/08/26 13:48	1
1,1-Dichloroethane	1.0		1.0	0.30	ug/L			06/08/26 13:48	1
1,1-Dichloroethene	0.32 J		1.0	0.30	ug/L			06/08/26 13:48	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/08/26 13:48	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/08/26 13:48	1
Freon 113	ND		10	0.30	ug/L			06/08/26 13:48	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/08/26 13:48	1
2-Butanone	ND		10	1.0	ug/L			06/08/26 13:48	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/08/26 13:48	1
Trichloroethene	2.4		1.0	0.30	ug/L			06/08/26 13:48	1
Methyl acetate	ND		5.0	0.60	ug/L			06/08/26 13:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/08/26 13:48	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/08/26 13:48	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/08/26 13:48	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/08/26 13:48	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-33

Lab Sample ID: 410-285561-13

Date Collected: 05/26/26 10:00

Matrix: Water

Date Received: 05/28/26 18:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		06/08/26 13:48	1
Dibromofluoromethane (Surr)	105		80 - 120		06/08/26 13:48	1
4-Bromofluorobenzene (Surr)	111		80 - 120		06/08/26 13:48	1
Toluene-d8 (Surr)	91		80 - 120		06/08/26 13:48	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	15		3.1	0.85	ng/L		06/09/26 07:04	06/10/26 11:10	1
Perfluoropentanoic acid (PFPeA)	32		1.5	0.46	ng/L		06/09/26 07:04	06/10/26 11:10	1
Perfluorohexanoic acid (PFHxA)	22		1.5	0.39	ng/L		06/09/26 07:04	06/10/26 11:10	1
Perfluoroheptanoic acid (PFHpA)	17		1.5	0.62	ng/L		06/09/26 07:04	06/10/26 11:10	1
Perfluorooctanoic acid (PFOA)	51		1.5	0.70	ng/L		06/09/26 07:04	06/10/26 11:10	1
Perfluorononanoic acid (PFNA)	8.2		1.5	0.39	ng/L		06/09/26 07:04	06/10/26 11:10	1
Perfluorodecanoic acid (PFDA)	0.66	J	1.5	0.39	ng/L		06/09/26 07:04	06/10/26 11:10	1
Perfluoroundecanoic acid (PFUnA)	ND		1.5	0.39	ng/L		06/09/26 07:04	06/10/26 11:10	1
Perfluorododecanoic acid (PFDoA)	ND		1.5	0.39	ng/L		06/09/26 07:04	06/10/26 11:10	1
Perfluorotridecanoic acid (PFTrDA)	ND		1.5	0.39	ng/L		06/09/26 07:04	06/10/26 11:10	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.5	0.39	ng/L		06/09/26 07:04	06/10/26 11:10	1
Perfluorobutanesulfonic acid (PFBS)	16		1.5	0.39	ng/L		06/09/26 07:04	06/10/26 11:10	1
Perfluoropentanesulfonic acid (PFPeS)	10		1.5	0.39	ng/L		06/09/26 07:04	06/10/26 11:10	1
Perfluorohexanesulfonic acid (PFHxS)	44		1.5	0.62	ng/L		06/09/26 07:04	06/10/26 11:10	1
Perfluoroheptanesulfonic acid (PFHpS)	5.4		1.5	0.39	ng/L		06/09/26 07:04	06/10/26 11:10	1
Perfluorooctanesulfonic acid (PFOS)	660		1.5	1.0	ng/L		06/09/26 07:04	06/10/26 11:10	1
Perfluorononanesulfonic acid (PFNS)	ND		1.5	0.39	ng/L		06/09/26 07:04	06/10/26 11:10	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.5	0.39	ng/L		06/09/26 07:04	06/10/26 11:10	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.5	0.46	ng/L		06/09/26 07:04	06/10/26 11:10	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.1	0.77	ng/L		06/09/26 07:04	06/10/26 11:10	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		3.1	0.77	ng/L		06/09/26 07:04	06/10/26 11:10	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.1	0.77	ng/L		06/09/26 07:04	06/10/26 11:10	1
Perfluorooctanesulfonamide (PFOSA)	5.3		1.5	0.39	ng/L		06/09/26 07:04	06/10/26 11:10	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.5	0.39	ng/L		06/09/26 07:04	06/10/26 11:10	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.5	0.85	ng/L		06/09/26 07:04	06/10/26 11:10	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.9		1.5	0.39	ng/L		06/09/26 07:04	06/10/26 11:10	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.5	0.39	ng/L		06/09/26 07:04	06/10/26 11:10	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		7.7	3.1	ng/L		06/09/26 07:04	06/10/26 11:10	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		7.7	3.1	ng/L		06/09/26 07:04	06/10/26 11:10	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.5	1.1	ng/L		06/09/26 07:04	06/10/26 11:10	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-33

Lab Sample ID: 410-285561-13

Date Collected: 05/26/26 10:00

Matrix: Water

Date Received: 05/28/26 18:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.5	0.39	ng/L		06/09/26 07:04	06/10/26 11:10	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.5	0.39	ng/L		06/09/26 07:04	06/10/26 11:10	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.5	0.39	ng/L		06/09/26 07:04	06/10/26 11:10	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.5	0.39	ng/L		06/09/26 07:04	06/10/26 11:10	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		1.5	0.39	ng/L		06/09/26 07:04	06/10/26 11:10	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.5	0.39	ng/L		06/09/26 07:04	06/10/26 11:10	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.5	0.39	ng/L		06/09/26 07:04	06/10/26 11:10	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.1	0.77	ng/L		06/09/26 07:04	06/10/26 11:10	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		7.7	2.2	ng/L		06/09/26 07:04	06/10/26 11:10	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		7.7	1.9	ng/L		06/09/26 07:04	06/10/26 11:10	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	87.4		5 - 130	06/09/26 07:04	06/10/26 11:10	1
13C5 PFPeA	85.0		40 - 130	06/09/26 07:04	06/10/26 11:10	1
13C5 PFHxA	84.8		40 - 130	06/09/26 07:04	06/10/26 11:10	1
13C4 PFHpA	79.1		40 - 130	06/09/26 07:04	06/10/26 11:10	1
13C8 PFOA	74.8		40 - 130	06/09/26 07:04	06/10/26 11:10	1
13C9 PFNA	73.6		40 - 130	06/09/26 07:04	06/10/26 11:10	1
13C6 PFDA	68.6		40 - 130	06/09/26 07:04	06/10/26 11:10	1
13C7 PFUnA	67.5		30 - 130	06/09/26 07:04	06/10/26 11:10	1
13C2 PFTeDA	53.9		10 - 130	06/09/26 07:04	06/10/26 11:10	1
13C3 PFBS	82.5		40 - 135	06/09/26 07:04	06/10/26 11:10	1
13C3 PFHxS	74.0		40 - 130	06/09/26 07:04	06/10/26 11:10	1
13C8 PFOS	66.1		40 - 130	06/09/26 07:04	06/10/26 11:10	1
13C8 FOSA	69.1		40 - 130	06/09/26 07:04	06/10/26 11:10	1
d3-NMeFOSAA	59.9		40 - 170	06/09/26 07:04	06/10/26 11:10	1
d5-NEtFOSAA	57.7		25 - 135	06/09/26 07:04	06/10/26 11:10	1
13C2 4:2 FTS	91.5		40 - 200	06/09/26 07:04	06/10/26 11:10	1
13C2 6:2 FTS	77.6		40 - 200	06/09/26 07:04	06/10/26 11:10	1
13C2 8:2 FTS	68.7		40 - 300	06/09/26 07:04	06/10/26 11:10	1
13C3 HFPO-DA	82.5		40 - 130	06/09/26 07:04	06/10/26 11:10	1
d7-N-MeFOSE-M	41.9		10 - 130	06/09/26 07:04	06/10/26 11:10	1
d9-N-EtFOSE-M	40.9		10 - 130	06/09/26 07:04	06/10/26 11:10	1
d5-NEtPFOSA	56.6		10 - 130	06/09/26 07:04	06/10/26 11:10	1
d3-NMePFOSA	59.9		10 - 130	06/09/26 07:04	06/10/26 11:10	1
13C2 PFDaA	66.0		10 - 130	06/09/26 07:04	06/10/26 11:10	1
13C3-3:3 FTCA	143	^c cn	20 - 150	06/09/26 07:04	06/10/26 11:10	1
13C3-5:3 FTCA	83.0		20 - 150	06/09/26 07:04	06/10/26 11:10	1
13C3-PFDoS	58.4		20 - 150	06/09/26 07:04	06/10/26 11:10	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-35

Lab Sample ID: 410-285561-14

Date Collected: 05/26/26 10:15

Matrix: Water

Date Received: 05/28/26 18:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/08/26 13:26	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/08/26 13:26	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/08/26 13:26	1
Styrene	ND		5.0	0.30	ug/L			06/08/26 13:26	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/08/26 13:26	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/08/26 13:26	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/08/26 13:26	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/08/26 13:26	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/08/26 13:26	1
Toluene	ND		1.0	0.30	ug/L			06/08/26 13:26	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/08/26 13:26	1
Cyclohexane	ND		5.0	1.0	ug/L			06/08/26 13:26	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/08/26 13:26	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/08/26 13:26	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/08/26 13:26	1
Tetrachloroethene	0.34	J	1.0	0.30	ug/L			06/08/26 13:26	1
cis-1,2-Dichloroethene	22		1.0	0.30	ug/L			06/08/26 13:26	1
trans-1,2-Dichloroethene	0.90	J	2.0	0.70	ug/L			06/08/26 13:26	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/08/26 13:26	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/08/26 13:26	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/08/26 13:26	1
2-Hexanone	ND		10	0.85	ug/L			06/08/26 13:26	1
Acetone	1.4	J	20	0.70	ug/L			06/08/26 13:26	1
Chloroform	ND		1.0	0.30	ug/L			06/08/26 13:26	1
Benzene	0.39	J	1.0	0.30	ug/L			06/08/26 13:26	1
1,1,1-Trichloroethane	13		1.0	0.30	ug/L			06/08/26 13:26	1
Bromomethane	ND		1.0	0.30	ug/L			06/08/26 13:26	1
Chloromethane	ND		2.0	0.55	ug/L			06/08/26 13:26	1
Chloroethane	ND		1.0	0.30	ug/L			06/08/26 13:26	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/08/26 13:26	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/08/26 13:26	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/08/26 13:26	1
Bromoform	ND		4.0	1.0	ug/L			06/08/26 13:26	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/08/26 13:26	1
1,1-Dichloroethane	4.7		1.0	0.30	ug/L			06/08/26 13:26	1
1,1-Dichloroethene	1.1		1.0	0.30	ug/L			06/08/26 13:26	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/08/26 13:26	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/08/26 13:26	1
Freon 113	0.64	J	10	0.30	ug/L			06/08/26 13:26	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/08/26 13:26	1
2-Butanone	ND		10	1.0	ug/L			06/08/26 13:26	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/08/26 13:26	1
Trichloroethene	7.5		1.0	0.30	ug/L			06/08/26 13:26	1
Methyl acetate	ND		5.0	0.60	ug/L			06/08/26 13:26	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/08/26 13:26	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/08/26 13:26	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/08/26 13:26	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/08/26 13:26	1

Euofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-35

Lab Sample ID: 410-285561-14

Date Collected: 05/26/26 10:15

Matrix: Water

Date Received: 05/28/26 18:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		06/08/26 13:26	1
Dibromofluoromethane (Surr)	103		80 - 120		06/08/26 13:26	1
4-Bromofluorobenzene (Surr)	111		80 - 120		06/08/26 13:26	1
Toluene-d8 (Surr)	93		80 - 120		06/08/26 13:26	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	14	cn	3.2	0.89	ng/L		06/09/26 07:04	06/10/26 11:24	1
Perfluoropentanoic acid (PFPeA)	27	cn	1.6	0.49	ng/L		06/09/26 07:04	06/10/26 11:24	1
Perfluorohexanoic acid (PFHxA)	19	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 11:24	1
Perfluoroheptanoic acid (PFHpA)	12	cn	1.6	0.65	ng/L		06/09/26 07:04	06/10/26 11:24	1
Perfluorooctanoic acid (PFOA)	14	cn	1.6	0.73	ng/L		06/09/26 07:04	06/10/26 11:24	1
Perfluorononanoic acid (PFNA)	3.5	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 11:24	1
Perfluorodecanoic acid (PFDA)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 11:24	1
Perfluoroundecanoic acid (PFUnA)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 11:24	1
Perfluorododecanoic acid (PFDoA)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 11:24	1
Perfluorotridecanoic acid (PFTrDA)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 11:24	1
Perfluorotetradecanoic acid (PFTeDA)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 11:24	1
Perfluorobutanesulfonic acid (PFBS)	3.2	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 11:24	1
Perfluoropentanesulfonic acid (PFPeS)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 11:24	1
Perfluorohexanesulfonic acid (PFHxS)	2.1	cn	1.6	0.65	ng/L		06/09/26 07:04	06/10/26 11:24	1
Perfluoroheptanesulfonic acid (PFHpS)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 11:24	1
Perfluorooctanesulfonic acid (PFOS)	5.5	I cn	1.6	1.1	ng/L		06/09/26 07:04	06/10/26 11:24	1
Perfluorononanesulfonic acid (PFNS)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 11:24	1
Perfluorodecanesulfonic acid (PFDS)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 11:24	1
Perfluorododecanesulfonic acid (PFDoS)	ND	cn	1.6	0.49	ng/L		06/09/26 07:04	06/10/26 11:24	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND	cn	3.2	0.81	ng/L		06/09/26 07:04	06/10/26 11:24	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND	cn	3.2	0.81	ng/L		06/09/26 07:04	06/10/26 11:24	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND	cn	3.2	0.81	ng/L		06/09/26 07:04	06/10/26 11:24	1
Perfluorooctanesulfonamide (PFOSA)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 11:24	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 11:24	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND	cn	1.6	0.89	ng/L		06/09/26 07:04	06/10/26 11:24	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 11:24	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 11:24	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND	cn	8.1	3.2	ng/L		06/09/26 07:04	06/10/26 11:24	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND	cn	8.1	3.2	ng/L		06/09/26 07:04	06/10/26 11:24	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	cn	1.6	1.1	ng/L		06/09/26 07:04	06/10/26 11:24	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-35

Lab Sample ID: 410-285561-14

Date Collected: 05/26/26 10:15

Matrix: Water

Date Received: 05/28/26 18:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 11:24	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 11:24	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 11:24	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 11:24	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9CI-PF3ONS)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 11:24	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11CI-PF3OUdS)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 11:24	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 11:24	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND	cn	3.2	0.81	ng/L		06/09/26 07:04	06/10/26 11:24	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND	cn	8.1	2.3	ng/L		06/09/26 07:04	06/10/26 11:24	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND	cn	8.1	2.0	ng/L		06/09/26 07:04	06/10/26 11:24	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	86.3	cn	5 - 130	06/09/26 07:04	06/10/26 11:24	1
13C5 PFPeA	90.3	cn	40 - 130	06/09/26 07:04	06/10/26 11:24	1
13C5 PFHxA	81.1	cn	40 - 130	06/09/26 07:04	06/10/26 11:24	1
13C4 PFHpA	86.3	cn	40 - 130	06/09/26 07:04	06/10/26 11:24	1
13C8 PFOA	79.1	cn	40 - 130	06/09/26 07:04	06/10/26 11:24	1
13C9 PFNA	81.0	cn	40 - 130	06/09/26 07:04	06/10/26 11:24	1
13C6 PFDA	73.5	cn	40 - 130	06/09/26 07:04	06/10/26 11:24	1
13C7 PFUnA	58.6	cn	30 - 130	06/09/26 07:04	06/10/26 11:24	1
13C2 PFTeDA	13.1	cn	10 - 130	06/09/26 07:04	06/10/26 11:24	1
13C3 PFBS	87.6	cn	40 - 135	06/09/26 07:04	06/10/26 11:24	1
13C3 PFHxS	82.5	cn	40 - 130	06/09/26 07:04	06/10/26 11:24	1
13C8 PFOS	68.1	cn	40 - 130	06/09/26 07:04	06/10/26 11:24	1
13C8 FOSA	61.2	cn	40 - 130	06/09/26 07:04	06/10/26 11:24	1
d3-NMeFOSAA	61.9	cn	40 - 170	06/09/26 07:04	06/10/26 11:24	1
d5-NEtFOSAA	54.1	cn	25 - 135	06/09/26 07:04	06/10/26 11:24	1
13C2 4:2 FTS	81.1	cn	40 - 200	06/09/26 07:04	06/10/26 11:24	1
13C2 6:2 FTS	103	cn	40 - 200	06/09/26 07:04	06/10/26 11:24	1
13C2 8:2 FTS	80.0	cn	40 - 300	06/09/26 07:04	06/10/26 11:24	1
13C3 HFPO-DA	88.4	cn	40 - 130	06/09/26 07:04	06/10/26 11:24	1
d7-N-MeFOSE-M	25.0	cn	10 - 130	06/09/26 07:04	06/10/26 11:24	1
d9-N-EtFOSE-M	17.6	cn	10 - 130	06/09/26 07:04	06/10/26 11:24	1
d5-NEtPFOSA	27.9	cn	10 - 130	06/09/26 07:04	06/10/26 11:24	1
d3-NMePFOSA	34.6	cn	10 - 130	06/09/26 07:04	06/10/26 11:24	1
13C2 PFDoA	40.5	cn	10 - 130	06/09/26 07:04	06/10/26 11:24	1
13C3-3:3 FTCA	132	^c cn	20 - 150	06/09/26 07:04	06/10/26 11:24	1
13C3-5:3 FTCA	90.3	cn	20 - 150	06/09/26 07:04	06/10/26 11:24	1
13C3-PFDoS	16.1	*5- cn	20 - 150	06/09/26 07:04	06/10/26 11:24	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: PZ-5

Lab Sample ID: 410-285561-15

Date Collected: 05/26/26 10:45

Matrix: Water

Date Received: 05/28/26 18:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/08/26 14:10	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/08/26 14:10	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/08/26 14:10	1
Styrene	ND		5.0	0.30	ug/L			06/08/26 14:10	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/08/26 14:10	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/08/26 14:10	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/08/26 14:10	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/08/26 14:10	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/08/26 14:10	1
Toluene	ND		1.0	0.30	ug/L			06/08/26 14:10	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/08/26 14:10	1
Cyclohexane	ND		5.0	1.0	ug/L			06/08/26 14:10	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/08/26 14:10	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/08/26 14:10	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/08/26 14:10	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/08/26 14:10	1
cis-1,2-Dichloroethene	0.41	J	1.0	0.30	ug/L			06/08/26 14:10	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/08/26 14:10	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/08/26 14:10	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/08/26 14:10	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/08/26 14:10	1
2-Hexanone	ND		10	0.85	ug/L			06/08/26 14:10	1
Acetone	ND		20	0.70	ug/L			06/08/26 14:10	1
Chloroform	ND		1.0	0.30	ug/L			06/08/26 14:10	1
Benzene	ND		1.0	0.30	ug/L			06/08/26 14:10	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/08/26 14:10	1
Bromomethane	ND		1.0	0.30	ug/L			06/08/26 14:10	1
Chloromethane	ND		2.0	0.55	ug/L			06/08/26 14:10	1
Chloroethane	ND		1.0	0.30	ug/L			06/08/26 14:10	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/08/26 14:10	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/08/26 14:10	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/08/26 14:10	1
Bromoform	ND		4.0	1.0	ug/L			06/08/26 14:10	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/08/26 14:10	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/08/26 14:10	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/08/26 14:10	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/08/26 14:10	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/08/26 14:10	1
Freon 113	ND		10	0.30	ug/L			06/08/26 14:10	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/08/26 14:10	1
2-Butanone	ND		10	1.0	ug/L			06/08/26 14:10	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/08/26 14:10	1
Trichloroethene	0.48	J	1.0	0.30	ug/L			06/08/26 14:10	1
Methyl acetate	ND		5.0	0.60	ug/L			06/08/26 14:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/08/26 14:10	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/08/26 14:10	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/08/26 14:10	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/08/26 14:10	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: PZ-5

Lab Sample ID: 410-285561-15

Date Collected: 05/26/26 10:45

Matrix: Water

Date Received: 05/28/26 18:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		06/08/26 14:10	1
Dibromofluoromethane (Surr)	104		80 - 120		06/08/26 14:10	1
4-Bromofluorobenzene (Surr)	108		80 - 120		06/08/26 14:10	1
Toluene-d8 (Surr)	92		80 - 120		06/08/26 14:10	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	23	cn	3.2	0.88	ng/L		06/09/26 07:04	06/10/26 11:37	1
Perfluoropentanoic acid (PFPeA)	55	cn	1.6	0.48	ng/L		06/09/26 07:04	06/10/26 11:37	1
Perfluorohexanoic acid (PFHxA)	34	cn	1.6	0.40	ng/L		06/09/26 07:04	06/10/26 11:37	1
Perfluoroheptanoic acid (PFHpA)	25	cn	1.6	0.64	ng/L		06/09/26 07:04	06/10/26 11:37	1
Perfluorooctanoic acid (PFOA)	23	cn	1.6	0.72	ng/L		06/09/26 07:04	06/10/26 11:37	1
Perfluorononanoic acid (PFNA)	7.2	cn	1.6	0.40	ng/L		06/09/26 07:04	06/10/26 11:37	1
Perfluorodecanoic acid (PFDA)	0.84	J cn	1.6	0.40	ng/L		06/09/26 07:04	06/10/26 11:37	1
Perfluoroundecanoic acid (PFUnA)	ND	cn	1.6	0.40	ng/L		06/09/26 07:04	06/10/26 11:37	1
Perfluorododecanoic acid (PFDoA)	ND	cn	1.6	0.40	ng/L		06/09/26 07:04	06/10/26 11:37	1
Perfluorotridecanoic acid (PFTrDA)	ND	cn	1.6	0.40	ng/L		06/09/26 07:04	06/10/26 11:37	1
Perfluorotetradecanoic acid (PFTeDA)	ND	cn	1.6	0.40	ng/L		06/09/26 07:04	06/10/26 11:37	1
Perfluorobutanesulfonic acid (PFBS)	7.2	cn	1.6	0.40	ng/L		06/09/26 07:04	06/10/26 11:37	1
Perfluoropentanesulfonic acid (PFPeS)	0.49	J cn	1.6	0.40	ng/L		06/09/26 07:04	06/10/26 11:37	1
Perfluorohexanesulfonic acid (PFHxS)	2.3	cn	1.6	0.64	ng/L		06/09/26 07:04	06/10/26 11:37	1
Perfluoroheptanesulfonic acid (PFHpS)	ND	cn	1.6	0.40	ng/L		06/09/26 07:04	06/10/26 11:37	1
Perfluorooctanesulfonic acid (PFOS)	9.3	cn	1.6	1.0	ng/L		06/09/26 07:04	06/10/26 11:37	1
Perfluorononanesulfonic acid (PFNS)	ND	cn	1.6	0.40	ng/L		06/09/26 07:04	06/10/26 11:37	1
Perfluorodecanesulfonic acid (PFDS)	ND	cn	1.6	0.40	ng/L		06/09/26 07:04	06/10/26 11:37	1
Perfluorododecanesulfonic acid (PFDoS)	ND	cn	1.6	0.48	ng/L		06/09/26 07:04	06/10/26 11:37	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND	cn	3.2	0.80	ng/L		06/09/26 07:04	06/10/26 11:37	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND	cn	3.2	0.80	ng/L		06/09/26 07:04	06/10/26 11:37	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND	cn	3.2	0.80	ng/L		06/09/26 07:04	06/10/26 11:37	1
Perfluorooctanesulfonamide (PFOSA)	ND	cn	1.6	0.40	ng/L		06/09/26 07:04	06/10/26 11:37	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND	cn	1.6	0.40	ng/L		06/09/26 07:04	06/10/26 11:37	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND	cn	1.6	0.88	ng/L		06/09/26 07:04	06/10/26 11:37	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND	cn	1.6	0.40	ng/L		06/09/26 07:04	06/10/26 11:37	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND	cn	1.6	0.40	ng/L		06/09/26 07:04	06/10/26 11:37	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND	cn	8.0	3.2	ng/L		06/09/26 07:04	06/10/26 11:37	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND	cn	8.0	3.2	ng/L		06/09/26 07:04	06/10/26 11:37	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	cn	1.6	1.1	ng/L		06/09/26 07:04	06/10/26 11:37	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: PZ-5

Lab Sample ID: 410-285561-15

Date Collected: 05/26/26 10:45

Matrix: Water

Date Received: 05/28/26 18:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	cn	1.6	0.40	ng/L		06/09/26 07:04	06/10/26 11:37	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	cn	1.6	0.40	ng/L		06/09/26 07:04	06/10/26 11:37	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	cn	1.6	0.40	ng/L		06/09/26 07:04	06/10/26 11:37	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	cn	1.6	0.40	ng/L		06/09/26 07:04	06/10/26 11:37	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND	cn	1.6	0.40	ng/L		06/09/26 07:04	06/10/26 11:37	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND	cn	1.6	0.40	ng/L		06/09/26 07:04	06/10/26 11:37	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND	cn	1.6	0.40	ng/L		06/09/26 07:04	06/10/26 11:37	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND	cn	3.2	0.80	ng/L		06/09/26 07:04	06/10/26 11:37	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND	cn	8.0	2.3	ng/L		06/09/26 07:04	06/10/26 11:37	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND	cn	8.0	2.0	ng/L		06/09/26 07:04	06/10/26 11:37	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	87.9	cn	5 - 130	06/09/26 07:04	06/10/26 11:37	1
13C5 PFPeA	84.3	cn	40 - 130	06/09/26 07:04	06/10/26 11:37	1
13C5 PFHxA	85.4	cn	40 - 130	06/09/26 07:04	06/10/26 11:37	1
13C4 PFHpA	82.8	cn	40 - 130	06/09/26 07:04	06/10/26 11:37	1
13C8 PFOA	81.8	cn	40 - 130	06/09/26 07:04	06/10/26 11:37	1
13C9 PFNA	80.3	cn	40 - 130	06/09/26 07:04	06/10/26 11:37	1
13C6 PFDA	75.8	cn	40 - 130	06/09/26 07:04	06/10/26 11:37	1
13C7 PFUnA	65.6	cn	30 - 130	06/09/26 07:04	06/10/26 11:37	1
13C2 PFTeDA	24.9	cn	10 - 130	06/09/26 07:04	06/10/26 11:37	1
13C3 PFBS	87.6	cn	40 - 135	06/09/26 07:04	06/10/26 11:37	1
13C3 PFHxS	85.5	cn	40 - 130	06/09/26 07:04	06/10/26 11:37	1
13C8 PFOS	76.5	cn	40 - 130	06/09/26 07:04	06/10/26 11:37	1
13C8 FOSA	64.7	cn	40 - 130	06/09/26 07:04	06/10/26 11:37	1
d3-NMeFOSAA	63.4	cn	40 - 170	06/09/26 07:04	06/10/26 11:37	1
d5-NEtFOSAA	61.1	cn	25 - 135	06/09/26 07:04	06/10/26 11:37	1
13C2 4:2 FTS	88.8	cn	40 - 200	06/09/26 07:04	06/10/26 11:37	1
13C2 6:2 FTS	102	cn	40 - 200	06/09/26 07:04	06/10/26 11:37	1
13C2 8:2 FTS	79.7	cn	40 - 300	06/09/26 07:04	06/10/26 11:37	1
13C3 HFPO-DA	90.8	cn	40 - 130	06/09/26 07:04	06/10/26 11:37	1
d7-N-MeFOSE-M	31.6	cn	10 - 130	06/09/26 07:04	06/10/26 11:37	1
d9-N-EtFOSE-M	25.5	cn	10 - 130	06/09/26 07:04	06/10/26 11:37	1
d5-NEtPFOSA	30.9	cn	10 - 130	06/09/26 07:04	06/10/26 11:37	1
d3-NMePFOSA	37.8	cn	10 - 130	06/09/26 07:04	06/10/26 11:37	1
13C2 PFDoA	48.3	cn	10 - 130	06/09/26 07:04	06/10/26 11:37	1
13C3-3:3 FTCA	143	^c cn	20 - 150	06/09/26 07:04	06/10/26 11:37	1
13C3-5:3 FTCA	90.4	cn	20 - 150	06/09/26 07:04	06/10/26 11:37	1
13C3-PFDoS	29.0	cn	20 - 150	06/09/26 07:04	06/10/26 11:37	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: PZ-8

Lab Sample ID: 410-285561-16

Date Collected: 05/27/26 09:20

Matrix: Water

Date Received: 05/28/26 18:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/09/26 04:06	1
trans-1,3-Dichloropropene	ND	^c cn	1.0	0.20	ug/L			06/09/26 04:06	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/09/26 04:06	1
Styrene	ND		5.0	0.30	ug/L			06/09/26 04:06	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/09/26 04:06	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/09/26 04:06	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/09/26 04:06	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/09/26 04:06	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/09/26 04:06	1
Toluene	ND		1.0	0.30	ug/L			06/09/26 04:06	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/09/26 04:06	1
Cyclohexane	ND		5.0	1.0	ug/L			06/09/26 04:06	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/09/26 04:06	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/09/26 04:06	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/09/26 04:06	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/09/26 04:06	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/09/26 04:06	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/09/26 04:06	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/09/26 04:06	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/09/26 04:06	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			06/09/26 04:06	1
2-Hexanone	ND		10	0.85	ug/L			06/09/26 04:06	1
Acetone	ND		20	0.70	ug/L			06/09/26 04:06	1
Chloroform	0.50	J	1.0	0.30	ug/L			06/09/26 04:06	1
Benzene	ND		1.0	0.30	ug/L			06/09/26 04:06	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/09/26 04:06	1
Bromomethane	ND		1.0	0.30	ug/L			06/09/26 04:06	1
Chloromethane	ND		2.0	0.55	ug/L			06/09/26 04:06	1
Chloroethane	ND		1.0	0.30	ug/L			06/09/26 04:06	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/09/26 04:06	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/09/26 04:06	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/09/26 04:06	1
Bromoform	ND	^c cn	4.0	1.0	ug/L			06/09/26 04:06	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/09/26 04:06	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/09/26 04:06	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/09/26 04:06	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/09/26 04:06	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/09/26 04:06	1
Freon 113	ND		10	0.30	ug/L			06/09/26 04:06	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/09/26 04:06	1
2-Butanone	ND		10	1.0	ug/L			06/09/26 04:06	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/09/26 04:06	1
Trichloroethene	ND		1.0	0.30	ug/L			06/09/26 04:06	1
Methyl acetate	ND		5.0	0.60	ug/L			06/09/26 04:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/09/26 04:06	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/09/26 04:06	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/09/26 04:06	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/09/26 04:06	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: PZ-8

Lab Sample ID: 410-285561-16

Date Collected: 05/27/26 09:20

Matrix: Water

Date Received: 05/28/26 18:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		80 - 120		06/09/26 04:06	1
Dibromofluoromethane (Surr)	111		80 - 120		06/09/26 04:06	1
4-Bromofluorobenzene (Surr)	100		80 - 120		06/09/26 04:06	1
Toluene-d8 (Surr)	97		80 - 120		06/09/26 04:06	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	19	cn	3.4	0.92	ng/L		06/09/26 07:04	06/10/26 11:51	1
Perfluoropentanoic acid (PFPeA)	20	cn	1.7	0.50	ng/L		06/09/26 07:04	06/10/26 11:51	1
Perfluorohexanoic acid (PFHxA)	11	cn	1.7	0.42	ng/L		06/09/26 07:04	06/10/26 11:51	1
Perfluoroheptanoic acid (PFHpA)	7.1	cn	1.7	0.67	ng/L		06/09/26 07:04	06/10/26 11:51	1
Perfluorooctanoic acid (PFOA)	9.1	cn	1.7	0.75	ng/L		06/09/26 07:04	06/10/26 11:51	1
Perfluorononanoic acid (PFNA)	3.9	cn	1.7	0.42	ng/L		06/09/26 07:04	06/10/26 11:51	1
Perfluorodecanoic acid (PFDA)	ND	cn	1.7	0.42	ng/L		06/09/26 07:04	06/10/26 11:51	1
Perfluoroundecanoic acid (PFUnA)	0.54	J cn	1.7	0.42	ng/L		06/09/26 07:04	06/10/26 11:51	1
Perfluorododecanoic acid (PFDoA)	ND	cn	1.7	0.42	ng/L		06/09/26 07:04	06/10/26 11:51	1
Perfluorotridecanoic acid (PFTTrDA)	ND	cn	1.7	0.42	ng/L		06/09/26 07:04	06/10/26 11:51	1
Perfluorotetradecanoic acid (PFTeDA)	ND	cn	1.7	0.42	ng/L		06/09/26 07:04	06/10/26 11:51	1
Perfluorobutanesulfonic acid (PFBS)	4.4	cn	1.7	0.42	ng/L		06/09/26 07:04	06/10/26 11:51	1
Perfluoropentanesulfonic acid (PFPeS)	ND	cn	1.7	0.42	ng/L		06/09/26 07:04	06/10/26 11:51	1
Perfluorohexanesulfonic acid (PFHxS)	1.4	J cn	1.7	0.67	ng/L		06/09/26 07:04	06/10/26 11:51	1
Perfluoroheptanesulfonic acid (PFHpS)	ND	cn	1.7	0.42	ng/L		06/09/26 07:04	06/10/26 11:51	1
Perfluorooctanesulfonic acid (PFOS)	5.1	I cn	1.7	1.1	ng/L		06/09/26 07:04	06/10/26 11:51	1
Perfluorononanesulfonic acid (PFNS)	ND	cn	1.7	0.42	ng/L		06/09/26 07:04	06/10/26 11:51	1
Perfluorodecanesulfonic acid (PFDS)	ND	cn	1.7	0.42	ng/L		06/09/26 07:04	06/10/26 11:51	1
Perfluorododecanesulfonic acid (PFDoS)	ND	cn	1.7	0.50	ng/L		06/09/26 07:04	06/10/26 11:51	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND	cn	3.4	0.84	ng/L		06/09/26 07:04	06/10/26 11:51	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND	cn	3.4	0.84	ng/L		06/09/26 07:04	06/10/26 11:51	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND	cn	3.4	0.84	ng/L		06/09/26 07:04	06/10/26 11:51	1
Perfluorooctanesulfonamide (PFOSA)	ND	cn	1.7	0.42	ng/L		06/09/26 07:04	06/10/26 11:51	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND	cn	1.7	0.42	ng/L		06/09/26 07:04	06/10/26 11:51	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND	cn	1.7	0.92	ng/L		06/09/26 07:04	06/10/26 11:51	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND	cn	1.7	0.42	ng/L		06/09/26 07:04	06/10/26 11:51	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND	cn	1.7	0.42	ng/L		06/09/26 07:04	06/10/26 11:51	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND	cn	8.4	3.4	ng/L		06/09/26 07:04	06/10/26 11:51	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND	cn	8.4	3.4	ng/L		06/09/26 07:04	06/10/26 11:51	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	cn	1.7	1.2	ng/L		06/09/26 07:04	06/10/26 11:51	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: PZ-8

Lab Sample ID: 410-285561-16

Date Collected: 05/27/26 09:20

Matrix: Water

Date Received: 05/28/26 18:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	cn	1.7	0.42	ng/L		06/09/26 07:04	06/10/26 11:51	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	cn	1.7	0.42	ng/L		06/09/26 07:04	06/10/26 11:51	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	cn	1.7	0.42	ng/L		06/09/26 07:04	06/10/26 11:51	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	cn	1.7	0.42	ng/L		06/09/26 07:04	06/10/26 11:51	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND	cn	1.7	0.42	ng/L		06/09/26 07:04	06/10/26 11:51	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND	cn	1.7	0.42	ng/L		06/09/26 07:04	06/10/26 11:51	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND	cn	1.7	0.42	ng/L		06/09/26 07:04	06/10/26 11:51	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND	cn	3.4	0.84	ng/L		06/09/26 07:04	06/10/26 11:51	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND	cn	8.4	2.3	ng/L		06/09/26 07:04	06/10/26 11:51	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND	cn	8.4	2.1	ng/L		06/09/26 07:04	06/10/26 11:51	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	89.2	cn	5 - 130	06/09/26 07:04	06/10/26 11:51	1
13C5 PFPeA	86.8	cn	40 - 130	06/09/26 07:04	06/10/26 11:51	1
13C5 PFHxA	85.2	cn	40 - 130	06/09/26 07:04	06/10/26 11:51	1
13C4 PFHpA	88.3	cn	40 - 130	06/09/26 07:04	06/10/26 11:51	1
13C8 PFOA	81.2	cn	40 - 130	06/09/26 07:04	06/10/26 11:51	1
13C9 PFNA	82.9	cn	40 - 130	06/09/26 07:04	06/10/26 11:51	1
13C6 PFDA	74.1	cn	40 - 130	06/09/26 07:04	06/10/26 11:51	1
13C7 PFUnA	62.9	cn	30 - 130	06/09/26 07:04	06/10/26 11:51	1
13C2 PFTeDA	12.7	cn	10 - 130	06/09/26 07:04	06/10/26 11:51	1
13C3 PFBS	79.8	cn	40 - 135	06/09/26 07:04	06/10/26 11:51	1
13C3 PFHxS	84.7	cn	40 - 130	06/09/26 07:04	06/10/26 11:51	1
13C8 PFOS	75.3	cn	40 - 130	06/09/26 07:04	06/10/26 11:51	1
13C8 FOSA	58.2	cn	40 - 130	06/09/26 07:04	06/10/26 11:51	1
d3-NMeFOSAA	57.6	cn	40 - 170	06/09/26 07:04	06/10/26 11:51	1
d5-NEtFOSAA	54.7	cn	25 - 135	06/09/26 07:04	06/10/26 11:51	1
13C2 4:2 FTS	85.8	cn	40 - 200	06/09/26 07:04	06/10/26 11:51	1
13C2 6:2 FTS	104	cn	40 - 200	06/09/26 07:04	06/10/26 11:51	1
13C2 8:2 FTS	82.1	cn	40 - 300	06/09/26 07:04	06/10/26 11:51	1
13C3 HFPO-DA	86.2	cn	40 - 130	06/09/26 07:04	06/10/26 11:51	1
d7-N-MeFOSE-M	32.1	cn	10 - 130	06/09/26 07:04	06/10/26 11:51	1
d9-N-EtFOSE-M	26.0	cn	10 - 130	06/09/26 07:04	06/10/26 11:51	1
d5-NEtPFOSA	27.6	cn	10 - 130	06/09/26 07:04	06/10/26 11:51	1
d3-NMePFOSA	35.7	cn	10 - 130	06/09/26 07:04	06/10/26 11:51	1
13C2 PFDoA	43.7	cn	10 - 130	06/09/26 07:04	06/10/26 11:51	1
13C3-3:3 FTCA	150	^c cn	20 - 150	06/09/26 07:04	06/10/26 11:51	1
13C3-5:3 FTCA	87.8	cn	20 - 150	06/09/26 07:04	06/10/26 11:51	1
13C3-PFDoS	16.3	*5- cn	20 - 150	06/09/26 07:04	06/10/26 11:51	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-80A

Lab Sample ID: 410-285561-17

Date Collected: 05/27/26 10:00

Matrix: Water

Date Received: 05/28/26 18:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/09/26 04:26	1
trans-1,3-Dichloropropene	ND	^c cn	1.0	0.20	ug/L			06/09/26 04:26	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/09/26 04:26	1
Styrene	ND		5.0	0.30	ug/L			06/09/26 04:26	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/09/26 04:26	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/09/26 04:26	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/09/26 04:26	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/09/26 04:26	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/09/26 04:26	1
Toluene	ND		1.0	0.30	ug/L			06/09/26 04:26	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/09/26 04:26	1
Cyclohexane	ND		5.0	1.0	ug/L			06/09/26 04:26	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/09/26 04:26	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/09/26 04:26	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/09/26 04:26	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/09/26 04:26	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/09/26 04:26	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/09/26 04:26	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/09/26 04:26	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/09/26 04:26	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			06/09/26 04:26	1
2-Hexanone	ND		10	0.85	ug/L			06/09/26 04:26	1
Acetone	ND		20	0.70	ug/L			06/09/26 04:26	1
Chloroform	ND		1.0	0.30	ug/L			06/09/26 04:26	1
Benzene	0.49	J	1.0	0.30	ug/L			06/09/26 04:26	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/09/26 04:26	1
Bromomethane	ND		1.0	0.30	ug/L			06/09/26 04:26	1
Chloromethane	ND		2.0	0.55	ug/L			06/09/26 04:26	1
Chloroethane	ND		1.0	0.30	ug/L			06/09/26 04:26	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/09/26 04:26	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/09/26 04:26	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/09/26 04:26	1
Bromoform	ND	^c cn	4.0	1.0	ug/L			06/09/26 04:26	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/09/26 04:26	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/09/26 04:26	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/09/26 04:26	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/09/26 04:26	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/09/26 04:26	1
Freon 113	ND		10	0.30	ug/L			06/09/26 04:26	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/09/26 04:26	1
2-Butanone	ND		10	1.0	ug/L			06/09/26 04:26	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/09/26 04:26	1
Trichloroethene	0.81	J	1.0	0.30	ug/L			06/09/26 04:26	1
Methyl acetate	ND		5.0	0.60	ug/L			06/09/26 04:26	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/09/26 04:26	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/09/26 04:26	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/09/26 04:26	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/09/26 04:26	1

Euofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-80A

Lab Sample ID: 410-285561-17

Date Collected: 05/27/26 10:00

Matrix: Water

Date Received: 05/28/26 18:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		06/09/26 04:26	1
Dibromofluoromethane (Surr)	110		80 - 120		06/09/26 04:26	1
4-Bromofluorobenzene (Surr)	102		80 - 120		06/09/26 04:26	1
Toluene-d8 (Surr)	96		80 - 120		06/09/26 04:26	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	8.9	cn	3.3	0.92	ng/L		06/09/26 07:04	06/10/26 12:05	1
Perfluoropentanoic acid (PFPeA)	7.7	cn	1.7	0.50	ng/L		06/09/26 07:04	06/10/26 12:05	1
Perfluorohexanoic acid (PFHxA)	8.2	cn	1.7	0.42	ng/L		06/09/26 07:04	06/10/26 12:05	1
Perfluoroheptanoic acid (PFHpA)	5.8	cn	1.7	0.67	ng/L		06/09/26 07:04	06/10/26 12:05	1
Perfluorooctanoic acid (PFOA)	17	cn	1.7	0.75	ng/L		06/09/26 07:04	06/10/26 12:05	1
Perfluorononanoic acid (PFNA)	4.2	cn	1.7	0.42	ng/L		06/09/26 07:04	06/10/26 12:05	1
Perfluorodecanoic acid (PFDA)	1.5	J I cn	1.7	0.42	ng/L		06/09/26 07:04	06/10/26 12:05	1
Perfluoroundecanoic acid (PFUnA)	0.51	J cn	1.7	0.42	ng/L		06/09/26 07:04	06/10/26 12:05	1
Perfluorododecanoic acid (PFDoA)	0.42	J cn	1.7	0.42	ng/L		06/09/26 07:04	06/10/26 12:05	1
Perfluorotridecanoic acid (PFTrDA)	ND	cn	1.7	0.42	ng/L		06/09/26 07:04	06/10/26 12:05	1
Perfluorotetradecanoic acid (PFTeDA)	ND	cn	1.7	0.42	ng/L		06/09/26 07:04	06/10/26 12:05	1
Perfluorobutanesulfonic acid (PFBS)	5.1	cn	1.7	0.42	ng/L		06/09/26 07:04	06/10/26 12:05	1
Perfluoropentanesulfonic acid (PFPeS)	0.67	J cn	1.7	0.42	ng/L		06/09/26 07:04	06/10/26 12:05	1
Perfluorohexanesulfonic acid (PFHxS)	2.9	cn	1.7	0.67	ng/L		06/09/26 07:04	06/10/26 12:05	1
Perfluoroheptanesulfonic acid (PFHpS)	0.52	J cn	1.7	0.42	ng/L		06/09/26 07:04	06/10/26 12:05	1
Perfluorooctanesulfonic acid (PFOS)	43	cn	1.7	1.1	ng/L		06/09/26 07:04	06/10/26 12:05	1
Perfluorononanesulfonic acid (PFNS)	ND	cn	1.7	0.42	ng/L		06/09/26 07:04	06/10/26 12:05	1
Perfluorodecanesulfonic acid (PFDS)	ND	cn	1.7	0.42	ng/L		06/09/26 07:04	06/10/26 12:05	1
Perfluorododecanesulfonic acid (PFDoS)	ND	cn	1.7	0.50	ng/L		06/09/26 07:04	06/10/26 12:05	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND	cn	3.3	0.84	ng/L		06/09/26 07:04	06/10/26 12:05	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND	cn	3.3	0.84	ng/L		06/09/26 07:04	06/10/26 12:05	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND	cn	3.3	0.84	ng/L		06/09/26 07:04	06/10/26 12:05	1
Perfluorooctanesulfonamide (PFOSA)	ND	cn	1.7	0.42	ng/L		06/09/26 07:04	06/10/26 12:05	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND	cn	1.7	0.42	ng/L		06/09/26 07:04	06/10/26 12:05	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND	cn	1.7	0.92	ng/L		06/09/26 07:04	06/10/26 12:05	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND	cn	1.7	0.42	ng/L		06/09/26 07:04	06/10/26 12:05	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND	cn	1.7	0.42	ng/L		06/09/26 07:04	06/10/26 12:05	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND	cn	8.4	3.3	ng/L		06/09/26 07:04	06/10/26 12:05	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND	cn	8.4	3.3	ng/L		06/09/26 07:04	06/10/26 12:05	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	cn	1.7	1.2	ng/L		06/09/26 07:04	06/10/26 12:05	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-80A

Lab Sample ID: 410-285561-17

Date Collected: 05/27/26 10:00

Matrix: Water

Date Received: 05/28/26 18:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	cn	1.7	0.42	ng/L		06/09/26 07:04	06/10/26 12:05	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	cn	1.7	0.42	ng/L		06/09/26 07:04	06/10/26 12:05	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	cn	1.7	0.42	ng/L		06/09/26 07:04	06/10/26 12:05	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	cn	1.7	0.42	ng/L		06/09/26 07:04	06/10/26 12:05	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND	cn	1.7	0.42	ng/L		06/09/26 07:04	06/10/26 12:05	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND	cn	1.7	0.42	ng/L		06/09/26 07:04	06/10/26 12:05	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND	cn	1.7	0.42	ng/L		06/09/26 07:04	06/10/26 12:05	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND	cn	3.3	0.84	ng/L		06/09/26 07:04	06/10/26 12:05	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND	cn	8.4	2.3	ng/L		06/09/26 07:04	06/10/26 12:05	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND	cn	8.4	2.1	ng/L		06/09/26 07:04	06/10/26 12:05	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	88.2	cn	5 - 130	06/09/26 07:04	06/10/26 12:05	1
13C5 PFPeA	81.9	cn	40 - 130	06/09/26 07:04	06/10/26 12:05	1
13C5 PFHxA	84.3	cn	40 - 130	06/09/26 07:04	06/10/26 12:05	1
13C4 PFHpA	80.7	cn	40 - 130	06/09/26 07:04	06/10/26 12:05	1
13C8 PFOA	77.9	cn	40 - 130	06/09/26 07:04	06/10/26 12:05	1
13C9 PFNA	81.0	cn	40 - 130	06/09/26 07:04	06/10/26 12:05	1
13C6 PFDA	75.1	cn	40 - 130	06/09/26 07:04	06/10/26 12:05	1
13C7 PFUnA	69.3	cn	30 - 130	06/09/26 07:04	06/10/26 12:05	1
13C2 PFTeDA	20.1	cn	10 - 130	06/09/26 07:04	06/10/26 12:05	1
13C3 PFBS	85.8	cn	40 - 135	06/09/26 07:04	06/10/26 12:05	1
13C3 PFHxS	86.7	cn	40 - 130	06/09/26 07:04	06/10/26 12:05	1
13C8 PFOS	76.0	cn	40 - 130	06/09/26 07:04	06/10/26 12:05	1
13C8 FOSA	65.7	cn	40 - 130	06/09/26 07:04	06/10/26 12:05	1
d3-NMeFOSAA	60.2	cn	40 - 170	06/09/26 07:04	06/10/26 12:05	1
d5-NEtFOSAA	57.0	cn	25 - 135	06/09/26 07:04	06/10/26 12:05	1
13C2 4:2 FTS	73.8	cn	40 - 200	06/09/26 07:04	06/10/26 12:05	1
13C2 6:2 FTS	101	cn	40 - 200	06/09/26 07:04	06/10/26 12:05	1
13C2 8:2 FTS	80.2	cn	40 - 300	06/09/26 07:04	06/10/26 12:05	1
13C3 HFPO-DA	81.8	cn	40 - 130	06/09/26 07:04	06/10/26 12:05	1
d7-N-MeFOSE-M	29.0	cn	10 - 130	06/09/26 07:04	06/10/26 12:05	1
d9-N-EtFOSE-M	22.7	cn	10 - 130	06/09/26 07:04	06/10/26 12:05	1
d5-NEtPFOSA	34.8	cn	10 - 130	06/09/26 07:04	06/10/26 12:05	1
d3-NMePFOSA	41.8	cn	10 - 130	06/09/26 07:04	06/10/26 12:05	1
13C2 PFDoA	49.8	cn	10 - 130	06/09/26 07:04	06/10/26 12:05	1
13C3-3:3 FTCA	128	^c cn	20 - 150	06/09/26 07:04	06/10/26 12:05	1
13C3-5:3 FTCA	81.7	cn	20 - 150	06/09/26 07:04	06/10/26 12:05	1
13C3-PFDoS	23.1	cn	20 - 150	06/09/26 07:04	06/10/26 12:05	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-80B

Lab Sample ID: 410-285561-18

Date Collected: 05/27/26 10:15

Matrix: Water

Date Received: 05/28/26 18:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/09/26 04:47	1
trans-1,3-Dichloropropene	ND	^c cn	1.0	0.20	ug/L			06/09/26 04:47	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/09/26 04:47	1
Styrene	ND		5.0	0.30	ug/L			06/09/26 04:47	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/09/26 04:47	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/09/26 04:47	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/09/26 04:47	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/09/26 04:47	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/09/26 04:47	1
Toluene	ND		1.0	0.30	ug/L			06/09/26 04:47	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/09/26 04:47	1
Cyclohexane	ND		5.0	1.0	ug/L			06/09/26 04:47	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/09/26 04:47	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/09/26 04:47	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/09/26 04:47	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/09/26 04:47	1
cis-1,2-Dichloroethene	2.5		1.0	0.30	ug/L			06/09/26 04:47	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/09/26 04:47	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/09/26 04:47	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/09/26 04:47	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			06/09/26 04:47	1
2-Hexanone	ND		10	0.85	ug/L			06/09/26 04:47	1
Acetone	ND		20	0.70	ug/L			06/09/26 04:47	1
Chloroform	ND		1.0	0.30	ug/L			06/09/26 04:47	1
Benzene	ND		1.0	0.30	ug/L			06/09/26 04:47	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/09/26 04:47	1
Bromomethane	ND		1.0	0.30	ug/L			06/09/26 04:47	1
Chloromethane	ND		2.0	0.55	ug/L			06/09/26 04:47	1
Chloroethane	ND		1.0	0.30	ug/L			06/09/26 04:47	1
Vinyl chloride	3.8		1.0	0.30	ug/L			06/09/26 04:47	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/09/26 04:47	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/09/26 04:47	1
Bromoform	ND	^c cn	4.0	1.0	ug/L			06/09/26 04:47	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/09/26 04:47	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/09/26 04:47	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/09/26 04:47	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/09/26 04:47	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/09/26 04:47	1
Freon 113	ND		10	0.30	ug/L			06/09/26 04:47	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/09/26 04:47	1
2-Butanone	ND		10	1.0	ug/L			06/09/26 04:47	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/09/26 04:47	1
Trichloroethene	0.32	J	1.0	0.30	ug/L			06/09/26 04:47	1
Methyl acetate	ND		5.0	0.60	ug/L			06/09/26 04:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/09/26 04:47	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/09/26 04:47	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/09/26 04:47	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/09/26 04:47	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-80B

Lab Sample ID: 410-285561-18

Date Collected: 05/27/26 10:15

Matrix: Water

Date Received: 05/28/26 18:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		80 - 120		06/09/26 04:47	1
Dibromofluoromethane (Surr)	111		80 - 120		06/09/26 04:47	1
4-Bromofluorobenzene (Surr)	99		80 - 120		06/09/26 04:47	1
Toluene-d8 (Surr)	96		80 - 120		06/09/26 04:47	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	5.6	cn	3.3	0.90	ng/L		06/09/26 07:04	06/10/26 12:18	1
Perfluoropentanoic acid (PFPeA)	6.1	cn	1.6	0.49	ng/L		06/09/26 07:04	06/10/26 12:18	1
Perfluorohexanoic acid (PFHxA)	5.8	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 12:18	1
Perfluoroheptanoic acid (PFHpA)	4.0	cn	1.6	0.65	ng/L		06/09/26 07:04	06/10/26 12:18	1
Perfluorooctanoic acid (PFOA)	12	cn	1.6	0.73	ng/L		06/09/26 07:04	06/10/26 12:18	1
Perfluorononanoic acid (PFNA)	2.4	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 12:18	1
Perfluorodecanoic acid (PFDA)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 12:18	1
Perfluoroundecanoic acid (PFUnA)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 12:18	1
Perfluorododecanoic acid (PFDoA)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 12:18	1
Perfluorotridecanoic acid (PFTrDA)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 12:18	1
Perfluorotetradecanoic acid (PFTeDA)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 12:18	1
Perfluorobutanesulfonic acid (PFBS)	4.8	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 12:18	1
Perfluoropentanesulfonic acid (PFPeS)	0.61	J cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 12:18	1
Perfluorohexanesulfonic acid (PFHxS)	3.0	cn	1.6	0.65	ng/L		06/09/26 07:04	06/10/26 12:18	1
Perfluoroheptanesulfonic acid (PFHpS)	0.55	J cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 12:18	1
Perfluorooctanesulfonic acid (PFOS)	30	cn	1.6	1.1	ng/L		06/09/26 07:04	06/10/26 12:18	1
Perfluorononanesulfonic acid (PFNS)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 12:18	1
Perfluorodecanesulfonic acid (PFDS)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 12:18	1
Perfluorododecanesulfonic acid (PFDoS)	ND	cn	1.6	0.49	ng/L		06/09/26 07:04	06/10/26 12:18	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND	cn	3.3	0.82	ng/L		06/09/26 07:04	06/10/26 12:18	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND	cn	3.3	0.82	ng/L		06/09/26 07:04	06/10/26 12:18	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND	cn	3.3	0.82	ng/L		06/09/26 07:04	06/10/26 12:18	1
Perfluorooctanesulfonamide (PFOSA)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 12:18	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 12:18	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND	cn	1.6	0.90	ng/L		06/09/26 07:04	06/10/26 12:18	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 12:18	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 12:18	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND	cn	8.2	3.3	ng/L		06/09/26 07:04	06/10/26 12:18	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND	cn	8.2	3.3	ng/L		06/09/26 07:04	06/10/26 12:18	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	cn	1.6	1.1	ng/L		06/09/26 07:04	06/10/26 12:18	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-80B

Lab Sample ID: 410-285561-18

Date Collected: 05/27/26 10:15

Matrix: Water

Date Received: 05/28/26 18:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 12:18	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 12:18	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 12:18	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 12:18	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9CI-PF3ONS)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 12:18	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11CI-PF3OUdS)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 12:18	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND	cn	1.6	0.41	ng/L		06/09/26 07:04	06/10/26 12:18	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND	cn	3.3	0.82	ng/L		06/09/26 07:04	06/10/26 12:18	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND	cn	8.2	2.3	ng/L		06/09/26 07:04	06/10/26 12:18	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND	cn	8.2	2.0	ng/L		06/09/26 07:04	06/10/26 12:18	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	90.3	cn	5 - 130	06/09/26 07:04	06/10/26 12:18	1
13C5 PFPeA	84.8	cn	40 - 130	06/09/26 07:04	06/10/26 12:18	1
13C5 PFHxA	85.4	cn	40 - 130	06/09/26 07:04	06/10/26 12:18	1
13C4 PFHpA	86.4	cn	40 - 130	06/09/26 07:04	06/10/26 12:18	1
13C8 PFOA	84.0	cn	40 - 130	06/09/26 07:04	06/10/26 12:18	1
13C9 PFNA	80.4	cn	40 - 130	06/09/26 07:04	06/10/26 12:18	1
13C6 PFDA	72.6	cn	40 - 130	06/09/26 07:04	06/10/26 12:18	1
13C7 PFUnA	62.1	cn	30 - 130	06/09/26 07:04	06/10/26 12:18	1
13C2 PFTeDA	15.5	cn	10 - 130	06/09/26 07:04	06/10/26 12:18	1
13C3 PFBS	85.8	cn	40 - 135	06/09/26 07:04	06/10/26 12:18	1
13C3 PFHxS	86.1	cn	40 - 130	06/09/26 07:04	06/10/26 12:18	1
13C8 PFOS	74.2	cn	40 - 130	06/09/26 07:04	06/10/26 12:18	1
13C8 FOSA	57.3	cn	40 - 130	06/09/26 07:04	06/10/26 12:18	1
d3-NMeFOSAA	51.3	cn	40 - 170	06/09/26 07:04	06/10/26 12:18	1
d5-NEtFOSAA	46.3	cn	25 - 135	06/09/26 07:04	06/10/26 12:18	1
13C2 4:2 FTS	74.9	cn	40 - 200	06/09/26 07:04	06/10/26 12:18	1
13C2 6:2 FTS	89.6	cn	40 - 200	06/09/26 07:04	06/10/26 12:18	1
13C2 8:2 FTS	72.6	cn	40 - 300	06/09/26 07:04	06/10/26 12:18	1
13C3 HFPO-DA	85.3	cn	40 - 130	06/09/26 07:04	06/10/26 12:18	1
d7-N-MeFOSE-M	24.5	cn	10 - 130	06/09/26 07:04	06/10/26 12:18	1
d9-N-EtFOSE-M	19.3	cn	10 - 130	06/09/26 07:04	06/10/26 12:18	1
d5-NEtPFOSA	32.0	cn	10 - 130	06/09/26 07:04	06/10/26 12:18	1
d3-NMePFOSA	38.4	cn	10 - 130	06/09/26 07:04	06/10/26 12:18	1
13C2 PFDaA	43.4	cn	10 - 130	06/09/26 07:04	06/10/26 12:18	1
13C3-3:3 FTCA	134	^c cn	20 - 150	06/09/26 07:04	06/10/26 12:18	1
13C3-5:3 FTCA	88.7	cn	20 - 150	06/09/26 07:04	06/10/26 12:18	1
13C3-PFDoS	17.3	*5- cn	20 - 150	06/09/26 07:04	06/10/26 12:18	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-80C

Lab Sample ID: 410-285561-19

Date Collected: 05/27/26 10:30

Matrix: Water

Date Received: 05/28/26 18:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/09/26 00:24	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/09/26 00:24	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/09/26 00:24	1
Styrene	ND		5.0	0.30	ug/L			06/09/26 00:24	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/09/26 00:24	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/09/26 00:24	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/09/26 00:24	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/09/26 00:24	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/09/26 00:24	1
Toluene	ND		1.0	0.30	ug/L			06/09/26 00:24	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/09/26 00:24	1
Cyclohexane	ND		5.0	1.0	ug/L			06/09/26 00:24	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/09/26 00:24	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/09/26 00:24	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/09/26 00:24	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/09/26 00:24	1
cis-1,2-Dichloroethene	0.96	J	1.0	0.30	ug/L			06/09/26 00:24	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/09/26 00:24	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/09/26 00:24	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/09/26 00:24	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/09/26 00:24	1
2-Hexanone	ND		10	0.85	ug/L			06/09/26 00:24	1
Acetone	ND		20	0.70	ug/L			06/09/26 00:24	1
Chloroform	ND		1.0	0.30	ug/L			06/09/26 00:24	1
Benzene	ND		1.0	0.30	ug/L			06/09/26 00:24	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/09/26 00:24	1
Bromomethane	ND		1.0	0.30	ug/L			06/09/26 00:24	1
Chloromethane	ND		2.0	0.55	ug/L			06/09/26 00:24	1
Chloroethane	ND		1.0	0.30	ug/L			06/09/26 00:24	1
Vinyl chloride	5.1		1.0	0.30	ug/L			06/09/26 00:24	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/09/26 00:24	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/09/26 00:24	1
Bromoform	ND		4.0	1.0	ug/L			06/09/26 00:24	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/09/26 00:24	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/09/26 00:24	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/09/26 00:24	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/09/26 00:24	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/09/26 00:24	1
Freon 113	ND		10	0.30	ug/L			06/09/26 00:24	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/09/26 00:24	1
2-Butanone	ND		10	1.0	ug/L			06/09/26 00:24	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/09/26 00:24	1
Trichloroethene	ND		1.0	0.30	ug/L			06/09/26 00:24	1
Methyl acetate	ND		5.0	0.60	ug/L			06/09/26 00:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/09/26 00:24	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/09/26 00:24	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/09/26 00:24	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/09/26 00:24	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-80C

Lab Sample ID: 410-285561-19

Date Collected: 05/27/26 10:30

Matrix: Water

Date Received: 05/28/26 18:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		06/09/26 00:24	1
Dibromofluoromethane (Surr)	107		80 - 120		06/09/26 00:24	1
4-Bromofluorobenzene (Surr)	110		80 - 120		06/09/26 00:24	1
Toluene-d8 (Surr)	92		80 - 120		06/09/26 00:24	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	22		3.1	0.86	ng/L		06/09/26 07:04	06/10/26 12:32	1
Perfluoropentanoic acid (PFPeA)	15		1.6	0.47	ng/L		06/09/26 07:04	06/10/26 12:32	1
Perfluorohexanoic acid (PFHxA)	7.6		1.6	0.39	ng/L		06/09/26 07:04	06/10/26 12:32	1
Perfluoroheptanoic acid (PFHpA)	5.1		1.6	0.62	ng/L		06/09/26 07:04	06/10/26 12:32	1
Perfluorooctanoic acid (PFOA)	15		1.6	0.70	ng/L		06/09/26 07:04	06/10/26 12:32	1
Perfluorononanoic acid (PFNA)	2.7		1.6	0.39	ng/L		06/09/26 07:04	06/10/26 12:32	1
Perfluorodecanoic acid (PFDA)	0.40	J	1.6	0.39	ng/L		06/09/26 07:04	06/10/26 12:32	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.39	ng/L		06/09/26 07:04	06/10/26 12:32	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.39	ng/L		06/09/26 07:04	06/10/26 12:32	1
Perfluorotridecanoic acid (PFTrDA)	ND		1.6	0.39	ng/L		06/09/26 07:04	06/10/26 12:32	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.6	0.39	ng/L		06/09/26 07:04	06/10/26 12:32	1
Perfluorobutanesulfonic acid (PFBS)	5.6		1.6	0.39	ng/L		06/09/26 07:04	06/10/26 12:32	1
Perfluoropentanesulfonic acid (PFPeS)	0.76	J	1.6	0.39	ng/L		06/09/26 07:04	06/10/26 12:32	1
Perfluorohexanesulfonic acid (PFHxS)	3.8		1.6	0.62	ng/L		06/09/26 07:04	06/10/26 12:32	1
Perfluoroheptanesulfonic acid (PFHpS)	0.52	J	1.6	0.39	ng/L		06/09/26 07:04	06/10/26 12:32	1
Perfluorooctanesulfonic acid (PFOS)	27		1.6	1.0	ng/L		06/09/26 07:04	06/10/26 12:32	1
Perfluorononanesulfonic acid (PFNS)	ND		1.6	0.39	ng/L		06/09/26 07:04	06/10/26 12:32	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.39	ng/L		06/09/26 07:04	06/10/26 12:32	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.6	0.47	ng/L		06/09/26 07:04	06/10/26 12:32	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.1	0.78	ng/L		06/09/26 07:04	06/10/26 12:32	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	52		3.1	0.78	ng/L		06/09/26 07:04	06/10/26 12:32	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.1	0.78	ng/L		06/09/26 07:04	06/10/26 12:32	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.6	0.39	ng/L		06/09/26 07:04	06/10/26 12:32	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.6	0.39	ng/L		06/09/26 07:04	06/10/26 12:32	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.6	0.86	ng/L		06/09/26 07:04	06/10/26 12:32	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.6	0.39	ng/L		06/09/26 07:04	06/10/26 12:32	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.6	0.39	ng/L		06/09/26 07:04	06/10/26 12:32	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		7.8	3.1	ng/L		06/09/26 07:04	06/10/26 12:32	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		7.8	3.1	ng/L		06/09/26 07:04	06/10/26 12:32	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.6	1.1	ng/L		06/09/26 07:04	06/10/26 12:32	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-80C

Lab Sample ID: 410-285561-19

Date Collected: 05/27/26 10:30

Matrix: Water

Date Received: 05/28/26 18:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.6	0.39	ng/L		06/09/26 07:04	06/10/26 12:32	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.6	0.39	ng/L		06/09/26 07:04	06/10/26 12:32	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.6	0.39	ng/L		06/09/26 07:04	06/10/26 12:32	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.6	0.39	ng/L		06/09/26 07:04	06/10/26 12:32	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9CI-PF3ONS)	ND		1.6	0.39	ng/L		06/09/26 07:04	06/10/26 12:32	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11CI-PF3OUdS)	ND		1.6	0.39	ng/L		06/09/26 07:04	06/10/26 12:32	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.6	0.39	ng/L		06/09/26 07:04	06/10/26 12:32	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.1	0.78	ng/L		06/09/26 07:04	06/10/26 12:32	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		7.8	2.2	ng/L		06/09/26 07:04	06/10/26 12:32	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		7.8	1.9	ng/L		06/09/26 07:04	06/10/26 12:32	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	88.7		5 - 130	06/09/26 07:04	06/10/26 12:32	1
13C5 PFPeA	86.7		40 - 130	06/09/26 07:04	06/10/26 12:32	1
13C5 PFHxA	83.2		40 - 130	06/09/26 07:04	06/10/26 12:32	1
13C4 PFHpA	85.1		40 - 130	06/09/26 07:04	06/10/26 12:32	1
13C8 PFOA	71.6		40 - 130	06/09/26 07:04	06/10/26 12:32	1
13C9 PFNA	74.4		40 - 130	06/09/26 07:04	06/10/26 12:32	1
13C6 PFDA	67.0		40 - 130	06/09/26 07:04	06/10/26 12:32	1
13C7 PFUnA	66.2		30 - 130	06/09/26 07:04	06/10/26 12:32	1
13C2 PFTeDA	56.8		10 - 130	06/09/26 07:04	06/10/26 12:32	1
13C3 PFBS	83.6		40 - 135	06/09/26 07:04	06/10/26 12:32	1
13C3 PFHxS	79.0		40 - 130	06/09/26 07:04	06/10/26 12:32	1
13C8 PFOS	71.3		40 - 130	06/09/26 07:04	06/10/26 12:32	1
13C8 FOSA	76.0		40 - 130	06/09/26 07:04	06/10/26 12:32	1
d3-NMeFOSAA	68.2		40 - 170	06/09/26 07:04	06/10/26 12:32	1
d5-NEtFOSAA	66.6		25 - 135	06/09/26 07:04	06/10/26 12:32	1
13C2 4:2 FTS	80.1		40 - 200	06/09/26 07:04	06/10/26 12:32	1
13C2 6:2 FTS	74.4		40 - 200	06/09/26 07:04	06/10/26 12:32	1
13C2 8:2 FTS	80.3		40 - 300	06/09/26 07:04	06/10/26 12:32	1
13C3 HFPO-DA	84.2		40 - 130	06/09/26 07:04	06/10/26 12:32	1
d7-N-MeFOSE-M	50.4		10 - 130	06/09/26 07:04	06/10/26 12:32	1
d9-N-EtFOSE-M	48.9		10 - 130	06/09/26 07:04	06/10/26 12:32	1
d5-NEtPFOSA	65.4		10 - 130	06/09/26 07:04	06/10/26 12:32	1
d3-NMePFOSA	68.1		10 - 130	06/09/26 07:04	06/10/26 12:32	1
13C2 PFDaA	67.9		10 - 130	06/09/26 07:04	06/10/26 12:32	1
13C3-3:3 FTCA	164	^c *5+ cn	20 - 150	06/09/26 07:04	06/10/26 12:32	1
13C3-5:3 FTCA	84.4		20 - 150	06/09/26 07:04	06/10/26 12:32	1
13C3-PFDoS	64.9		20 - 150	06/09/26 07:04	06/10/26 12:32	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-58A

Lab Sample ID: 410-285561-20

Date Collected: 05/27/26 12:00

Matrix: Water

Date Received: 05/28/26 18:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/09/26 00:46	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/09/26 00:46	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/09/26 00:46	1
Styrene	ND		5.0	0.30	ug/L			06/09/26 00:46	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/09/26 00:46	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/09/26 00:46	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/09/26 00:46	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/09/26 00:46	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/09/26 00:46	1
Toluene	ND		1.0	0.30	ug/L			06/09/26 00:46	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/09/26 00:46	1
Cyclohexane	ND		5.0	1.0	ug/L			06/09/26 00:46	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/09/26 00:46	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/09/26 00:46	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/09/26 00:46	1
Tetrachloroethene	6.1		1.0	0.30	ug/L			06/09/26 00:46	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/09/26 00:46	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/09/26 00:46	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/09/26 00:46	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/09/26 00:46	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/09/26 00:46	1
2-Hexanone	ND		10	0.85	ug/L			06/09/26 00:46	1
Acetone	2.4 J		20	0.70	ug/L			06/09/26 00:46	1
Chloroform	ND		1.0	0.30	ug/L			06/09/26 00:46	1
Benzene	ND		1.0	0.30	ug/L			06/09/26 00:46	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/09/26 00:46	1
Bromomethane	ND		1.0	0.30	ug/L			06/09/26 00:46	1
Chloromethane	ND		2.0	0.55	ug/L			06/09/26 00:46	1
Chloroethane	ND		1.0	0.30	ug/L			06/09/26 00:46	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/09/26 00:46	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/09/26 00:46	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/09/26 00:46	1
Bromoform	ND		4.0	1.0	ug/L			06/09/26 00:46	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/09/26 00:46	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/09/26 00:46	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/09/26 00:46	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/09/26 00:46	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/09/26 00:46	1
Freon 113	ND		10	0.30	ug/L			06/09/26 00:46	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/09/26 00:46	1
2-Butanone	ND		10	1.0	ug/L			06/09/26 00:46	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/09/26 00:46	1
Trichloroethene	0.42 J		1.0	0.30	ug/L			06/09/26 00:46	1
Methyl acetate	ND		5.0	0.60	ug/L			06/09/26 00:46	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/09/26 00:46	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/09/26 00:46	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/09/26 00:46	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/09/26 00:46	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-58A

Lab Sample ID: 410-285561-20

Date Collected: 05/27/26 12:00

Matrix: Water

Date Received: 05/28/26 18:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		06/09/26 00:46	1
Dibromofluoromethane (Surr)	104		80 - 120		06/09/26 00:46	1
4-Bromofluorobenzene (Surr)	107		80 - 120		06/09/26 00:46	1
Toluene-d8 (Surr)	93		80 - 120		06/09/26 00:46	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	5.0		3.2	0.89	ng/L		06/10/26 09:29	06/11/26 11:21	1
Perfluoropentanoic acid (PFPeA)	4.4		1.6	0.49	ng/L		06/10/26 09:29	06/11/26 11:21	1
Perfluorohexanoic acid (PFHxA)	3.9		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 11:21	1
Perfluoroheptanoic acid (PFHpA)	2.5		1.6	0.65	ng/L		06/10/26 09:29	06/11/26 11:21	1
Perfluorooctanoic acid (PFOA)	4.1		1.6	0.73	ng/L		06/10/26 09:29	06/11/26 11:21	1
Perfluorononanoic acid (PFNA)	1.3 J		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 11:21	1
Perfluorodecanoic acid (PFDA)	0.42 J		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 11:21	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 11:21	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 11:21	1
Perfluorotridecanoic acid (PFTrDA)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 11:21	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 11:21	1
Perfluorobutanesulfonic acid (PFBS)	0.69 J		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 11:21	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 11:21	1
Perfluorohexanesulfonic acid (PFHxS)	0.67 J		1.6	0.65	ng/L		06/10/26 09:29	06/11/26 11:21	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 11:21	1
Perfluorooctanesulfonic acid (PFOS)	2.2		1.6	1.1	ng/L		06/10/26 09:29	06/11/26 11:21	1
Perfluorononanesulfonic acid (PFNS)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 11:21	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 11:21	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.6	0.49	ng/L		06/10/26 09:29	06/11/26 11:21	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.2	0.81	ng/L		06/10/26 09:29	06/11/26 11:21	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		3.2	0.81	ng/L		06/10/26 09:29	06/11/26 11:21	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.2	0.81	ng/L		06/10/26 09:29	06/11/26 11:21	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 11:21	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 11:21	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.6	0.89	ng/L		06/10/26 09:29	06/11/26 11:21	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 11:21	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 11:21	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.1	3.2	ng/L		06/10/26 09:29	06/11/26 11:21	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.1	3.2	ng/L		06/10/26 09:29	06/11/26 11:21	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.6	1.1	ng/L		06/10/26 09:29	06/11/26 11:21	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-58A

Lab Sample ID: 410-285561-20

Date Collected: 05/27/26 12:00

Matrix: Water

Date Received: 05/28/26 18:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 11:21	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 11:21	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 11:21	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 11:21	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 11:21	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 11:21	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 11:21	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.2	0.81	ng/L		06/10/26 09:29	06/11/26 11:21	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		8.1	2.3	ng/L		06/10/26 09:29	06/11/26 11:21	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.1	2.0	ng/L		06/10/26 09:29	06/11/26 11:21	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	93.8		5 - 130	06/10/26 09:29	06/11/26 11:21	1
13C5 PFPeA	96.8		40 - 130	06/10/26 09:29	06/11/26 11:21	1
13C5 PFHxA	95.8		40 - 130	06/10/26 09:29	06/11/26 11:21	1
13C4 PFHpA	98.4		40 - 130	06/10/26 09:29	06/11/26 11:21	1
13C8 PFOA	100		40 - 130	06/10/26 09:29	06/11/26 11:21	1
13C9 PFNA	90.6		40 - 130	06/10/26 09:29	06/11/26 11:21	1
13C6 PFDA	84.6		40 - 130	06/10/26 09:29	06/11/26 11:21	1
13C7 PFUnA	77.1		30 - 130	06/10/26 09:29	06/11/26 11:21	1
13C2 PFTeDA	63.3		10 - 130	06/10/26 09:29	06/11/26 11:21	1
13C3 PFBS	96.0		40 - 135	06/10/26 09:29	06/11/26 11:21	1
13C3 PFHxS	91.1		40 - 130	06/10/26 09:29	06/11/26 11:21	1
13C8 PFOS	88.8		40 - 130	06/10/26 09:29	06/11/26 11:21	1
13C8 FOSA	82.0		40 - 130	06/10/26 09:29	06/11/26 11:21	1
d3-NMeFOSAA	98.6		40 - 170	06/10/26 09:29	06/11/26 11:21	1
d5-NEtFOSAA	92.0		25 - 135	06/10/26 09:29	06/11/26 11:21	1
13C2 4:2 FTS	104		40 - 200	06/10/26 09:29	06/11/26 11:21	1
13C2 6:2 FTS	132		40 - 200	06/10/26 09:29	06/11/26 11:21	1
13C2 8:2 FTS	115		40 - 300	06/10/26 09:29	06/11/26 11:21	1
13C3 HFPO-DA	95.4		40 - 130	06/10/26 09:29	06/11/26 11:21	1
d7-N-MeFOSE-M	50.2		10 - 130	06/10/26 09:29	06/11/26 11:21	1
d9-N-EtFOSE-M	49.3		10 - 130	06/10/26 09:29	06/11/26 11:21	1
d5-NEtPFOSA	63.4		10 - 130	06/10/26 09:29	06/11/26 11:21	1
d3-NMePFOSA	71.0		10 - 130	06/10/26 09:29	06/11/26 11:21	1
13C2 PFDoA	81.6		10 - 130	06/10/26 09:29	06/11/26 11:21	1
13C3-3:3 FTCA	108		20 - 150	06/10/26 09:29	06/11/26 11:21	1
13C3-5:3 FTCA	94.1		20 - 150	06/10/26 09:29	06/11/26 11:21	1
13C3-PFDoS	65.4		20 - 150	06/10/26 09:29	06/11/26 11:21	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-58B

Lab Sample ID: 410-285561-21

Date Collected: 05/27/26 12:15

Matrix: Water

Date Received: 05/28/26 18:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/09/26 01:08	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/09/26 01:08	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/09/26 01:08	1
Styrene	ND		5.0	0.30	ug/L			06/09/26 01:08	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/09/26 01:08	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/09/26 01:08	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/09/26 01:08	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/09/26 01:08	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/09/26 01:08	1
Toluene	ND		1.0	0.30	ug/L			06/09/26 01:08	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/09/26 01:08	1
Cyclohexane	ND		5.0	1.0	ug/L			06/09/26 01:08	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/09/26 01:08	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/09/26 01:08	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/09/26 01:08	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/09/26 01:08	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/09/26 01:08	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/09/26 01:08	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/09/26 01:08	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/09/26 01:08	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/09/26 01:08	1
2-Hexanone	ND		10	0.85	ug/L			06/09/26 01:08	1
Acetone	4.2	J	20	0.70	ug/L			06/09/26 01:08	1
Chloroform	ND		1.0	0.30	ug/L			06/09/26 01:08	1
Benzene	ND		1.0	0.30	ug/L			06/09/26 01:08	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/09/26 01:08	1
Bromomethane	ND		1.0	0.30	ug/L			06/09/26 01:08	1
Chloromethane	ND		2.0	0.55	ug/L			06/09/26 01:08	1
Chloroethane	ND		1.0	0.30	ug/L			06/09/26 01:08	1
Vinyl chloride	0.94	J	1.0	0.30	ug/L			06/09/26 01:08	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/09/26 01:08	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/09/26 01:08	1
Bromoform	ND		4.0	1.0	ug/L			06/09/26 01:08	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/09/26 01:08	1
1,1-Dichloroethane	0.34	J	1.0	0.30	ug/L			06/09/26 01:08	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/09/26 01:08	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/09/26 01:08	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/09/26 01:08	1
Freon 113	ND		10	0.30	ug/L			06/09/26 01:08	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/09/26 01:08	1
2-Butanone	ND		10	1.0	ug/L			06/09/26 01:08	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/09/26 01:08	1
Trichloroethene	ND		1.0	0.30	ug/L			06/09/26 01:08	1
Methyl acetate	ND		5.0	0.60	ug/L			06/09/26 01:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/09/26 01:08	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/09/26 01:08	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/09/26 01:08	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/09/26 01:08	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-58B

Lab Sample ID: 410-285561-21

Date Collected: 05/27/26 12:15

Matrix: Water

Date Received: 05/28/26 18:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		06/09/26 01:08	1
Dibromofluoromethane (Surr)	103		80 - 120		06/09/26 01:08	1
4-Bromofluorobenzene (Surr)	107		80 - 120		06/09/26 01:08	1
Toluene-d8 (Surr)	91		80 - 120		06/09/26 01:08	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	5.5	cn	2.9	0.81	ng/L		06/10/26 09:29	06/11/26 11:48	1
Perfluoropentanoic acid (PFPeA)	9.3	cn	1.5	0.44	ng/L		06/10/26 09:29	06/11/26 11:48	1
Perfluorohexanoic acid (PFHxA)	7.9	cn	1.5	0.37	ng/L		06/10/26 09:29	06/11/26 11:48	1
Perfluoroheptanoic acid (PFHpA)	3.6	cn	1.5	0.59	ng/L		06/10/26 09:29	06/11/26 11:48	1
Perfluorooctanoic acid (PFOA)	7.1	cn	1.5	0.66	ng/L		06/10/26 09:29	06/11/26 11:48	1
Perfluorononanoic acid (PFNA)	2.6	cn	1.5	0.37	ng/L		06/10/26 09:29	06/11/26 11:48	1
Perfluorodecanoic acid (PFDA)	0.63	J cn	1.5	0.37	ng/L		06/10/26 09:29	06/11/26 11:48	1
Perfluoroundecanoic acid (PFUnA)	ND	cn	1.5	0.37	ng/L		06/10/26 09:29	06/11/26 11:48	1
Perfluorododecanoic acid (PFDoA)	ND	cn	1.5	0.37	ng/L		06/10/26 09:29	06/11/26 11:48	1
Perfluorotridecanoic acid (PFTrDA)	ND	cn	1.5	0.37	ng/L		06/10/26 09:29	06/11/26 11:48	1
Perfluorotetradecanoic acid (PFTeDA)	ND	cn	1.5	0.37	ng/L		06/10/26 09:29	06/11/26 11:48	1
Perfluorobutanesulfonic acid (PFBS)	1.4	J cn	1.5	0.37	ng/L		06/10/26 09:29	06/11/26 11:48	1
Perfluoropentanesulfonic acid (PFPeS)	ND	cn	1.5	0.37	ng/L		06/10/26 09:29	06/11/26 11:48	1
Perfluorohexanesulfonic acid (PFHxS)	0.81	J cn	1.5	0.59	ng/L		06/10/26 09:29	06/11/26 11:48	1
Perfluoroheptanesulfonic acid (PFHpS)	ND	cn	1.5	0.37	ng/L		06/10/26 09:29	06/11/26 11:48	1
Perfluorooctanesulfonic acid (PFOS)	1.8	cn	1.5	0.96	ng/L		06/10/26 09:29	06/11/26 11:48	1
Perfluorononanesulfonic acid (PFNS)	ND	cn	1.5	0.37	ng/L		06/10/26 09:29	06/11/26 11:48	1
Perfluorodecanesulfonic acid (PFDS)	ND	cn	1.5	0.37	ng/L		06/10/26 09:29	06/11/26 11:48	1
Perfluorododecanesulfonic acid (PFDoS)	ND	cn	1.5	0.44	ng/L		06/10/26 09:29	06/11/26 11:48	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND	cn	2.9	0.74	ng/L		06/10/26 09:29	06/11/26 11:48	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND	cn	2.9	0.74	ng/L		06/10/26 09:29	06/11/26 11:48	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND	cn	2.9	0.74	ng/L		06/10/26 09:29	06/11/26 11:48	1
Perfluorooctanesulfonamide (PFOSA)	ND	cn	1.5	0.37	ng/L		06/10/26 09:29	06/11/26 11:48	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND	cn	1.5	0.37	ng/L		06/10/26 09:29	06/11/26 11:48	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND	cn	1.5	0.81	ng/L		06/10/26 09:29	06/11/26 11:48	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND	cn	1.5	0.37	ng/L		06/10/26 09:29	06/11/26 11:48	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND	cn	1.5	0.37	ng/L		06/10/26 09:29	06/11/26 11:48	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND	cn	7.4	2.9	ng/L		06/10/26 09:29	06/11/26 11:48	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND	cn	7.4	2.9	ng/L		06/10/26 09:29	06/11/26 11:48	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	cn	1.5	1.0	ng/L		06/10/26 09:29	06/11/26 11:48	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-58B

Lab Sample ID: 410-285561-21

Date Collected: 05/27/26 12:15

Matrix: Water

Date Received: 05/28/26 18:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	cn	1.5	0.37	ng/L		06/10/26 09:29	06/11/26 11:48	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	cn	1.5	0.37	ng/L		06/10/26 09:29	06/11/26 11:48	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	cn	1.5	0.37	ng/L		06/10/26 09:29	06/11/26 11:48	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	cn	1.5	0.37	ng/L		06/10/26 09:29	06/11/26 11:48	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND	cn	1.5	0.37	ng/L		06/10/26 09:29	06/11/26 11:48	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND	cn	1.5	0.37	ng/L		06/10/26 09:29	06/11/26 11:48	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND	cn	1.5	0.37	ng/L		06/10/26 09:29	06/11/26 11:48	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND	cn	2.9	0.74	ng/L		06/10/26 09:29	06/11/26 11:48	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	5.1	J cn	7.4	2.1	ng/L		06/10/26 09:29	06/11/26 11:48	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND	cn	7.4	1.8	ng/L		06/10/26 09:29	06/11/26 11:48	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	90.4	cn	5 - 130	06/10/26 09:29	06/11/26 11:48	1
13C5 PFPeA	102	cn	40 - 130	06/10/26 09:29	06/11/26 11:48	1
13C5 PFHxA	93.6	cn	40 - 130	06/10/26 09:29	06/11/26 11:48	1
13C4 PFHpA	93.4	cn	40 - 130	06/10/26 09:29	06/11/26 11:48	1
13C8 PFOA	88.8	cn	40 - 130	06/10/26 09:29	06/11/26 11:48	1
13C9 PFNA	90.8	cn	40 - 130	06/10/26 09:29	06/11/26 11:48	1
13C6 PFDA	86.5	cn	40 - 130	06/10/26 09:29	06/11/26 11:48	1
13C7 PFUnA	82.9	cn	30 - 130	06/10/26 09:29	06/11/26 11:48	1
13C2 PFTeDA	20.8	cn	10 - 130	06/10/26 09:29	06/11/26 11:48	1
13C3 PFBS	100	cn	40 - 135	06/10/26 09:29	06/11/26 11:48	1
13C3 PFHxS	93.4	cn	40 - 130	06/10/26 09:29	06/11/26 11:48	1
13C8 PFOS	90.8	cn	40 - 130	06/10/26 09:29	06/11/26 11:48	1
13C8 FOSA	74.9	cn	40 - 130	06/10/26 09:29	06/11/26 11:48	1
d3-NMeFOSAA	102	cn	40 - 170	06/10/26 09:29	06/11/26 11:48	1
d5-NEtFOSAA	83.7	cn	25 - 135	06/10/26 09:29	06/11/26 11:48	1
13C2 4:2 FTS	111	cn	40 - 200	06/10/26 09:29	06/11/26 11:48	1
13C2 6:2 FTS	137	cn	40 - 200	06/10/26 09:29	06/11/26 11:48	1
13C2 8:2 FTS	93.0	cn	40 - 300	06/10/26 09:29	06/11/26 11:48	1
13C3 HFPO-DA	95.1	cn	40 - 130	06/10/26 09:29	06/11/26 11:48	1
d7-N-MeFOSE-M	37.4	cn	10 - 130	06/10/26 09:29	06/11/26 11:48	1
d9-N-EtFOSE-M	29.3	cn	10 - 130	06/10/26 09:29	06/11/26 11:48	1
d5-NEtPFOSA	31.9	cn	10 - 130	06/10/26 09:29	06/11/26 11:48	1
d3-NMePFOSA	43.1	cn	10 - 130	06/10/26 09:29	06/11/26 11:48	1
13C2 PFDaA	63.4	cn	10 - 130	06/10/26 09:29	06/11/26 11:48	1
13C3-3:3 FTCA	104	cn	20 - 150	06/10/26 09:29	06/11/26 11:48	1
13C3-5:3 FTCA	95.2	cn	20 - 150	06/10/26 09:29	06/11/26 11:48	1
13C3-PFDoS	24.4	cn	20 - 150	06/10/26 09:29	06/11/26 11:48	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-58C

Lab Sample ID: 410-285561-22

Date Collected: 05/27/26 12:30

Matrix: Water

Date Received: 05/28/26 18:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/09/26 01:30	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/09/26 01:30	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/09/26 01:30	1
Styrene	ND		5.0	0.30	ug/L			06/09/26 01:30	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/09/26 01:30	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/09/26 01:30	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/09/26 01:30	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/09/26 01:30	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/09/26 01:30	1
Toluene	0.42	J	1.0	0.30	ug/L			06/09/26 01:30	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/09/26 01:30	1
Cyclohexane	ND		5.0	1.0	ug/L			06/09/26 01:30	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/09/26 01:30	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/09/26 01:30	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/09/26 01:30	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/09/26 01:30	1
cis-1,2-Dichloroethene	0.59	J	1.0	0.30	ug/L			06/09/26 01:30	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/09/26 01:30	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/09/26 01:30	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/09/26 01:30	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/09/26 01:30	1
2-Hexanone	ND		10	0.85	ug/L			06/09/26 01:30	1
Acetone	2.8	J	20	0.70	ug/L			06/09/26 01:30	1
Chloroform	ND		1.0	0.30	ug/L			06/09/26 01:30	1
Benzene	ND		1.0	0.30	ug/L			06/09/26 01:30	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/09/26 01:30	1
Bromomethane	ND		1.0	0.30	ug/L			06/09/26 01:30	1
Chloromethane	ND		2.0	0.55	ug/L			06/09/26 01:30	1
Chloroethane	0.77	J	1.0	0.30	ug/L			06/09/26 01:30	1
Vinyl chloride	1.4		1.0	0.30	ug/L			06/09/26 01:30	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/09/26 01:30	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/09/26 01:30	1
Bromoform	ND		4.0	1.0	ug/L			06/09/26 01:30	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/09/26 01:30	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/09/26 01:30	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/09/26 01:30	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/09/26 01:30	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/09/26 01:30	1
Freon 113	ND		10	0.30	ug/L			06/09/26 01:30	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/09/26 01:30	1
2-Butanone	ND		10	1.0	ug/L			06/09/26 01:30	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/09/26 01:30	1
Trichloroethene	0.38	J	1.0	0.30	ug/L			06/09/26 01:30	1
Methyl acetate	ND		5.0	0.60	ug/L			06/09/26 01:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/09/26 01:30	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/09/26 01:30	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/09/26 01:30	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/09/26 01:30	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-58C

Lab Sample ID: 410-285561-22

Date Collected: 05/27/26 12:30

Matrix: Water

Date Received: 05/28/26 18:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		06/09/26 01:30	1
Dibromofluoromethane (Surr)	104		80 - 120		06/09/26 01:30	1
4-Bromofluorobenzene (Surr)	110		80 - 120		06/09/26 01:30	1
Toluene-d8 (Surr)	92		80 - 120		06/09/26 01:30	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	38		3.2	0.88	ng/L		06/10/26 09:29	06/11/26 12:02	1
Perfluoropentanoic acid (PFPeA)	36		1.6	0.48	ng/L		06/10/26 09:29	06/11/26 12:02	1
Perfluorohexanoic acid (PFHxA)	22		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:02	1
Perfluoroheptanoic acid (PFHpA)	8.5		1.6	0.64	ng/L		06/10/26 09:29	06/11/26 12:02	1
Perfluorooctanoic acid (PFOA)	5.4		1.6	0.72	ng/L		06/10/26 09:29	06/11/26 12:02	1
Perfluorononanoic acid (PFNA)	2.2		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:02	1
Perfluorodecanoic acid (PFDA)	0.41 J		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:02	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:02	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:02	1
Perfluorotridecanoic acid (PFTrDA)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:02	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:02	1
Perfluorobutanesulfonic acid (PFBS)	1.4 J		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:02	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:02	1
Perfluorohexanesulfonic acid (PFHxS)	0.71 J		1.6	0.64	ng/L		06/10/26 09:29	06/11/26 12:02	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:02	1
Perfluorooctanesulfonic acid (PFOS)	1.9		1.6	1.0	ng/L		06/10/26 09:29	06/11/26 12:02	1
Perfluorononanesulfonic acid (PFNS)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:02	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:02	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.6	0.48	ng/L		06/10/26 09:29	06/11/26 12:02	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.2	0.80	ng/L		06/10/26 09:29	06/11/26 12:02	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	54		3.2	0.80	ng/L		06/10/26 09:29	06/11/26 12:02	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.2	0.80	ng/L		06/10/26 09:29	06/11/26 12:02	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:02	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:02	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.6	0.88	ng/L		06/10/26 09:29	06/11/26 12:02	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:02	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:02	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.0	3.2	ng/L		06/10/26 09:29	06/11/26 12:02	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.0	3.2	ng/L		06/10/26 09:29	06/11/26 12:02	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.6	1.1	ng/L		06/10/26 09:29	06/11/26 12:02	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-58C

Lab Sample ID: 410-285561-22

Date Collected: 05/27/26 12:30

Matrix: Water

Date Received: 05/28/26 18:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:02	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:02	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:02	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:02	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:02	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:02	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:02	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.2	0.80	ng/L		06/10/26 09:29	06/11/26 12:02	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	17		8.0	2.2	ng/L		06/10/26 09:29	06/11/26 12:02	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.0	2.0	ng/L		06/10/26 09:29	06/11/26 12:02	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	89.8		5 - 130	06/10/26 09:29	06/11/26 12:02	1
13C5 PFPeA	91.9		40 - 130	06/10/26 09:29	06/11/26 12:02	1
13C5 PFHxA	89.8		40 - 130	06/10/26 09:29	06/11/26 12:02	1
13C4 PFHpA	92.7		40 - 130	06/10/26 09:29	06/11/26 12:02	1
13C8 PFOA	90.2		40 - 130	06/10/26 09:29	06/11/26 12:02	1
13C9 PFNA	88.7		40 - 130	06/10/26 09:29	06/11/26 12:02	1
13C6 PFDA	83.5		40 - 130	06/10/26 09:29	06/11/26 12:02	1
13C7 PFUnA	86.8		30 - 130	06/10/26 09:29	06/11/26 12:02	1
13C2 PFTeDA	73.0		10 - 130	06/10/26 09:29	06/11/26 12:02	1
13C3 PFBS	95.9		40 - 135	06/10/26 09:29	06/11/26 12:02	1
13C3 PFHxS	92.7		40 - 130	06/10/26 09:29	06/11/26 12:02	1
13C8 PFOS	88.7		40 - 130	06/10/26 09:29	06/11/26 12:02	1
13C8 FOSA	80.7		40 - 130	06/10/26 09:29	06/11/26 12:02	1
d3-NMeFOSAA	88.2		40 - 170	06/10/26 09:29	06/11/26 12:02	1
d5-NEtFOSAA	85.4		25 - 135	06/10/26 09:29	06/11/26 12:02	1
13C2 4:2 FTS	97.5		40 - 200	06/10/26 09:29	06/11/26 12:02	1
13C2 6:2 FTS	100		40 - 200	06/10/26 09:29	06/11/26 12:02	1
13C2 8:2 FTS	88.5		40 - 300	06/10/26 09:29	06/11/26 12:02	1
13C3 HFPO-DA	87.5		40 - 130	06/10/26 09:29	06/11/26 12:02	1
d7-N-MeFOSE-M	60.1		10 - 130	06/10/26 09:29	06/11/26 12:02	1
d9-N-EtFOSE-M	60.2		10 - 130	06/10/26 09:29	06/11/26 12:02	1
d5-NEtPFOSA	72.2		10 - 130	06/10/26 09:29	06/11/26 12:02	1
d3-NMePFOSA	74.5		10 - 130	06/10/26 09:29	06/11/26 12:02	1
13C2 PFDoA	76.7		10 - 130	06/10/26 09:29	06/11/26 12:02	1
13C3-3:3 FTCA	107		20 - 150	06/10/26 09:29	06/11/26 12:02	1
13C3-5:3 FTCA	87.0		20 - 150	06/10/26 09:29	06/11/26 12:02	1
13C3-PFDoS	74.0		20 - 150	06/10/26 09:29	06/11/26 12:02	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-83

Lab Sample ID: 410-285561-23

Date Collected: 05/27/26 14:15

Matrix: Water

Date Received: 05/28/26 18:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/09/26 01:52	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/09/26 01:52	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/09/26 01:52	1
Styrene	ND		5.0	0.30	ug/L			06/09/26 01:52	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/09/26 01:52	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/09/26 01:52	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/09/26 01:52	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/09/26 01:52	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/09/26 01:52	1
Toluene	ND		1.0	0.30	ug/L			06/09/26 01:52	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/09/26 01:52	1
Cyclohexane	ND		5.0	1.0	ug/L			06/09/26 01:52	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/09/26 01:52	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/09/26 01:52	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/09/26 01:52	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/09/26 01:52	1
cis-1,2-Dichloroethene	2.0		1.0	0.30	ug/L			06/09/26 01:52	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/09/26 01:52	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/09/26 01:52	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/09/26 01:52	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/09/26 01:52	1
2-Hexanone	ND		10	0.85	ug/L			06/09/26 01:52	1
Acetone	1.6 J		20	0.70	ug/L			06/09/26 01:52	1
Chloroform	ND		1.0	0.30	ug/L			06/09/26 01:52	1
Benzene	ND		1.0	0.30	ug/L			06/09/26 01:52	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/09/26 01:52	1
Bromomethane	ND		1.0	0.30	ug/L			06/09/26 01:52	1
Chloromethane	ND		2.0	0.55	ug/L			06/09/26 01:52	1
Chloroethane	ND		1.0	0.30	ug/L			06/09/26 01:52	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/09/26 01:52	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/09/26 01:52	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/09/26 01:52	1
Bromoform	ND		4.0	1.0	ug/L			06/09/26 01:52	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/09/26 01:52	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/09/26 01:52	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/09/26 01:52	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/09/26 01:52	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/09/26 01:52	1
Freon 113	ND		10	0.30	ug/L			06/09/26 01:52	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/09/26 01:52	1
2-Butanone	ND		10	1.0	ug/L			06/09/26 01:52	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/09/26 01:52	1
Trichloroethene	ND		1.0	0.30	ug/L			06/09/26 01:52	1
Methyl acetate	ND		5.0	0.60	ug/L			06/09/26 01:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/09/26 01:52	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/09/26 01:52	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/09/26 01:52	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/09/26 01:52	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-83

Lab Sample ID: 410-285561-23

Date Collected: 05/27/26 14:15

Matrix: Water

Date Received: 05/28/26 18:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		06/09/26 01:52	1
Dibromofluoromethane (Surr)	103		80 - 120		06/09/26 01:52	1
4-Bromofluorobenzene (Surr)	106		80 - 120		06/09/26 01:52	1
Toluene-d8 (Surr)	92		80 - 120		06/09/26 01:52	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	8.3		3.2	0.88	ng/L		06/10/26 09:29	06/11/26 12:16	1
Perfluoropentanoic acid (PFPeA)	8.7		1.6	0.48	ng/L		06/10/26 09:29	06/11/26 12:16	1
Perfluorohexanoic acid (PFHxA)	10		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:16	1
Perfluoroheptanoic acid (PFHpA)	4.6		1.6	0.64	ng/L		06/10/26 09:29	06/11/26 12:16	1
Perfluorooctanoic acid (PFOA)	8.2		1.6	0.72	ng/L		06/10/26 09:29	06/11/26 12:16	1
Perfluorononanoic acid (PFNA)	1.6		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:16	1
Perfluorodecanoic acid (PFDA)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:16	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:16	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:16	1
Perfluorotridecanoic acid (PFTrDA)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:16	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:16	1
Perfluorobutanesulfonic acid (PFBS)	3.6		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:16	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:16	1
Perfluorohexanesulfonic acid (PFHxS)	1.2 J		1.6	0.64	ng/L		06/10/26 09:29	06/11/26 12:16	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:16	1
Perfluorooctanesulfonic acid (PFOS)	3.1		1.6	1.0	ng/L		06/10/26 09:29	06/11/26 12:16	1
Perfluorononanesulfonic acid (PFNS)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:16	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:16	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.6	0.48	ng/L		06/10/26 09:29	06/11/26 12:16	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.2	0.80	ng/L		06/10/26 09:29	06/11/26 12:16	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	5.2		3.2	0.80	ng/L		06/10/26 09:29	06/11/26 12:16	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.2	0.80	ng/L		06/10/26 09:29	06/11/26 12:16	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:16	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:16	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.6	0.88	ng/L		06/10/26 09:29	06/11/26 12:16	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:16	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:16	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.0	3.2	ng/L		06/10/26 09:29	06/11/26 12:16	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.0	3.2	ng/L		06/10/26 09:29	06/11/26 12:16	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.6	1.1	ng/L		06/10/26 09:29	06/11/26 12:16	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-83

Lab Sample ID: 410-285561-23

Date Collected: 05/27/26 14:15

Matrix: Water

Date Received: 05/28/26 18:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:16	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:16	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:16	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:16	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:16	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:16	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:16	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.2	0.80	ng/L		06/10/26 09:29	06/11/26 12:16	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		8.0	2.2	ng/L		06/10/26 09:29	06/11/26 12:16	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.0	2.0	ng/L		06/10/26 09:29	06/11/26 12:16	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	89.9		5 - 130	06/10/26 09:29	06/11/26 12:16	1
13C5 PFPeA	95.0		40 - 130	06/10/26 09:29	06/11/26 12:16	1
13C5 PFHxA	99.4		40 - 130	06/10/26 09:29	06/11/26 12:16	1
13C4 PFHpA	98.6		40 - 130	06/10/26 09:29	06/11/26 12:16	1
13C8 PFOA	95.9		40 - 130	06/10/26 09:29	06/11/26 12:16	1
13C9 PFNA	98.0		40 - 130	06/10/26 09:29	06/11/26 12:16	1
13C6 PFDA	87.6		40 - 130	06/10/26 09:29	06/11/26 12:16	1
13C7 PFUnA	84.3		30 - 130	06/10/26 09:29	06/11/26 12:16	1
13C2 PFTeDA	69.4		10 - 130	06/10/26 09:29	06/11/26 12:16	1
13C3 PFBS	104		40 - 135	06/10/26 09:29	06/11/26 12:16	1
13C3 PFHxS	105		40 - 130	06/10/26 09:29	06/11/26 12:16	1
13C8 PFOS	93.7		40 - 130	06/10/26 09:29	06/11/26 12:16	1
13C8 FOSA	85.2		40 - 130	06/10/26 09:29	06/11/26 12:16	1
d3-NMeFOSAA	104		40 - 170	06/10/26 09:29	06/11/26 12:16	1
d5-NEtFOSAA	99.5		25 - 135	06/10/26 09:29	06/11/26 12:16	1
13C2 4:2 FTS	129		40 - 200	06/10/26 09:29	06/11/26 12:16	1
13C2 6:2 FTS	150		40 - 200	06/10/26 09:29	06/11/26 12:16	1
13C2 8:2 FTS	125		40 - 300	06/10/26 09:29	06/11/26 12:16	1
13C3 HFPO-DA	94.7		40 - 130	06/10/26 09:29	06/11/26 12:16	1
d7-N-MeFOSE-M	60.1		10 - 130	06/10/26 09:29	06/11/26 12:16	1
d9-N-EtFOSE-M	58.7		10 - 130	06/10/26 09:29	06/11/26 12:16	1
d5-NEtPFOSA	70.7		10 - 130	06/10/26 09:29	06/11/26 12:16	1
d3-NMePFOSA	73.5		10 - 130	06/10/26 09:29	06/11/26 12:16	1
13C2 PFDoA	82.8		10 - 130	06/10/26 09:29	06/11/26 12:16	1
13C3-3:3 FTCA	115		20 - 150	06/10/26 09:29	06/11/26 12:16	1
13C3-5:3 FTCA	101		20 - 150	06/10/26 09:29	06/11/26 12:16	1
13C3-PFDoS	72.1		20 - 150	06/10/26 09:29	06/11/26 12:16	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-84A

Lab Sample ID: 410-285561-24

Date Collected: 05/27/26 14:30

Matrix: Water

Date Received: 05/28/26 18:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/09/26 02:14	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/09/26 02:14	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/09/26 02:14	1
Styrene	ND		5.0	0.30	ug/L			06/09/26 02:14	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/09/26 02:14	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/09/26 02:14	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/09/26 02:14	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/09/26 02:14	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/09/26 02:14	1
Toluene	ND		1.0	0.30	ug/L			06/09/26 02:14	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/09/26 02:14	1
Cyclohexane	ND		5.0	1.0	ug/L			06/09/26 02:14	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/09/26 02:14	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/09/26 02:14	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/09/26 02:14	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/09/26 02:14	1
cis-1,2-Dichloroethene	0.99	J	1.0	0.30	ug/L			06/09/26 02:14	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/09/26 02:14	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/09/26 02:14	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/09/26 02:14	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/09/26 02:14	1
2-Hexanone	ND		10	0.85	ug/L			06/09/26 02:14	1
Acetone	ND		20	0.70	ug/L			06/09/26 02:14	1
Chloroform	ND		1.0	0.30	ug/L			06/09/26 02:14	1
Benzene	ND		1.0	0.30	ug/L			06/09/26 02:14	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/09/26 02:14	1
Bromomethane	ND		1.0	0.30	ug/L			06/09/26 02:14	1
Chloromethane	ND		2.0	0.55	ug/L			06/09/26 02:14	1
Chloroethane	ND		1.0	0.30	ug/L			06/09/26 02:14	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/09/26 02:14	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/09/26 02:14	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/09/26 02:14	1
Bromoform	ND		4.0	1.0	ug/L			06/09/26 02:14	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/09/26 02:14	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/09/26 02:14	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/09/26 02:14	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/09/26 02:14	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/09/26 02:14	1
Freon 113	ND		10	0.30	ug/L			06/09/26 02:14	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/09/26 02:14	1
2-Butanone	ND		10	1.0	ug/L			06/09/26 02:14	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/09/26 02:14	1
Trichloroethene	ND		1.0	0.30	ug/L			06/09/26 02:14	1
Methyl acetate	ND		5.0	0.60	ug/L			06/09/26 02:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/09/26 02:14	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/09/26 02:14	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/09/26 02:14	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/09/26 02:14	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-84A

Lab Sample ID: 410-285561-24

Date Collected: 05/27/26 14:30

Matrix: Water

Date Received: 05/28/26 18:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		06/09/26 02:14	1
Dibromofluoromethane (Surr)	104		80 - 120		06/09/26 02:14	1
4-Bromofluorobenzene (Surr)	107		80 - 120		06/09/26 02:14	1
Toluene-d8 (Surr)	91		80 - 120		06/09/26 02:14	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.8	cn	3.2	0.88	ng/L		06/10/26 09:29	06/11/26 12:29	1
Perfluoropentanoic acid (PFPeA)	4.2	cn	1.6	0.48	ng/L		06/10/26 09:29	06/11/26 12:29	1
Perfluorohexanoic acid (PFHxA)	5.6	cn	1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:29	1
Perfluoroheptanoic acid (PFHpA)	2.3	cn	1.6	0.64	ng/L		06/10/26 09:29	06/11/26 12:29	1
Perfluorooctanoic acid (PFOA)	4.2	cn	1.6	0.72	ng/L		06/10/26 09:29	06/11/26 12:29	1
Perfluorononanoic acid (PFNA)	1.6	I cn	1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:29	1
Perfluorodecanoic acid (PFDA)	ND	cn	1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:29	1
Perfluoroundecanoic acid (PFUnA)	ND	cn	1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:29	1
Perfluorododecanoic acid (PFDoA)	ND	cn	1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:29	1
Perfluorotridecanoic acid (PFTrDA)	ND	cn	1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:29	1
Perfluorotetradecanoic acid (PFTeDA)	ND	cn	1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:29	1
Perfluorobutanesulfonic acid (PFBS)	1.4	J cn	1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:29	1
Perfluoropentanesulfonic acid (PFPeS)	ND	cn	1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:29	1
Perfluorohexanesulfonic acid (PFHxS)	ND	cn	1.6	0.64	ng/L		06/10/26 09:29	06/11/26 12:29	1
Perfluoroheptanesulfonic acid (PFHpS)	ND	cn	1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:29	1
Perfluorooctanesulfonic acid (PFOS)	2.7	cn	1.6	1.0	ng/L		06/10/26 09:29	06/11/26 12:29	1
Perfluorononanesulfonic acid (PFNS)	ND	cn	1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:29	1
Perfluorodecanesulfonic acid (PFDS)	ND	cn	1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:29	1
Perfluorododecanesulfonic acid (PFDoS)	ND	cn	1.6	0.48	ng/L		06/10/26 09:29	06/11/26 12:29	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND	cn	3.2	0.80	ng/L		06/10/26 09:29	06/11/26 12:29	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	3.9	cn	3.2	0.80	ng/L		06/10/26 09:29	06/11/26 12:29	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND	cn	3.2	0.80	ng/L		06/10/26 09:29	06/11/26 12:29	1
Perfluorooctanesulfonamide (PFOSA)	ND	cn	1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:29	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND	cn	1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:29	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND	cn	1.6	0.88	ng/L		06/10/26 09:29	06/11/26 12:29	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND	cn	1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:29	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND	cn	1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:29	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND	cn	8.0	3.2	ng/L		06/10/26 09:29	06/11/26 12:29	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND	cn	8.0	3.2	ng/L		06/10/26 09:29	06/11/26 12:29	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	cn	1.6	1.1	ng/L		06/10/26 09:29	06/11/26 12:29	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	cn	1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:29	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-84A

Lab Sample ID: 410-285561-24

Date Collected: 05/27/26 14:30

Matrix: Water

Date Received: 05/28/26 18:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	cn	1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:29	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	cn	1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:29	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	cn	1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:29	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9CI-PF3ONS)	ND	cn	1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:29	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11CI-PF3OUdS)	ND	cn	1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:29	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND	cn	1.6	0.40	ng/L		06/10/26 09:29	06/11/26 12:29	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND	cn	3.2	0.80	ng/L		06/10/26 09:29	06/11/26 12:29	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND	cn	8.0	2.2	ng/L		06/10/26 09:29	06/11/26 12:29	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND	cn	8.0	2.0	ng/L		06/10/26 09:29	06/11/26 12:29	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	87.3	cn	5 - 130				06/10/26 09:29	06/11/26 12:29	1
13C5 PFPeA	81.8	cn	40 - 130				06/10/26 09:29	06/11/26 12:29	1
13C5 PFHxA	91.7	cn	40 - 130				06/10/26 09:29	06/11/26 12:29	1
13C4 PFHpA	95.4	cn	40 - 130				06/10/26 09:29	06/11/26 12:29	1
13C8 PFOA	95.7	cn	40 - 130				06/10/26 09:29	06/11/26 12:29	1
13C9 PFNA	96.3	cn	40 - 130				06/10/26 09:29	06/11/26 12:29	1
13C6 PFDA	89.0	cn	40 - 130				06/10/26 09:29	06/11/26 12:29	1
13C7 PFUnA	86.1	cn	30 - 130				06/10/26 09:29	06/11/26 12:29	1
13C2 PFTeDA	23.8	cn	10 - 130				06/10/26 09:29	06/11/26 12:29	1
13C3 PFBS	102	cn	40 - 135				06/10/26 09:29	06/11/26 12:29	1
13C3 PFHxS	96.1	cn	40 - 130				06/10/26 09:29	06/11/26 12:29	1
13C8 PFOS	98.8	cn	40 - 130				06/10/26 09:29	06/11/26 12:29	1
13C8 FOSA	93.7	cn	40 - 130				06/10/26 09:29	06/11/26 12:29	1
d3-NMeFOSAA	117	cn	40 - 170				06/10/26 09:29	06/11/26 12:29	1
d5-NEtFOSAA	113	cn	25 - 135				06/10/26 09:29	06/11/26 12:29	1
13C2 4:2 FTS	169	cn	40 - 200				06/10/26 09:29	06/11/26 12:29	1
13C2 6:2 FTS	215	*5+ cn	40 - 200				06/10/26 09:29	06/11/26 12:29	1
13C2 8:2 FTS	152	cn	40 - 300				06/10/26 09:29	06/11/26 12:29	1
13C3 HFPO-DA	90.4	cn	40 - 130				06/10/26 09:29	06/11/26 12:29	1
d7-N-MeFOSE-M	49.7	cn	10 - 130				06/10/26 09:29	06/11/26 12:29	1
d9-N-EtFOSE-M	41.9	cn	10 - 130				06/10/26 09:29	06/11/26 12:29	1
d5-NEtPFOSA	40.1	cn	10 - 130				06/10/26 09:29	06/11/26 12:29	1
d3-NMePFOSA	50.6	cn	10 - 130				06/10/26 09:29	06/11/26 12:29	1
13C2 PFDaA	68.7	cn	10 - 130				06/10/26 09:29	06/11/26 12:29	1
13C3-3:3 FTCA	88.5	cn	20 - 150				06/10/26 09:29	06/11/26 12:29	1
13C3-5:3 FTCA	136	cn	20 - 150				06/10/26 09:29	06/11/26 12:29	1
13C3-PFDoS	23.9	cn	20 - 150				06/10/26 09:29	06/11/26 12:29	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-84B

Lab Sample ID: 410-285561-25

Date Collected: 05/27/26 15:00

Matrix: Water

Date Received: 05/28/26 18:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/09/26 03:20	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/09/26 03:20	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/09/26 03:20	1
Styrene	ND		5.0	0.30	ug/L			06/09/26 03:20	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/09/26 03:20	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/09/26 03:20	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/09/26 03:20	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/09/26 03:20	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/09/26 03:20	1
Toluene	ND		1.0	0.30	ug/L			06/09/26 03:20	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/09/26 03:20	1
Cyclohexane	ND		5.0	1.0	ug/L			06/09/26 03:20	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/09/26 03:20	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/09/26 03:20	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/09/26 03:20	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/09/26 03:20	1
cis-1,2-Dichloroethene	18	F2 FH FL	1.0	0.30	ug/L			06/09/26 03:20	1
trans-1,2-Dichloroethene	7.8		2.0	0.70	ug/L			06/09/26 03:20	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/09/26 03:20	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/09/26 03:20	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/09/26 03:20	1
2-Hexanone	ND		10	0.85	ug/L			06/09/26 03:20	1
Acetone	ND		20	0.70	ug/L			06/09/26 03:20	1
Chloroform	ND		1.0	0.30	ug/L			06/09/26 03:20	1
Benzene	0.32	J	1.0	0.30	ug/L			06/09/26 03:20	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/09/26 03:20	1
Bromomethane	ND		1.0	0.30	ug/L			06/09/26 03:20	1
Chloromethane	ND		2.0	0.55	ug/L			06/09/26 03:20	1
Chloroethane	ND		1.0	0.30	ug/L			06/09/26 03:20	1
Vinyl chloride	6.6		1.0	0.30	ug/L			06/09/26 03:20	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/09/26 03:20	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/09/26 03:20	1
Bromoform	ND		4.0	1.0	ug/L			06/09/26 03:20	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/09/26 03:20	1
1,1-Dichloroethane	0.59	J	1.0	0.30	ug/L			06/09/26 03:20	1
1,1-Dichloroethene	0.33	J	1.0	0.30	ug/L			06/09/26 03:20	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/09/26 03:20	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/09/26 03:20	1
Freon 113	ND		10	0.30	ug/L			06/09/26 03:20	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/09/26 03:20	1
2-Butanone	ND		10	1.0	ug/L			06/09/26 03:20	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/09/26 03:20	1
Trichloroethene	ND		1.0	0.30	ug/L			06/09/26 03:20	1
Methyl acetate	ND		5.0	0.60	ug/L			06/09/26 03:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/09/26 03:20	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/09/26 03:20	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/09/26 03:20	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/09/26 03:20	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-84B

Lab Sample ID: 410-285561-25

Date Collected: 05/27/26 15:00

Matrix: Water

Date Received: 05/28/26 18:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		06/09/26 03:20	1
Dibromofluoromethane (Surr)	102		80 - 120		06/09/26 03:20	1
4-Bromofluorobenzene (Surr)	107		80 - 120		06/09/26 03:20	1
Toluene-d8 (Surr)	92		80 - 120		06/09/26 03:20	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	8.3	cn	3.7	1.0	ng/L		06/10/26 09:29	06/11/26 12:43	1
Perfluoropentanoic acid (PFPeA)	7.1	cn	1.9	0.56	ng/L		06/10/26 09:29	06/11/26 12:43	1
Perfluorohexanoic acid (PFHxA)	7.1	cn	1.9	0.47	ng/L		06/10/26 09:29	06/11/26 12:43	1
Perfluoroheptanoic acid (PFHpA)	4.1	cn	1.9	0.74	ng/L		06/10/26 09:29	06/11/26 12:43	1
Perfluorooctanoic acid (PFOA)	9.0	cn	1.9	0.84	ng/L		06/10/26 09:29	06/11/26 12:43	1
Perfluorononanoic acid (PFNA)	1.7	J cn	1.9	0.47	ng/L		06/10/26 09:29	06/11/26 12:43	1
Perfluorodecanoic acid (PFDA)	ND	cn	1.9	0.47	ng/L		06/10/26 09:29	06/11/26 12:43	1
Perfluoroundecanoic acid (PFUnA)	ND	cn	1.9	0.47	ng/L		06/10/26 09:29	06/11/26 12:43	1
Perfluorododecanoic acid (PFDoA)	ND	cn	1.9	0.47	ng/L		06/10/26 09:29	06/11/26 12:43	1
Perfluorotridecanoic acid (PFTrDA)	ND	FL cn	1.9	0.47	ng/L		06/10/26 09:29	06/11/26 12:43	1
Perfluorotetradecanoic acid (PFTeDA)	ND	cn	1.9	0.47	ng/L		06/10/26 09:29	06/11/26 12:43	1
Perfluorobutanesulfonic acid (PFBS)	4.7	cn	1.9	0.47	ng/L		06/10/26 09:29	06/11/26 12:43	1
Perfluoropentanesulfonic acid (PFPeS)	0.51	J cn	1.9	0.47	ng/L		06/10/26 09:29	06/11/26 12:43	1
Perfluorohexanesulfonic acid (PFHxS)	2.2	cn	1.9	0.74	ng/L		06/10/26 09:29	06/11/26 12:43	1
Perfluoroheptanesulfonic acid (PFHpS)	ND	cn	1.9	0.47	ng/L		06/10/26 09:29	06/11/26 12:43	1
Perfluorooctanesulfonic acid (PFOS)	12	cn	1.9	1.2	ng/L		06/10/26 09:29	06/11/26 12:43	1
Perfluorononanesulfonic acid (PFNS)	ND	FL cn	1.9	0.47	ng/L		06/10/26 09:29	06/11/26 12:43	1
Perfluorodecanesulfonic acid (PFDS)	ND	FL cn	1.9	0.47	ng/L		06/10/26 09:29	06/11/26 12:43	1
Perfluorododecanesulfonic acid (PFDoS)	ND	cn	1.9	0.56	ng/L		06/10/26 09:29	06/11/26 12:43	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND	cn	3.7	0.93	ng/L		06/10/26 09:29	06/11/26 12:43	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	150	FL F2 cn	3.7	0.93	ng/L		06/10/26 09:29	06/11/26 12:43	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND	cn	3.7	0.93	ng/L		06/10/26 09:29	06/11/26 12:43	1
Perfluorooctanesulfonamide (PFOSA)	ND	cn	1.9	0.47	ng/L		06/10/26 09:29	06/11/26 12:43	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND	cn	1.9	0.47	ng/L		06/10/26 09:29	06/11/26 12:43	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND	cn	1.9	1.0	ng/L		06/10/26 09:29	06/11/26 12:43	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND	cn	1.9	0.47	ng/L		06/10/26 09:29	06/11/26 12:43	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND	cn	1.9	0.47	ng/L		06/10/26 09:29	06/11/26 12:43	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND	cn	9.3	3.7	ng/L		06/10/26 09:29	06/11/26 12:43	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND	cn	9.3	3.7	ng/L		06/10/26 09:29	06/11/26 12:43	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	cn	1.9	1.3	ng/L		06/10/26 09:29	06/11/26 12:43	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-84B

Lab Sample ID: 410-285561-25

Date Collected: 05/27/26 15:00

Matrix: Water

Date Received: 05/28/26 18:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	cn	1.9	0.47	ng/L		06/10/26 09:29	06/11/26 12:43	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	cn	1.9	0.47	ng/L		06/10/26 09:29	06/11/26 12:43	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	cn	1.9	0.47	ng/L		06/10/26 09:29	06/11/26 12:43	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	cn	1.9	0.47	ng/L		06/10/26 09:29	06/11/26 12:43	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND	cn	1.9	0.47	ng/L		06/10/26 09:29	06/11/26 12:43	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND	FL cn	1.9	0.47	ng/L		06/10/26 09:29	06/11/26 12:43	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND	cn	1.9	0.47	ng/L		06/10/26 09:29	06/11/26 12:43	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND	cn	3.7	0.93	ng/L		06/10/26 09:29	06/11/26 12:43	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND	cn	9.3	2.6	ng/L		06/10/26 09:29	06/11/26 12:43	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND	cn	9.3	2.3	ng/L		06/10/26 09:29	06/11/26 12:43	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	88.5	cn	5 - 130	06/10/26 09:29	06/11/26 12:43	1
13C5 PFPeA	98.1	cn	40 - 130	06/10/26 09:29	06/11/26 12:43	1
13C5 PFHxA	87.5	cn	40 - 130	06/10/26 09:29	06/11/26 12:43	1
13C4 PFHpA	94.4	cn	40 - 130	06/10/26 09:29	06/11/26 12:43	1
13C8 PFOA	97.4	cn	40 - 130	06/10/26 09:29	06/11/26 12:43	1
13C9 PFNA	96.1	cn	40 - 130	06/10/26 09:29	06/11/26 12:43	1
13C6 PFDA	88.2	cn	40 - 130	06/10/26 09:29	06/11/26 12:43	1
13C7 PFUnA	82.5	cn	30 - 130	06/10/26 09:29	06/11/26 12:43	1
13C2 PFTeDA	23.4	cn	10 - 130	06/10/26 09:29	06/11/26 12:43	1
13C3 PFBS	96.9	cn	40 - 135	06/10/26 09:29	06/11/26 12:43	1
13C3 PFHxS	98.5	cn	40 - 130	06/10/26 09:29	06/11/26 12:43	1
13C8 PFOS	92.3	cn	40 - 130	06/10/26 09:29	06/11/26 12:43	1
13C8 FOSA	86.5	cn	40 - 130	06/10/26 09:29	06/11/26 12:43	1
d3-NMeFOSAA	96.5	cn	40 - 170	06/10/26 09:29	06/11/26 12:43	1
d5-NEtFOSAA	85.3	cn	25 - 135	06/10/26 09:29	06/11/26 12:43	1
13C2 4:2 FTS	122	cn	40 - 200	06/10/26 09:29	06/11/26 12:43	1
13C2 6:2 FTS	131	cn	40 - 200	06/10/26 09:29	06/11/26 12:43	1
13C2 8:2 FTS	146	cn	40 - 300	06/10/26 09:29	06/11/26 12:43	1
13C3 HFPO-DA	90.6	cn	40 - 130	06/10/26 09:29	06/11/26 12:43	1
d7-N-MeFOSE-M	43.2	cn	10 - 130	06/10/26 09:29	06/11/26 12:43	1
d9-N-EtFOSE-M	37.8	cn	10 - 130	06/10/26 09:29	06/11/26 12:43	1
d5-NEtPFOSA	42.9	cn	10 - 130	06/10/26 09:29	06/11/26 12:43	1
d3-NMePFOSA	49.6	cn	10 - 130	06/10/26 09:29	06/11/26 12:43	1
13C2 PFDoA	69.4	cn	10 - 130	06/10/26 09:29	06/11/26 12:43	1
13C3-3:3 FTCA	108	cn	20 - 150	06/10/26 09:29	06/11/26 12:43	1
13C3-5:3 FTCA	96.0	cn	20 - 150	06/10/26 09:29	06/11/26 12:43	1
13C3-PFDoS	26.6	cn	20 - 150	06/10/26 09:29	06/11/26 12:43	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: Duplicate 1

Lab Sample ID: 410-285561-26

Date Collected: 05/27/26 14:45

Matrix: Water

Date Received: 05/28/26 18:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/09/26 02:36	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/09/26 02:36	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/09/26 02:36	1
Styrene	ND		5.0	0.30	ug/L			06/09/26 02:36	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/09/26 02:36	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/09/26 02:36	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/09/26 02:36	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/09/26 02:36	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/09/26 02:36	1
Toluene	ND		1.0	0.30	ug/L			06/09/26 02:36	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/09/26 02:36	1
Cyclohexane	ND		5.0	1.0	ug/L			06/09/26 02:36	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/09/26 02:36	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/09/26 02:36	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/09/26 02:36	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/09/26 02:36	1
cis-1,2-Dichloroethene	0.97	J	1.0	0.30	ug/L			06/09/26 02:36	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/09/26 02:36	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/09/26 02:36	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/09/26 02:36	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/09/26 02:36	1
2-Hexanone	ND		10	0.85	ug/L			06/09/26 02:36	1
Acetone	ND		20	0.70	ug/L			06/09/26 02:36	1
Chloroform	ND		1.0	0.30	ug/L			06/09/26 02:36	1
Benzene	ND		1.0	0.30	ug/L			06/09/26 02:36	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/09/26 02:36	1
Bromomethane	ND		1.0	0.30	ug/L			06/09/26 02:36	1
Chloromethane	ND		2.0	0.55	ug/L			06/09/26 02:36	1
Chloroethane	ND		1.0	0.30	ug/L			06/09/26 02:36	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/09/26 02:36	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/09/26 02:36	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/09/26 02:36	1
Bromoform	ND		4.0	1.0	ug/L			06/09/26 02:36	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/09/26 02:36	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/09/26 02:36	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/09/26 02:36	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/09/26 02:36	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/09/26 02:36	1
Freon 113	ND		10	0.30	ug/L			06/09/26 02:36	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/09/26 02:36	1
2-Butanone	ND		10	1.0	ug/L			06/09/26 02:36	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/09/26 02:36	1
Trichloroethene	ND		1.0	0.30	ug/L			06/09/26 02:36	1
Methyl acetate	ND		5.0	0.60	ug/L			06/09/26 02:36	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/09/26 02:36	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/09/26 02:36	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/09/26 02:36	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/09/26 02:36	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: Duplicate 1

Lab Sample ID: 410-285561-26

Date Collected: 05/27/26 14:45

Matrix: Water

Date Received: 05/28/26 18:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		06/09/26 02:36	1
Dibromofluoromethane (Surr)	104		80 - 120		06/09/26 02:36	1
4-Bromofluorobenzene (Surr)	109		80 - 120		06/09/26 02:36	1
Toluene-d8 (Surr)	94		80 - 120		06/09/26 02:36	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	6.2	cn	3.2	0.89	ng/L		06/10/26 09:29	06/11/26 13:24	1
Perfluoropentanoic acid (PFPeA)	3.8	cn	1.6	0.48	ng/L		06/10/26 09:29	06/11/26 13:24	1
Perfluorohexanoic acid (PFHxA)	5.0	cn	1.6	0.40	ng/L		06/10/26 09:29	06/11/26 13:24	1
Perfluoroheptanoic acid (PFHpA)	3.3	I cn	1.6	0.65	ng/L		06/10/26 09:29	06/11/26 13:24	1
Perfluorooctanoic acid (PFOA)	3.9	cn	1.6	0.73	ng/L		06/10/26 09:29	06/11/26 13:24	1
Perfluorononanoic acid (PFNA)	1.6	cn	1.6	0.40	ng/L		06/10/26 09:29	06/11/26 13:24	1
Perfluorodecanoic acid (PFDA)	0.43	J cn	1.6	0.40	ng/L		06/10/26 09:29	06/11/26 13:24	1
Perfluoroundecanoic acid (PFUnA)	ND	cn	1.6	0.40	ng/L		06/10/26 09:29	06/11/26 13:24	1
Perfluorododecanoic acid (PFDoA)	ND	cn	1.6	0.40	ng/L		06/10/26 09:29	06/11/26 13:24	1
Perfluorotridecanoic acid (PFTrDA)	ND	cn	1.6	0.40	ng/L		06/10/26 09:29	06/11/26 13:24	1
Perfluorotetradecanoic acid (PFTeDA)	ND	cn	1.6	0.40	ng/L		06/10/26 09:29	06/11/26 13:24	1
Perfluorobutanesulfonic acid (PFBS)	1.3	J cn	1.6	0.40	ng/L		06/10/26 09:29	06/11/26 13:24	1
Perfluoropentanesulfonic acid (PFPeS)	ND	cn	1.6	0.40	ng/L		06/10/26 09:29	06/11/26 13:24	1
Perfluorohexanesulfonic acid (PFHxS)	0.87	J cn	1.6	0.65	ng/L		06/10/26 09:29	06/11/26 13:24	1
Perfluoroheptanesulfonic acid (PFHpS)	ND	cn	1.6	0.40	ng/L		06/10/26 09:29	06/11/26 13:24	1
Perfluorooctanesulfonic acid (PFOS)	3.0	cn	1.6	1.0	ng/L		06/10/26 09:29	06/11/26 13:24	1
Perfluorononanesulfonic acid (PFNS)	ND	cn	1.6	0.40	ng/L		06/10/26 09:29	06/11/26 13:24	1
Perfluorodecanesulfonic acid (PFDS)	ND	cn	1.6	0.40	ng/L		06/10/26 09:29	06/11/26 13:24	1
Perfluorododecanesulfonic acid (PFDoS)	ND	cn	1.6	0.48	ng/L		06/10/26 09:29	06/11/26 13:24	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND	cn	3.2	0.81	ng/L		06/10/26 09:29	06/11/26 13:24	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	5.6	cn	3.2	0.81	ng/L		06/10/26 09:29	06/11/26 13:24	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND	cn	3.2	0.81	ng/L		06/10/26 09:29	06/11/26 13:24	1
Perfluorooctanesulfonamide (PFOSA)	ND	cn	1.6	0.40	ng/L		06/10/26 09:29	06/11/26 13:24	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND	cn	1.6	0.40	ng/L		06/10/26 09:29	06/11/26 13:24	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND	cn	1.6	0.89	ng/L		06/10/26 09:29	06/11/26 13:24	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND	cn	1.6	0.40	ng/L		06/10/26 09:29	06/11/26 13:24	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND	cn	1.6	0.40	ng/L		06/10/26 09:29	06/11/26 13:24	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND	cn	8.1	3.2	ng/L		06/10/26 09:29	06/11/26 13:24	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND	cn	8.1	3.2	ng/L		06/10/26 09:29	06/11/26 13:24	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	cn	1.6	1.1	ng/L		06/10/26 09:29	06/11/26 13:24	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: Duplicate 1

Lab Sample ID: 410-285561-26

Date Collected: 05/27/26 14:45

Matrix: Water

Date Received: 05/28/26 18:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	cn	1.6	0.40	ng/L		06/10/26 09:29	06/11/26 13:24	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	cn	1.6	0.40	ng/L		06/10/26 09:29	06/11/26 13:24	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	cn	1.6	0.40	ng/L		06/10/26 09:29	06/11/26 13:24	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	cn	1.6	0.40	ng/L		06/10/26 09:29	06/11/26 13:24	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND	cn	1.6	0.40	ng/L		06/10/26 09:29	06/11/26 13:24	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND	cn	1.6	0.40	ng/L		06/10/26 09:29	06/11/26 13:24	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND	cn	1.6	0.40	ng/L		06/10/26 09:29	06/11/26 13:24	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND	cn	3.2	0.81	ng/L		06/10/26 09:29	06/11/26 13:24	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND	cn	8.1	2.3	ng/L		06/10/26 09:29	06/11/26 13:24	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND	cn	8.1	2.0	ng/L		06/10/26 09:29	06/11/26 13:24	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	84.2	cn	5 - 130	06/10/26 09:29	06/11/26 13:24	1
13C5 PFPeA	79.0	cn	40 - 130	06/10/26 09:29	06/11/26 13:24	1
13C5 PFHxA	92.2	cn	40 - 130	06/10/26 09:29	06/11/26 13:24	1
13C4 PFHpA	86.6	cn	40 - 130	06/10/26 09:29	06/11/26 13:24	1
13C8 PFOA	87.9	cn	40 - 130	06/10/26 09:29	06/11/26 13:24	1
13C9 PFNA	83.1	cn	40 - 130	06/10/26 09:29	06/11/26 13:24	1
13C6 PFDA	69.2	cn	40 - 130	06/10/26 09:29	06/11/26 13:24	1
13C7 PFUnA	63.7	cn	30 - 130	06/10/26 09:29	06/11/26 13:24	1
13C2 PFTeDA	31.3	cn	10 - 130	06/10/26 09:29	06/11/26 13:24	1
13C3 PFBS	98.9	cn	40 - 135	06/10/26 09:29	06/11/26 13:24	1
13C3 PFHxS	88.7	cn	40 - 130	06/10/26 09:29	06/11/26 13:24	1
13C8 PFOS	75.0	cn	40 - 130	06/10/26 09:29	06/11/26 13:24	1
13C8 FOSA	75.6	cn	40 - 130	06/10/26 09:29	06/11/26 13:24	1
d3-NMeFOSAA	87.6	cn	40 - 170	06/10/26 09:29	06/11/26 13:24	1
d5-NEtFOSAA	79.0	cn	25 - 135	06/10/26 09:29	06/11/26 13:24	1
13C2 4:2 FTS	162	cn	40 - 200	06/10/26 09:29	06/11/26 13:24	1
13C2 6:2 FTS	176	cn	40 - 200	06/10/26 09:29	06/11/26 13:24	1
13C2 8:2 FTS	103	cn	40 - 300	06/10/26 09:29	06/11/26 13:24	1
13C3 HFPO-DA	86.6	cn	40 - 130	06/10/26 09:29	06/11/26 13:24	1
d7-N-MeFOSE-M	29.6	cn	10 - 130	06/10/26 09:29	06/11/26 13:24	1
d9-N-EtFOSE-M	28.2	cn	10 - 130	06/10/26 09:29	06/11/26 13:24	1
d5-NEtPFOSA	37.6	cn	10 - 130	06/10/26 09:29	06/11/26 13:24	1
d3-NMePFOSA	46.1	cn	10 - 130	06/10/26 09:29	06/11/26 13:24	1
13C2 PFDaA	56.9	cn	10 - 130	06/10/26 09:29	06/11/26 13:24	1
13C3-3:3 FTCA	86.1	cn	20 - 150	06/10/26 09:29	06/11/26 13:24	1
13C3-5:3 FTCA	127	cn	20 - 150	06/10/26 09:29	06/11/26 13:24	1
13C3-PFDoS	31.0	cn	20 - 150	06/10/26 09:29	06/11/26 13:24	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: Trip Blank

Lab Sample ID: 410-285561-27

Date Collected: 05/07/26 00:00

Matrix: Water

Date Received: 05/28/26 18:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			05/29/26 14:39	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/29/26 14:39	1
Ethylbenzene	ND		1.0	0.40	ug/L			05/29/26 14:39	1
Styrene	ND		5.0	0.30	ug/L			05/29/26 14:39	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			05/29/26 14:39	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			05/29/26 14:39	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			05/29/26 14:39	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			05/29/26 14:39	1
Methylcyclohexane	ND		5.0	0.50	ug/L			05/29/26 14:39	1
Toluene	ND		1.0	0.30	ug/L			05/29/26 14:39	1
Chlorobenzene	ND		1.0	0.30	ug/L			05/29/26 14:39	1
Cyclohexane	ND		5.0	1.0	ug/L			05/29/26 14:39	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			05/29/26 14:39	1
Dibromochloromethane	ND		1.0	0.20	ug/L			05/29/26 14:39	1
Xylenes, Total	ND		1.0	0.40	ug/L			05/29/26 14:39	1
Tetrachloroethene	ND		1.0	0.30	ug/L			05/29/26 14:39	1
cis-1,2-Dichloroethene	ND	^c cn	1.0	0.30	ug/L			05/29/26 14:39	1
trans-1,2-Dichloroethene	ND	^c cn	2.0	0.70	ug/L			05/29/26 14:39	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			05/29/26 14:39	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			05/29/26 14:39	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			05/29/26 14:39	1
2-Hexanone	ND		10	0.85	ug/L			05/29/26 14:39	1
Acetone	ND		20	0.70	ug/L			05/29/26 14:39	1
Chloroform	ND	^c cn	1.0	0.30	ug/L			05/29/26 14:39	1
Benzene	ND		1.0	0.30	ug/L			05/29/26 14:39	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			05/29/26 14:39	1
Bromomethane	ND		1.0	0.30	ug/L			05/29/26 14:39	1
Chloromethane	ND		2.0	0.55	ug/L			05/29/26 14:39	1
Chloroethane	ND		1.0	0.30	ug/L			05/29/26 14:39	1
Vinyl chloride	ND		1.0	0.30	ug/L			05/29/26 14:39	1
Methylene Chloride	ND		1.0	0.30	ug/L			05/29/26 14:39	1
Carbon disulfide	ND		5.0	0.30	ug/L			05/29/26 14:39	1
Bromoform	ND		4.0	1.0	ug/L			05/29/26 14:39	1
Bromodichloromethane	ND		1.0	0.20	ug/L			05/29/26 14:39	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			05/29/26 14:39	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			05/29/26 14:39	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			05/29/26 14:39	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			05/29/26 14:39	1
Freon 113	ND		10	0.30	ug/L			05/29/26 14:39	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			05/29/26 14:39	1
2-Butanone	ND		10	1.0	ug/L			05/29/26 14:39	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			05/29/26 14:39	1
Trichloroethene	ND		1.0	0.30	ug/L			05/29/26 14:39	1
Methyl acetate	ND		5.0	0.60	ug/L			05/29/26 14:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/29/26 14:39	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			05/29/26 14:39	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			05/29/26 14:39	1
Isopropylbenzene	ND		5.0	0.30	ug/L			05/29/26 14:39	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: Trip Blank

Lab Sample ID: 410-285561-27

Date Collected: 05/07/26 00:00

Matrix: Water

Date Received: 05/28/26 18:15

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	98		80 - 120		05/29/26 14:39	1
Dibromofluoromethane (Surr)	99		80 - 120		05/29/26 14:39	1
4-Bromofluorobenzene (Surr)	97		80 - 120		05/29/26 14:39	1
Toluene-d8 (Surr)	96		80 - 120		05/29/26 14:39	1

Surrogate Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (80-120)	DBFM (80-120)	BFB (80-120)	TOL (80-120)
410-285561-1	MW-57A	99	94	95	96
410-285561-2	MW-57B	96	94	97	97
410-285561-3	MW-57C	99	95	96	96
410-285561-4	MW-78A	97	94	96	96
410-285561-5	MW-78B	100	99	97	98
410-285561-6	MW-78C	100	89	99	100
410-285561-6 - DL	MW-78C	98	92	99	98
410-285561-7	Field Blank #1	96	93	97	96
410-285561-8	MW-77	98 cn	90 cn	99 cn	98 cn
410-285561-9	MW-76	105 cn	108 cn	90 cn	91 cn
410-285561-10	Trip Blank 20260528	97	93	97	96
410-285561-11	MW-64	97 cn	92 cn	99 cn	101 cn
410-285561-12	MW-32	104	113	109	102
410-285561-13	MW-33	102	105	111	91
410-285561-14	MW-35	99	103	111	93
410-285561-15	PZ-5	99	104	108	92
410-285561-16	PZ-8	106	111	100	97
410-285561-17	MW-80A	104	110	102	96
410-285561-18	MW-80B	106	111	99	96
410-285561-19	MW-80C	104	107	110	92
410-285561-20	MW-58A	101	104	107	93
410-285561-21	MW-58B	101	103	107	91
410-285561-22	MW-58C	101	104	110	92
410-285561-23	MW-83	99	103	106	92
410-285561-24	MW-84A	103	104	107	91
410-285561-25	MW-84B	102	102	107	92
410-285561-25 MS	MW-84B	98	102	106	93
410-285561-25 MSD	MW-84B	100	103	106	93
410-285561-26	Duplicate 1	102	104	109	94
410-285561-27	Trip Blank	98	99	97	96
LCS 410-825910/4	Lab Control Sample	95	97	96	98
LCS 410-831044/7	Lab Control Sample	102	102	106	93
LCS 410-831496/5	Lab Control Sample	101	101	106	93
LCS 410-831502/5	Lab Control Sample	99	104	99	98
LCS 410-832697/4	Lab Control Sample	95	92	98	98
LCS 410-833147/4	Lab Control Sample	97	90	100	101
LCS 410-863819/61	Lab Control Sample	104	104	93	94
LCSD 410-825910/5	Lab Control Sample Dup	99	98	97	98
LCSD 410-831044/8	Lab Control Sample Dup	104	106	109	94
LCSD 410-831502/6	Lab Control Sample Dup	102	104	101	97
LCSD 410-832697/5	Lab Control Sample Dup	96	91	100	100
MB 410-825910/7	Method Blank	95	93	100	95
MB 410-831044/10	Method Blank	100	104	112	95
MB 410-831496/6	Method Blank	101	103	108	92
MB 410-831502/7	Method Blank	106	108	102	98
MB 410-832697/7	Method Blank	101	93	98	97
MB 410-833147/6	Method Blank	97	91	101	98
MB 410-863819/7	Method Blank	105	110	91	90

Surrogate Legend

Eurofins Lancaster Laboratories Environment Testing, LLC

Surrogate Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

DCA = 1,2-Dichloroethane-d4 (Surr)
DBFM = Dibromofluoromethane (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Isotope Dilution Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (5-130)	PFPeA (40-130)	13C5PHA (40-130)	C4PFHA (40-130)	C8PFOA (40-130)	C9PFNA (40-130)	C6PFDA (40-130)	13C7PUA (30-130)
410-285561-1	MW-57A	89.2	88.5 cn	97.8 cn	97.6 cn	89.8	95.2	86.1	85.0
410-285561-2	MW-57B	81.8	83.4 cn	87.8 cn	87.5 cn	76.3	72.3	65.7	57.9
410-285561-3	MW-57C	87.2	95.5	86.5	89.7	84.5	84.2	78.6	74.9
410-285561-4	MW-78A	88.8	84.0	85.1	83.8	77.1	74.5	66.6	64.1
410-285561-5	MW-78B	87.2	88.4	84.7	81.2	71.2	66.8	62.5	59.9
410-285561-6	MW-78C	89.5 cn	89.8 cn	87.4 cn	89.7 cn	82.6 cn	82.8 cn	70.7 cn	67.9 cn
410-285561-7	Field Blank #1	91.6	92.9	90.9	92.9	82.6	81.1	71.0	66.5
410-285561-8	MW-77	87.1	87.1	87.8	85.7	79.5	75.8	70.2	60.8
410-285561-9	MW-76	78.6 cn	75.5 cn	72.0 cn	69.9 cn	72.0 cn	68.2 cn	70.8 cn	66.8 cn
410-285561-11	MW-64	88.3	84.7	84.4	81.9	77.0	75.8	60.2	53.3
410-285561-12	MW-32	84.2	85.3	86.3	81.4	80.0	77.0	69.6	64.5
410-285561-13	MW-33	87.4	85.0	84.8	79.1	74.8	73.6	68.6	67.5
410-285561-14	MW-35	86.3 cn	90.3 cn	81.1 cn	86.3 cn	79.1 cn	81.0 cn	73.5 cn	58.6 cn
410-285561-15	PZ-5	87.9 cn	84.3 cn	85.4 cn	82.8 cn	81.8 cn	80.3 cn	75.8 cn	65.6 cn
410-285561-16	PZ-8	89.2 cn	86.8 cn	85.2 cn	88.3 cn	81.2 cn	82.9 cn	74.1 cn	62.9 cn
410-285561-17	MW-80A	88.2 cn	81.9 cn	84.3 cn	80.7 cn	77.9 cn	81.0 cn	75.1 cn	69.3 cn
410-285561-18	MW-80B	90.3 cn	84.8 cn	85.4 cn	86.4 cn	84.0 cn	80.4 cn	72.6 cn	62.1 cn
410-285561-19	MW-80C	88.7	86.7	83.2	85.1	71.6	74.4	67.0	66.2
410-285561-20	MW-58A	93.8	96.8	95.8	98.4	100	90.6	84.6	77.1
410-285561-21	MW-58B	90.4 cn	102 cn	93.6 cn	93.4 cn	88.8 cn	90.8 cn	86.5 cn	82.9 cn
410-285561-22	MW-58C	89.8	91.9	89.8	92.7	90.2	88.7	83.5	86.8
410-285561-23	MW-83	89.9	95.0	99.4	98.6	95.9	98.0	87.6	84.3
410-285561-24	MW-84A	87.3 cn	81.8 cn	91.7 cn	95.4 cn	95.7 cn	96.3 cn	89.0 cn	86.1 cn
410-285561-25	MW-84B	88.5 cn	98.1 cn	87.5 cn	94.4 cn	97.4 cn	96.1 cn	88.2 cn	82.5 cn
410-285561-25 MS	MW-84B	92.4 cn	105 cn	99.8 cn	100 cn	90.6 cn	83.5 cn	72.5 cn	48.2 cn
410-285561-25 MSD	MW-84B	84.9 cn	106 cn	97.6 cn	94.5 cn	93.2 cn	91.8 cn	78.7 cn	60.3 cn
410-285561-26	Duplicate 1	84.2 cn	79.0 cn	92.2 cn	86.6 cn	87.9 cn	83.1 cn	69.2 cn	63.7 cn
LCS 410-831492/10-A	Lab Control Sample	102	162 *5+	146 *5+	146 *5+	95.8	102	94.9	95.8
LCS 410-831748/11-A	Lab Control Sample	86.7	86.4	85.9	88.9	81.0	82.1	77.5	73.8
LCS 410-832722/15-A	Lab Control Sample	87.9	99.9	89.2	91.0	87.8	92.0	81.2	86.4
LCS 410-861121/20-A	Lab Control Sample	94.7	98.9	89.3	84.7	79.8	76.8	75.4	78.9
LCSD 410-831492/11-A	Lab Control Sample Dup	102	170 *5+	163 *5+	145 *5+	101	100	98.1	95.7
LCSD 410-831748/12-A	Lab Control Sample Dup	86.5	84.8	84.9	83.9	79.0	82.2	78.8	73.2
LLCS 410-831492/12-A	Lab Control Sample	95.7	150 *5+	151 *5+	134 *5+	95.4	97.8	85.9	93.5
LLCS 410-831748/13-A	Lab Control Sample	88.8	90.9	87.3	85.8	78.6	81.3	77.2	70.5
LLCS 410-832722/16-A	Lab Control Sample	89.2	96.1	95.9	103	92.1	89.4	81.3	86.4
LLCS 410-861121/21-A	Lab Control Sample	79.9	77.0	73.8	69.8	70.6	68.1	67.5	62.5
MB 410-831492/9-A	Method Blank	89.6	139 *5+	133 *5+	128	92.1	100	92.2	101
MB 410-831748/10-A	Method Blank	92.3	88.5	88.5	84.1	80.9	81.5	74.1	69.5
MB 410-832722/14-A	Method Blank	93.5	93.2	98.5	93.4	95.4	87.8	88.6	93.3
MB 410-861121/19-A	Method Blank	83.8	78.7	76.0	73.8	76.9	74.7	74.9	70.5
		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFTDA (10-130)	C3PFBS (40-135)	C3PFHS (40-130)	C8PFOS (40-130)	PFOSA (40-130)	d3NMFOS (40-170)	d5NEFOS (25-135)	M242FTS (40-200)
410-285561-1	MW-57A	76.6	88.9	93.8	87.9	88.4	103	95.3	165
410-285561-2	MW-57B	21.3	79.3	72.9	62.1	58.4	63.4	60.4	158
410-285561-3	MW-57C	49.8	83.6	87.7	79.0	70.1	82.1	72.3	87.6
410-285561-4	MW-78A	48.0	89.5	79.4	67.9	68.6	58.7	59.0	79.2
410-285561-5	MW-78B	55.1	82.4	76.1	63.7	60.2	52.5	55.1	77.1

Eurofins Lancaster Laboratories Environment Testing, LLC

Isotope Dilution Summary

Client: Groundwater & Environmental Services Inc

Job ID: 410-285561-1

Project/Site: GTAC-Bishop Tube HSCA Site

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFTDA (10-130)	C3PFBS (40-135)	C3PFHS (40-130)	C8PFOS (40-130)	PFOSA (40-130)	d3NMFOS (40-170)	d5NEFOS (25-135)	M242FTS (40-200)
410-285561-6	MW-78C	10.6 cn	87.9 cn	86.5 cn	74.4 cn	75.4 cn	60.8 cn	51.6 cn	104 cn
410-285561-7	Field Blank #1	55.1	91.3	88.3	74.3	70.6	60.1	59.9	77.3
410-285561-8	MW-77	47.2	88.7	83.5	71.7	68.1	61.9	62.0	86.2
410-285561-9	MW-76	57.3 cn	68.8 cn	71.3 cn	71.5 cn	59.4 cn	51.4 ^c cn	47.7 cn	54.2 ^c cn
410-285561-11	MW-64	33.7	81.3	75.1	56.2	62.1	51.3	52.9	77.4
410-285561-12	MW-32	40.5	83.3	82.9	70.9	67.3	64.2	63.6	76.0
410-285561-13	MW-33	53.9	82.5	74.0	66.1	69.1	59.9	57.7	91.5
410-285561-14	MW-35	13.1 cn	87.6 cn	82.5 cn	68.1 cn	61.2 cn	61.9 cn	54.1 cn	81.1 cn
410-285561-15	PZ-5	24.9 cn	87.6 cn	85.5 cn	76.5 cn	64.7 cn	63.4 cn	61.1 cn	88.8 cn
410-285561-16	PZ-8	12.7 cn	79.8 cn	84.7 cn	75.3 cn	58.2 cn	57.6 cn	54.7 cn	85.8 cn
410-285561-17	MW-80A	20.1 cn	85.8 cn	86.7 cn	76.0 cn	65.7 cn	60.2 cn	57.0 cn	73.8 cn
410-285561-18	MW-80B	15.5 cn	85.8 cn	86.1 cn	74.2 cn	57.3 cn	51.3 cn	46.3 cn	74.9 cn
410-285561-19	MW-80C	56.8	83.6	79.0	71.3	76.0	68.2	66.6	80.1
410-285561-20	MW-58A	63.3	96.0	91.1	88.8	82.0	98.6	92.0	104
410-285561-21	MW-58B	20.8 cn	100 cn	93.4 cn	90.8 cn	74.9 cn	102 cn	83.7 cn	111 cn
410-285561-22	MW-58C	73.0	95.9	92.7	88.7	80.7	88.2	85.4	97.5
410-285561-23	MW-83	69.4	104	105	93.7	85.2	104	99.5	129
410-285561-24	MW-84A	23.8 cn	102 cn	96.1 cn	98.8 cn	93.7 cn	117 cn	113 cn	169 cn
410-285561-25	MW-84B	23.4 cn	96.9 cn	98.5 cn	92.3 cn	86.5 cn	96.5 cn	85.3 cn	122 cn
410-285561-25 MS	MW-84B	10.2 cn	105 cn	95.8 cn	75.3 cn	55.4 cn	62.9 cn	47.8 cn	120 cn
410-285561-25 MSD	MW-84B	11.6 cn	101 cn	93.0 cn	89.5 cn	72.3 cn	85.8 cn	71.2 cn	170 cn
410-285561-26	Duplicate 1	31.3 cn	98.9 cn	88.7 cn	75.0 cn	75.6 cn	87.6 cn	79.0 cn	162 cn
LCS 410-831492/10-A	Lab Control Sample	87.3	105	102	101	101	85.7	90.2	122
LCS 410-831748/11-A	Lab Control Sample	61.5	82.0	81.7	83.3	84.8	77.9	81.1	75.5
LCS 410-832722/15-A	Lab Control Sample	81.6	92.5	89.7	85.7	83.0	90.0	95.2	89.4
LCS 410-861121/20-A	Lab Control Sample	55.5	72.0	79.1	75.3	69.2	50.1	49.9	62.8
LCSD 410-831492/11-A	Lab Control Sample Dup	97.2	109	95.8	97.6	102	102	96.0	120
LCSD 410-831748/12-A	Lab Control Sample Dup	62.2	93.3	90.3	79.3	73.9	69.9	68.8	82.8
LLCS 410-831492/12-A	Lab Control Sample	96.6	100	101	89.6	101	91.8	96.4	107
LLCS 410-831748/13-A	Lab Control Sample	53.4	79.8	81.7	78.4	75.9	72.4	70.8	77.8
LLCS 410-832722/16-A	Lab Control Sample	73.6	93.7	90.6	86.8	76.8	88.9	87.6	91.1
LLCS 410-861121/21-A	Lab Control Sample	40.3	65.8	67.4	68.5	59.2	48.4	44.0	57.9
MB 410-831492/9-A	Method Blank	111	101	103	97.4	100	95.4	105	115
MB 410-831748/10-A	Method Blank	55.2	91.4	85.1	74.7	81.6	69.0	68.2	84.3
MB 410-832722/14-A	Method Blank	81.2	97.8	100	92.3	90.7	99.1	100	96.5
MB 410-861121/19-A	Method Blank	61.1	75.4	76.3	75.6	61.4	48.1	47.1	59.5
Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		M262FTS (40-200)	M282FTS (40-300)	HFPODA (40-130)	NMFM (10-130)	NEFM (10-130)	d5NPFSA (10-130)	d3NMFSA (10-130)	PFDaA (10-130)
410-285561-1	MW-57A	206 *5+ cn	168	88.2	78.3	73.5	73.5	75.2	87.5
410-285561-2	MW-57B	146	108	80.1	31.3	28.4	19.7	24.5	44.5
410-285561-3	MW-57C	92.2	94.1	87.7	41.5	40.2	54.0	59.1	62.8
410-285561-4	MW-78A	71.8	63.2	88.5	42.6	40.1	57.5	60.1	59.6
410-285561-5	MW-78B	67.3	66.3	83.8	38.9	40.5	52.9	54.0	59.1
410-285561-6	MW-78C	101 cn	77.0 cn	88.1 cn	15.6 cn	11.9 cn	18.5 cn	27.9 cn	44.9 cn
410-285561-7	Field Blank #1	86.2	82.8	93.4	44.4	41.9	56.8	60.4	63.7
410-285561-8	MW-77	78.2	80.8	87.0	40.9	39.5	53.5	57.5	52.7

Eurofins Lancaster Laboratories Environment Testing, LLC

Isotope Dilution Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		M262FTS (40-200)	M282FTS (40-300)	HFPODA (40-130)	NMFM (10-130)	NEFM (10-130)	d5NPFSA (10-130)	d3NMFSA (10-130)	PFD0A (10-130)
410-285561-9	MW-76	56.2 ^c cn	52.0 ^c cn	69.6 cn	48.1 cn	45.7 cn	51.9 cn	55.3 cn	62.0 cn
410-285561-11	MW-64	70.8	64.1	85.6	37.8	37.4	51.6	55.3	43.4
410-285561-12	MW-32	89.6	82.0	75.2	43.9	39.7	53.6	58.2	61.2
410-285561-13	MW-33	77.6	68.7	82.5	41.9	40.9	56.6	59.9	66.0
410-285561-14	MW-35	103 cn	80.0 cn	88.4 cn	25.0 cn	17.6 cn	27.9 cn	34.6 cn	40.5 cn
410-285561-15	PZ-5	102 cn	79.7 cn	90.8 cn	31.6 cn	25.5 cn	30.9 cn	37.8 cn	48.3 cn
410-285561-16	PZ-8	104 cn	82.1 cn	86.2 cn	32.1 cn	26.0 cn	27.6 cn	35.7 cn	43.7 cn
410-285561-17	MW-80A	101 cn	80.2 cn	81.8 cn	29.0 cn	22.7 cn	34.8 cn	41.8 cn	49.8 cn
410-285561-18	MW-80B	89.6 cn	72.6 cn	85.3 cn	24.5 cn	19.3 cn	32.0 cn	38.4 cn	43.4 cn
410-285561-19	MW-80C	74.4	80.3	84.2	50.4	48.9	65.4	68.1	67.9
410-285561-20	MW-58A	132	115	95.4	50.2	49.3	63.4	71.0	81.6
410-285561-21	MW-58B	137 cn	93.0 cn	95.1 cn	37.4 cn	29.3 cn	31.9 cn	43.1 cn	63.4 cn
410-285561-22	MW-58C	100	88.5	87.5	60.1	60.2	72.2	74.5	76.7
410-285561-23	MW-83	150	125	94.7	60.1	58.7	70.7	73.5	82.8
410-285561-24	MW-84A	215 *5+ cn	152 cn	90.4 cn	49.7 cn	41.9 cn	40.1 cn	50.6 cn	68.7 cn
410-285561-25	MW-84B	131 cn	146 cn	90.6 cn	43.2 cn	37.8 cn	42.9 cn	49.6 cn	69.4 cn
410-285561-25 MS	MW-84B	135 cn	107 cn	94.7 cn	17.9 cn	14.2 cn	18.0 cn	21.3 cn	24.8 cn
410-285561-25 MSD	MW-84B	131 cn	119 cn	95.0 cn	21.8 cn	15.1 cn	24.1 cn	31.2 cn	34.7 cn
410-285561-26	Duplicate 1	176 cn	103 cn	86.6 cn	29.6 cn	28.2 cn	37.6 cn	46.1 cn	56.9 cn
LCS 410-831492/10-A	Lab Control Sample	116	196	83.7	98.8	93.8	78.5	75.6	92.0
LCS 410-831748/11-A	Lab Control Sample	84.0	80.5	85.6	71.1	71.5	70.8	74.6	71.0
LCS 410-832722/15-A	Lab Control Sample	96.3	91.7	92.8	77.2	80.6	75.8	77.4	86.4
LCS 410-861121/20-A	Lab Control Sample	61.7	49.1	80.1	50.6	46.8	54.7	58.3	75.8
LCSD 410-831492/11-A	Lab Control Sample Dup	114	185	85.7	94.4	92.6	87.5	84.0	100
LCSD 410-831748/12-A	Lab Control Sample Dup	89.0	88.4	84.2	52.7	53.7	66.1	66.3	69.8
LLCS 410-831492/12-A	Lab Control Sample	117	190	78.1	106	104	86.3	80.8	97.1
LLCS 410-831748/13-A	Lab Control Sample	94.4	78.9	88.4	49.9	49.2	58.4	63.3	62.6
LLCS 410-832722/16-A	Lab Control Sample	95.0	87.7	92.7	58.8	59.4	70.3	71.9	77.9
LLCS 410-861121/21-A	Lab Control Sample	51.2	52.8	69.7	34.5	30.4	44.6	48.3	58.1
MB 410-831492/9-A	Method Blank	123	195	79.1	116	111	85.8	81.0	107
MB 410-831748/10-A	Method Blank	86.8	80.9	83.9	48.1	44.8	63.1	67.9	63.2
MB 410-832722/14-A	Method Blank	105	102	91.3	74.1	71.5	78.6	80.9	88.0
MB 410-861121/19-A	Method Blank	59.8	55.3	74.9	38.4	35.6	48.2	49.9	63.6

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)		
		3-3:3 FTC (20-150)	3-5:3 FTC (20-150)	3C3-PFDo (20-150)
410-285561-1	MW-57A	95.0 cn	98.3	76.6
410-285561-2	MW-57B	95.8 cn	80.9	21.9
410-285561-3	MW-57C	142 ^c cn	92.0	58.1
410-285561-4	MW-78A	135 ^c cn	86.7	57.5
410-285561-5	MW-78B	151 ^c *5+ cn	83.7	51.4
410-285561-6	MW-78C	147 ^c cn	116 cn	15.2 *- cn
410-285561-7	Field Blank #1	151 ^c *5+ cn	87.6	57.9
410-285561-8	MW-77	141 ^c cn	87.4	52.0
410-285561-9	MW-76	79.1 cn	63.7 cn	56.3 cn
410-285561-11	MW-64	145 ^c cn	82.6	36.3

Eurofins Lancaster Laboratories Environment Testing, LLC

Isotope Dilution Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)		
		3-3:3 FTC (20-150)	3-5:3 FTC (20-150)	3C3-PFDo (20-150)
410-285561-12	MW-32	164 ^c *5+ cn	91.9	42.9
410-285561-13	MW-33	143 ^c cn	83.0	58.4
410-285561-14	MW-35	132 ^c cn	90.3 cn	16.1 *5- cn
410-285561-15	PZ-5	143 ^c cn	90.4 cn	29.0 cn
410-285561-16	PZ-8	150 ^c cn	87.8 cn	16.3 *5- cn
410-285561-17	MW-80A	128 ^c cn	81.7 cn	23.1 cn
410-285561-18	MW-80B	134 ^c cn	88.7 cn	17.3 *5- cn
410-285561-19	MW-80C	164 ^c *5+ cn	84.4	64.9
410-285561-20	MW-58A	108	94.1	65.4
410-285561-21	MW-58B	104 cn	95.2 cn	24.4 cn
410-285561-22	MW-58C	107	87.0	74.0
410-285561-23	MW-83	115	101	72.1
410-285561-24	MW-84A	88.5 cn	136 cn	23.9 cn
410-285561-25	MW-84B	108 cn	96.0 cn	26.6 cn
410-285561-25 MS	MW-84B	118 cn	100 cn	11.6 *5- cn
410-285561-25 MSD	MW-84B	133 cn	102 cn	12.4 *5- cn
410-285561-26	Duplicate 1	86.1 cn	127 cn	31.0 cn
LCS 410-831492/10-A	Lab Control Sample	159 *5+	120	79.1
LCS 410-831748/11-A	Lab Control Sample	143	84.0	71.6
LCS 410-832722/15-A	Lab Control Sample	101	92.0	83.8
LCS 410-861121/20-A	Lab Control Sample	96.5	82.2	49.5
LCSD 410-831492/11-A	Lab Control Sample Dup	157 *5+	122	87.1
LCSD 410-831748/12-A	Lab Control Sample Dup	133	81.4	69.3
LLCS 410-831492/12-A	Lab Control Sample	151 *5+	111	88.3
LLCS 410-831748/13-A	Lab Control Sample	139	84.6	60.6
LLCS 410-832722/16-A	Lab Control Sample	110	92.1	67.3
LLCS 410-861121/21-A	Lab Control Sample	88.2	67.4	36.0
MB 410-831492/9-A	Method Blank	131	99.9	94.8
MB 410-831748/10-A	Method Blank	136	79.0	56.8
MB 410-832722/14-A	Method Blank	98.7	89.4	74.4
MB 410-861121/19-A	Method Blank	85.0	68.8	53.5

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS

Eurofins Lancaster Laboratories Environment Testing, LLC

Isotope Dilution Summary

Client: Groundwater & Environmental Services Inc

Job ID: 410-285561-1

Project/Site: GTAC-Bishop Tube HSCA Site

PFOSA = 13C8 FOSA

d3NMFOS = d3-NMeFOSAA

d5NEFOS = d5-NEtFOSAA

M242FTS = 13C2 4:2 FTS

M262FTS = 13C2 6:2 FTS

M282FTS = 13C2 8:2 FTS

HFPODA = 13C3 HFPO-DA

NMFM = d7-N-MeFOSE-M

NEFM = d9-N-EtFOSE-M

d5NPFSA = d5-NEtPFOSA

d3NMFSA = d3-NMePFOSA

PFDaA = 13C2 PFDaA

C3-3:3 FTCA = 13C3-3:3 FTCA

C3-5:3 FTCA = 13C3-5:3 FTCA

13C3-PFDoS = 13C3-PFDoS

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 410-825910/7

Matrix: Water

Analysis Batch: 825910

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			05/29/26 10:31	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/29/26 10:31	1
Ethylbenzene	ND		1.0	0.40	ug/L			05/29/26 10:31	1
Styrene	ND		5.0	0.30	ug/L			05/29/26 10:31	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			05/29/26 10:31	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			05/29/26 10:31	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			05/29/26 10:31	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			05/29/26 10:31	1
Methylcyclohexane	ND		5.0	0.50	ug/L			05/29/26 10:31	1
Toluene	ND		1.0	0.30	ug/L			05/29/26 10:31	1
Chlorobenzene	ND		1.0	0.30	ug/L			05/29/26 10:31	1
Cyclohexane	ND		5.0	1.0	ug/L			05/29/26 10:31	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			05/29/26 10:31	1
Dibromochloromethane	ND		1.0	0.20	ug/L			05/29/26 10:31	1
Xylenes, Total	ND		1.0	0.40	ug/L			05/29/26 10:31	1
Tetrachloroethene	ND		1.0	0.30	ug/L			05/29/26 10:31	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/29/26 10:31	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			05/29/26 10:31	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			05/29/26 10:31	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			05/29/26 10:31	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			05/29/26 10:31	1
2-Hexanone	ND		10	0.85	ug/L			05/29/26 10:31	1
Acetone	ND		20	0.70	ug/L			05/29/26 10:31	1
Chloroform	ND		1.0	0.30	ug/L			05/29/26 10:31	1
Benzene	ND		1.0	0.30	ug/L			05/29/26 10:31	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			05/29/26 10:31	1
Bromomethane	ND		1.0	0.30	ug/L			05/29/26 10:31	1
Chloromethane	ND		2.0	0.55	ug/L			05/29/26 10:31	1
Chloroethane	ND		1.0	0.30	ug/L			05/29/26 10:31	1
Vinyl chloride	ND		1.0	0.30	ug/L			05/29/26 10:31	1
Methylene Chloride	ND		1.0	0.30	ug/L			05/29/26 10:31	1
Carbon disulfide	ND		5.0	0.30	ug/L			05/29/26 10:31	1
Bromoform	ND		4.0	1.0	ug/L			05/29/26 10:31	1
Bromodichloromethane	ND		1.0	0.20	ug/L			05/29/26 10:31	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			05/29/26 10:31	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			05/29/26 10:31	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			05/29/26 10:31	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			05/29/26 10:31	1
Freon 113	ND		10	0.30	ug/L			05/29/26 10:31	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			05/29/26 10:31	1
2-Butanone	ND		10	1.0	ug/L			05/29/26 10:31	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			05/29/26 10:31	1
Trichloroethene	ND		1.0	0.30	ug/L			05/29/26 10:31	1
Methyl acetate	ND		5.0	0.60	ug/L			05/29/26 10:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/29/26 10:31	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			05/29/26 10:31	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			05/29/26 10:31	1
Isopropylbenzene	ND		5.0	0.30	ug/L			05/29/26 10:31	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-825910/7

Matrix: Water

Analysis Batch: 825910

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		80 - 120		05/29/26 10:31	1
Dibromofluoromethane (Surr)	93		80 - 120		05/29/26 10:31	1
4-Bromofluorobenzene (Surr)	100		80 - 120		05/29/26 10:31	1
Toluene-d8 (Surr)	95		80 - 120		05/29/26 10:31	1

Lab Sample ID: LCS 410-825910/4

Matrix: Water

Analysis Batch: 825910

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	20.0	18.6		ug/L		93	75 - 120
trans-1,3-Dichloropropene	20.0	18.0		ug/L		90	67 - 120
Ethylbenzene	20.0	20.3		ug/L		101	80 - 120
Styrene	20.0	20.2		ug/L		101	80 - 120
1,4-Dichlorobenzene	20.0	21.0		ug/L		105	80 - 120
1,2-Dibromoethane	20.0	21.0		ug/L		105	77 - 120
1,2-Dichloroethane	20.0	21.0		ug/L		105	73 - 124
4-Methyl-2-pentanone	250	276		ug/L		110	62 - 133
Methylcyclohexane	20.0	20.0		ug/L		100	60 - 121
Toluene	20.0	19.8		ug/L		99	80 - 120
Chlorobenzene	20.0	20.8		ug/L		104	80 - 120
Cyclohexane	20.0	20.9		ug/L		104	60 - 126
1,2,4-Trichlorobenzene	20.0	20.0		ug/L		100	63 - 127
Dibromochloromethane	20.0	18.2		ug/L		91	71 - 120
Xylenes, Total	60.0	60.4		ug/L		101	80 - 120
Tetrachloroethene	20.0	20.4		ug/L		102	80 - 120
cis-1,2-Dichloroethene	20.0	18.7		ug/L		93	80 - 125
trans-1,2-Dichloroethene	20.0	19.4		ug/L		97	80 - 126
Methyl tertiary butyl ether	20.0	19.6		ug/L		98	69 - 122
1,3-Dichlorobenzene	20.0	21.1		ug/L		105	80 - 120
Carbon tetrachloride	20.0	20.8		ug/L		104	64 - 134
2-Hexanone	250	274		ug/L		109	56 - 143
Acetone	250	272		ug/L		109	57 - 150
Chloroform	20.0	19.4		ug/L		97	72 - 120
Benzene	20.0	20.5		ug/L		103	80 - 120
1,1,1-Trichloroethane	20.0	20.5		ug/L		103	73 - 120
Bromomethane	20.0	21.0		ug/L		105	61 - 128
Chloromethane	20.0	20.8		ug/L		104	48 - 134
Chloroethane	20.0	21.9		ug/L		110	67 - 123
Vinyl chloride	20.0	20.6		ug/L		103	56 - 120
Methylene Chloride	20.0	20.7		ug/L		104	80 - 120
Carbon disulfide	20.0	19.3		ug/L		97	55 - 139
Bromoform	20.0	17.2		ug/L		86	63 - 128
Bromodichloromethane	20.0	19.4		ug/L		97	71 - 120
1,1-Dichloroethane	20.0	19.9		ug/L		100	80 - 126
1,1-Dichloroethene	20.0	21.6		ug/L		108	80 - 131
Trichlorofluoromethane	20.0	16.3		ug/L		82	57 - 120
Dichlorodifluoromethane	20.0	18.0		ug/L		90	40 - 127

Euofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-825910/4

Matrix: Water

Analysis Batch: 825910

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Freon 113	20.0	22.2		ug/L		111	57 - 122
1,2-Dichloropropane	20.0	20.7		ug/L		103	80 - 120
2-Butanone	250	251		ug/L		100	59 - 135
1,1,2-Trichloroethane	20.0	20.7		ug/L		103	80 - 120
Trichloroethene	20.0	20.2		ug/L		101	80 - 120
Methyl acetate	20.0	23.1		ug/L		115	55 - 157
1,1,2,2-Tetrachloroethane	20.0	20.0		ug/L		100	72 - 127
1,2-Dichlorobenzene	20.0	20.7		ug/L		104	80 - 120
1,2-Dibromo-3-Chloropropane	20.0	18.5		ug/L		93	60 - 120
Isopropylbenzene	20.0	20.3		ug/L		101	80 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		80 - 120
Dibromofluoromethane (Surr)	97		80 - 120
4-Bromofluorobenzene (Surr)	96		80 - 120
Toluene-d8 (Surr)	98		80 - 120

Lab Sample ID: LCSD 410-825910/5

Matrix: Water

Analysis Batch: 825910

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	20.0	18.4		ug/L		92	75 - 120	1	30
trans-1,3-Dichloropropene	20.0	17.6		ug/L		88	67 - 120	3	30
Ethylbenzene	20.0	20.6		ug/L		103	80 - 120	2	30
Styrene	20.0	20.3		ug/L		102	80 - 120	0	30
1,4-Dichlorobenzene	20.0	20.9		ug/L		105	80 - 120	1	30
1,2-Dibromoethane	20.0	20.3		ug/L		102	77 - 120	3	30
1,2-Dichloroethane	20.0	21.6		ug/L		108	73 - 124	3	30
4-Methyl-2-pentanone	250	270		ug/L		108	62 - 133	2	30
Methylcyclohexane	20.0	20.5		ug/L		103	60 - 121	3	30
Toluene	20.0	20.2		ug/L		101	80 - 120	2	30
Chlorobenzene	20.0	21.0		ug/L		105	80 - 120	1	30
Cyclohexane	20.0	21.4		ug/L		107	60 - 126	3	30
1,2,4-Trichlorobenzene	20.0	19.3		ug/L		97	63 - 127	3	30
Dibromochloromethane	20.0	18.3		ug/L		91	71 - 120	0	30
Xylenes, Total	60.0	61.6		ug/L		103	80 - 120	2	30
Tetrachloroethene	20.0	20.4		ug/L		102	80 - 120	0	30
cis-1,2-Dichloroethene	20.0	19.3		ug/L		97	80 - 125	3	30
trans-1,2-Dichloroethene	20.0	20.8		ug/L		104	80 - 126	7	30
Methyl tertiary butyl ether	20.0	19.8		ug/L		99	69 - 122	1	30
1,3-Dichlorobenzene	20.0	20.7		ug/L		104	80 - 120	2	30
Carbon tetrachloride	20.0	20.9		ug/L		104	64 - 134	0	30
2-Hexanone	250	267		ug/L		107	56 - 143	2	30
Acetone	250	267		ug/L		107	57 - 150	2	30
Chloroform	20.0	19.8		ug/L		99	72 - 120	2	30
Benzene	20.0	20.8		ug/L		104	80 - 120	1	30
1,1,1-Trichloroethane	20.0	20.8		ug/L		104	73 - 120	1	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-825910/5

Matrix: Water

Analysis Batch: 825910

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromomethane	20.0	20.9		ug/L		105	61 - 128	0	30
Chloromethane	20.0	20.5		ug/L		103	48 - 134	1	30
Chloroethane	20.0	22.3		ug/L		112	67 - 123	2	30
Vinyl chloride	20.0	20.8		ug/L		104	56 - 120	1	30
Methylene Chloride	20.0	21.3		ug/L		106	80 - 120	3	30
Carbon disulfide	20.0	19.6		ug/L		98	55 - 139	2	30
Bromoform	20.0	16.9		ug/L		85	63 - 128	2	30
Bromodichloromethane	20.0	19.3		ug/L		97	71 - 120	0	30
1,1-Dichloroethane	20.0	21.0		ug/L		105	80 - 126	5	30
1,1-Dichloroethene	20.0	22.2		ug/L		111	80 - 131	3	30
Trichlorofluoromethane	20.0	16.7		ug/L		84	57 - 120	3	30
Dichlorodifluoromethane	20.0	18.2		ug/L		91	40 - 127	1	30
Freon 113	20.0	22.7		ug/L		113	57 - 122	2	30
1,2-Dichloropropane	20.0	20.7		ug/L		104	80 - 120	0	30
2-Butanone	250	244		ug/L		97	59 - 135	3	30
1,1,2-Trichloroethane	20.0	20.5		ug/L		102	80 - 120	1	30
Trichloroethene	20.0	20.4		ug/L		102	80 - 120	1	30
Methyl acetate	20.0	23.9		ug/L		119	55 - 157	3	30
1,1,2,2-Tetrachloroethane	20.0	20.0		ug/L		100	72 - 127	0	30
1,2-Dichlorobenzene	20.0	20.7		ug/L		104	80 - 120	0	30
1,2-Dibromo-3-Chloropropane	20.0	18.3		ug/L		91	60 - 120	1	30
Isopropylbenzene	20.0	20.5		ug/L		103	80 - 132	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		80 - 120
Dibromofluoromethane (Surr)	98		80 - 120
4-Bromofluorobenzene (Surr)	97		80 - 120
Toluene-d8 (Surr)	98		80 - 120

Lab Sample ID: MB 410-831044/10

Matrix: Water

Analysis Batch: 831044

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/08/26 11:48	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/08/26 11:48	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/08/26 11:48	1
Styrene	ND		5.0	0.30	ug/L			06/08/26 11:48	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/08/26 11:48	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/08/26 11:48	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/08/26 11:48	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/08/26 11:48	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/08/26 11:48	1
Toluene	ND		1.0	0.30	ug/L			06/08/26 11:48	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/08/26 11:48	1
Cyclohexane	ND		5.0	1.0	ug/L			06/08/26 11:48	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/08/26 11:48	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/08/26 11:48	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-831044/10

Matrix: Water

Analysis Batch: 831044

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		1.0	0.40	ug/L			06/08/26 11:48	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/08/26 11:48	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/08/26 11:48	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/08/26 11:48	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/08/26 11:48	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/08/26 11:48	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/08/26 11:48	1
2-Hexanone	ND		10	0.85	ug/L			06/08/26 11:48	1
Acetone	ND		20	0.70	ug/L			06/08/26 11:48	1
Chloroform	ND		1.0	0.30	ug/L			06/08/26 11:48	1
Benzene	ND		1.0	0.30	ug/L			06/08/26 11:48	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/08/26 11:48	1
Bromomethane	ND		1.0	0.30	ug/L			06/08/26 11:48	1
Chloromethane	ND		2.0	0.55	ug/L			06/08/26 11:48	1
Chloroethane	ND		1.0	0.30	ug/L			06/08/26 11:48	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/08/26 11:48	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/08/26 11:48	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/08/26 11:48	1
Bromoform	ND		4.0	1.0	ug/L			06/08/26 11:48	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/08/26 11:48	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/08/26 11:48	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/08/26 11:48	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/08/26 11:48	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/08/26 11:48	1
Freon 113	ND		10	0.30	ug/L			06/08/26 11:48	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/08/26 11:48	1
2-Butanone	ND		10	1.0	ug/L			06/08/26 11:48	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/08/26 11:48	1
Trichloroethene	ND		1.0	0.30	ug/L			06/08/26 11:48	1
Methyl acetate	ND		5.0	0.60	ug/L			06/08/26 11:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/08/26 11:48	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/08/26 11:48	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/08/26 11:48	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/08/26 11:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120		06/08/26 11:48	1
Dibromofluoromethane (Surr)	104		80 - 120		06/08/26 11:48	1
4-Bromofluorobenzene (Surr)	112		80 - 120		06/08/26 11:48	1
Toluene-d8 (Surr)	95		80 - 120		06/08/26 11:48	1

Lab Sample ID: LCS 410-831044/7

Matrix: Water

Analysis Batch: 831044

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	20.0	17.5		ug/L		88	75 - 120
trans-1,3-Dichloropropene	20.0	17.0		ug/L		85	67 - 120

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-831044/7

Matrix: Water

Analysis Batch: 831044

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	20.0	18.9		ug/L		95	80 - 120
Styrene	20.0	19.5		ug/L		97	80 - 120
1,4-Dichlorobenzene	20.0	19.0		ug/L		95	80 - 120
1,2-Dibromoethane	20.0	19.2		ug/L		96	77 - 120
1,2-Dichloroethane	20.0	19.1		ug/L		95	73 - 124
4-Methyl-2-pentanone	250	232		ug/L		93	62 - 133
Methylcyclohexane	20.0	18.5		ug/L		93	60 - 121
Toluene	20.0	18.1		ug/L		90	80 - 120
Chlorobenzene	20.0	19.0		ug/L		95	80 - 120
Cyclohexane	20.0	17.5		ug/L		87	60 - 126
1,2,4-Trichlorobenzene	20.0	17.0		ug/L		85	63 - 127
Dibromochloromethane	20.0	19.0		ug/L		95	71 - 120
Xylenes, Total	60.0	58.4		ug/L		97	80 - 120
Tetrachloroethene	20.0	19.1		ug/L		95	80 - 120
cis-1,2-Dichloroethene	20.0	19.8		ug/L		99	80 - 125
trans-1,2-Dichloroethene	20.0	19.5		ug/L		97	80 - 126
Methyl tertiary butyl ether	20.0	17.0		ug/L		85	69 - 122
1,3-Dichlorobenzene	20.0	18.1		ug/L		90	80 - 120
Carbon tetrachloride	20.0	21.4		ug/L		107	64 - 134
2-Hexanone	250	228		ug/L		91	56 - 143
Acetone	250	218		ug/L		87	57 - 150
Chloroform	20.0	18.7		ug/L		94	72 - 120
Benzene	20.0	18.5		ug/L		93	80 - 120
1,1,1-Trichloroethane	20.0	19.8		ug/L		99	73 - 120
Bromomethane	20.0	18.3		ug/L		92	61 - 128
Chloromethane	20.0	16.4		ug/L		82	48 - 134
Chloroethane	20.0	15.8		ug/L		79	67 - 123
Vinyl chloride	20.0	17.3		ug/L		87	56 - 120
Methylene Chloride	20.0	18.1		ug/L		91	80 - 120
Carbon disulfide	20.0	18.5		ug/L		93	55 - 139
Bromoform	20.0	20.7		ug/L		103	63 - 128
Bromodichloromethane	20.0	18.5		ug/L		92	71 - 120
1,1-Dichloroethane	20.0	18.7		ug/L		94	80 - 126
1,1-Dichloroethene	20.0	18.9		ug/L		94	80 - 131
Trichlorofluoromethane	20.0	14.3		ug/L		71	57 - 120
Dichlorodifluoromethane	20.0	16.2		ug/L		81	40 - 127
Freon 113	20.0	19.7		ug/L		99	57 - 122
1,2-Dichloropropane	20.0	18.1		ug/L		90	80 - 120
2-Butanone	250	202		ug/L		81	59 - 135
1,1,2-Trichloroethane	20.0	18.1		ug/L		90	80 - 120
Trichloroethene	20.0	19.0		ug/L		95	80 - 120
Methyl acetate	20.0	18.4		ug/L		92	55 - 157
1,1,2,2-Tetrachloroethane	20.0	15.7		ug/L		78	72 - 127
1,2-Dichlorobenzene	20.0	18.1		ug/L		90	80 - 120
1,2-Dibromo-3-Chloropropane	20.0	16.4		ug/L		82	60 - 120
Isopropylbenzene	20.0	19.9		ug/L		99	80 - 132

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-831044/7

Matrix: Water

Analysis Batch: 831044

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	102		80 - 120
4-Bromofluorobenzene (Surr)	106		80 - 120
Toluene-d8 (Surr)	93		80 - 120

Lab Sample ID: LCSD 410-831044/8

Matrix: Water

Analysis Batch: 831044

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	20.0	17.4		ug/L		87	75 - 120	1	30
trans-1,3-Dichloropropene	20.0	17.0		ug/L		85	67 - 120	0	30
Ethylbenzene	20.0	19.5		ug/L		97	80 - 120	3	30
Styrene	20.0	19.9		ug/L		100	80 - 120	2	30
1,4-Dichlorobenzene	20.0	18.9		ug/L		94	80 - 120	1	30
1,2-Dibromoethane	20.0	19.7		ug/L		98	77 - 120	3	30
1,2-Dichloroethane	20.0	19.6		ug/L		98	73 - 124	3	30
4-Methyl-2-pentanone	250	230		ug/L		92	62 - 133	1	30
Methylcyclohexane	20.0	18.7		ug/L		94	60 - 121	1	30
Toluene	20.0	18.7		ug/L		94	80 - 120	3	30
Chlorobenzene	20.0	19.5		ug/L		97	80 - 120	2	30
Cyclohexane	20.0	17.7		ug/L		89	60 - 126	1	30
1,2,4-Trichlorobenzene	20.0	16.6		ug/L		83	63 - 127	2	30
Dibromochloromethane	20.0	19.9		ug/L		100	71 - 120	5	30
Xylenes, Total	60.0	60.0		ug/L		100	80 - 120	3	30
Tetrachloroethene	20.0	19.4		ug/L		97	80 - 120	2	30
cis-1,2-Dichloroethene	20.0	21.2		ug/L		106	80 - 125	7	30
trans-1,2-Dichloroethene	20.0	20.8		ug/L		104	80 - 126	6	30
Methyl tertiary butyl ether	20.0	17.6		ug/L		88	69 - 122	3	30
1,3-Dichlorobenzene	20.0	18.2		ug/L		91	80 - 120	1	30
Carbon tetrachloride	20.0	21.9		ug/L		110	64 - 134	2	30
2-Hexanone	250	227		ug/L		91	56 - 143	1	30
Acetone	250	231		ug/L		92	57 - 150	6	30
Chloroform	20.0	19.7		ug/L		98	72 - 120	5	30
Benzene	20.0	19.2		ug/L		96	80 - 120	3	30
1,1,1-Trichloroethane	20.0	20.3		ug/L		102	73 - 120	2	30
Bromomethane	20.0	18.4		ug/L		92	61 - 128	1	30
Chloromethane	20.0	16.3		ug/L		82	48 - 134	0	30
Chloroethane	20.0	16.7		ug/L		84	67 - 123	6	30
Vinyl chloride	20.0	17.5		ug/L		87	56 - 120	1	30
Methylene Chloride	20.0	18.8		ug/L		94	80 - 120	3	30
Carbon disulfide	20.0	18.9		ug/L		94	55 - 139	2	30
Bromoform	20.0	21.8		ug/L		109	63 - 128	5	30
Bromodichloromethane	20.0	19.2		ug/L		96	71 - 120	4	30
1,1-Dichloroethane	20.0	19.8		ug/L		99	80 - 126	5	30
1,1-Dichloroethene	20.0	19.6		ug/L		98	80 - 131	4	30
Trichlorofluoromethane	20.0	14.3		ug/L		72	57 - 120	1	30
Dichlorodifluoromethane	20.0	16.1		ug/L		81	40 - 127	0	30

Eurolins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-831044/8

Matrix: Water

Analysis Batch: 831044

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Freon 113	20.0	20.3		ug/L		102	57 - 122	3	30
1,2-Dichloropropane	20.0	18.5		ug/L		93	80 - 120	2	30
2-Butanone	250	200		ug/L		80	59 - 135	1	30
1,1,2-Trichloroethane	20.0	18.1		ug/L		91	80 - 120	0	30
Trichloroethene	20.0	19.2		ug/L		96	80 - 120	1	30
Methyl acetate	20.0	19.6		ug/L		98	55 - 157	6	30
1,1,2,2-Tetrachloroethane	20.0	15.6		ug/L		78	72 - 127	1	30
1,2-Dichlorobenzene	20.0	18.1		ug/L		91	80 - 120	0	30
1,2-Dibromo-3-Chloropropane	20.0	15.6		ug/L		78	60 - 120	5	30
Isopropylbenzene	20.0	20.5		ug/L		102	80 - 132	3	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	106		80 - 120
4-Bromofluorobenzene (Surr)	109		80 - 120
Toluene-d8 (Surr)	94		80 - 120

Lab Sample ID: MB 410-831496/6

Matrix: Water

Analysis Batch: 831496

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/08/26 22:11	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/08/26 22:11	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/08/26 22:11	1
Styrene	ND		5.0	0.30	ug/L			06/08/26 22:11	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/08/26 22:11	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/08/26 22:11	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/08/26 22:11	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/08/26 22:11	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/08/26 22:11	1
Toluene	ND		1.0	0.30	ug/L			06/08/26 22:11	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/08/26 22:11	1
Cyclohexane	ND		5.0	1.0	ug/L			06/08/26 22:11	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/08/26 22:11	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/08/26 22:11	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/08/26 22:11	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/08/26 22:11	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/08/26 22:11	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/08/26 22:11	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/08/26 22:11	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/08/26 22:11	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/08/26 22:11	1
2-Hexanone	ND		10	0.85	ug/L			06/08/26 22:11	1
Acetone	ND		20	0.70	ug/L			06/08/26 22:11	1
Chloroform	ND		1.0	0.30	ug/L			06/08/26 22:11	1
Benzene	ND		1.0	0.30	ug/L			06/08/26 22:11	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/08/26 22:11	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-831496/6

Matrix: Water

Analysis Batch: 831496

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		1.0	0.30	ug/L			06/08/26 22:11	1
Chloromethane	ND		2.0	0.55	ug/L			06/08/26 22:11	1
Chloroethane	ND		1.0	0.30	ug/L			06/08/26 22:11	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/08/26 22:11	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/08/26 22:11	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/08/26 22:11	1
Bromoform	ND		4.0	1.0	ug/L			06/08/26 22:11	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/08/26 22:11	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/08/26 22:11	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/08/26 22:11	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/08/26 22:11	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/08/26 22:11	1
Freon 113	ND		10	0.30	ug/L			06/08/26 22:11	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/08/26 22:11	1
2-Butanone	ND		10	1.0	ug/L			06/08/26 22:11	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/08/26 22:11	1
Trichloroethene	ND		1.0	0.30	ug/L			06/08/26 22:11	1
Methyl acetate	ND		5.0	0.60	ug/L			06/08/26 22:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/08/26 22:11	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/08/26 22:11	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/08/26 22:11	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/08/26 22:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		06/08/26 22:11	1
Dibromofluoromethane (Surr)	103		80 - 120		06/08/26 22:11	1
4-Bromofluorobenzene (Surr)	108		80 - 120		06/08/26 22:11	1
Toluene-d8 (Surr)	92		80 - 120		06/08/26 22:11	1

Lab Sample ID: LCS 410-831496/5

Matrix: Water

Analysis Batch: 831496

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	20.0	17.8		ug/L		89	75 - 120
trans-1,3-Dichloropropene	20.0	16.8		ug/L		84	67 - 120
Ethylbenzene	20.0	18.4		ug/L		92	80 - 120
Styrene	20.0	19.0		ug/L		95	80 - 120
1,4-Dichlorobenzene	20.0	18.4		ug/L		92	80 - 120
1,2-Dibromoethane	20.0	19.7		ug/L		98	77 - 120
1,2-Dichloroethane	20.0	18.8		ug/L		94	73 - 124
4-Methyl-2-pentanone	250	233		ug/L		93	62 - 133
Methylcyclohexane	20.0	18.3		ug/L		91	60 - 121
Toluene	20.0	17.6		ug/L		88	80 - 120
Chlorobenzene	20.0	18.9		ug/L		95	80 - 120
Cyclohexane	20.0	17.5		ug/L		88	60 - 126
1,2,4-Trichlorobenzene	20.0	16.4		ug/L		82	63 - 127
Dibromochloromethane	20.0	19.0		ug/L		95	71 - 120

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-831496/5

Matrix: Water

Analysis Batch: 831496

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Xylenes, Total	60.0	56.9		ug/L		95	80 - 120
Tetrachloroethene	20.0	18.9		ug/L		95	80 - 120
cis-1,2-Dichloroethene	20.0	18.8		ug/L		94	80 - 125
trans-1,2-Dichloroethene	20.0	19.1		ug/L		95	80 - 126
Methyl tertiary butyl ether	20.0	17.1		ug/L		86	69 - 122
1,3-Dichlorobenzene	20.0	17.8		ug/L		89	80 - 120
Carbon tetrachloride	20.0	21.4		ug/L		107	64 - 134
2-Hexanone	250	227		ug/L		91	56 - 143
Acetone	250	197		ug/L		79	57 - 150
Chloroform	20.0	18.1		ug/L		91	72 - 120
Benzene	20.0	18.9		ug/L		94	80 - 120
1,1,1-Trichloroethane	20.0	19.7		ug/L		99	73 - 120
Bromomethane	20.0	18.6		ug/L		93	61 - 128
Chloromethane	20.0	15.9		ug/L		79	48 - 134
Chloroethane	20.0	15.9		ug/L		79	67 - 123
Vinyl chloride	20.0	17.7		ug/L		89	56 - 120
Methylene Chloride	20.0	17.6		ug/L		88	80 - 120
Carbon disulfide	20.0	18.4		ug/L		92	55 - 139
Bromoform	20.0	20.7		ug/L		103	63 - 128
Bromodichloromethane	20.0	18.3		ug/L		92	71 - 120
1,1-Dichloroethane	20.0	18.3		ug/L		92	80 - 126
1,1-Dichloroethene	20.0	18.3		ug/L		92	80 - 131
Trichlorofluoromethane	20.0	14.6		ug/L		73	57 - 120
Dichlorodifluoromethane	20.0	15.9		ug/L		80	40 - 127
Freon 113	20.0	20.1		ug/L		100	57 - 122
1,2-Dichloropropane	20.0	18.1		ug/L		90	80 - 120
2-Butanone	250	203		ug/L		81	59 - 135
1,1,2-Trichloroethane	20.0	17.7		ug/L		89	80 - 120
Trichloroethene	20.0	18.6		ug/L		93	80 - 120
Methyl acetate	20.0	17.6		ug/L		88	55 - 157
1,1,1,2-Tetrachloroethane	20.0	15.6		ug/L		78	72 - 127
1,2-Dichlorobenzene	20.0	17.7		ug/L		89	80 - 120
1,2-Dibromo-3-Chloropropane	20.0	16.0		ug/L		80	60 - 120
Isopropylbenzene	20.0	19.2		ug/L		96	80 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	101		80 - 120
4-Bromofluorobenzene (Surr)	106		80 - 120
Toluene-d8 (Surr)	93		80 - 120

Lab Sample ID: 410-285561-25 MS

Matrix: Water

Analysis Batch: 831496

Client Sample ID: MW-84B

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	ND		20.0	17.6		ug/L		88	75 - 120
trans-1,3-Dichloropropene	ND		20.0	16.7		ug/L		83	67 - 120

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 410-285561-25 MS

Matrix: Water

Analysis Batch: 831496

Client Sample ID: MW-84B

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	ND		20.0	19.1		ug/L		96	80 - 120
Styrene	ND		20.0	19.1		ug/L		96	80 - 120
1,4-Dichlorobenzene	ND		20.0	18.9		ug/L		95	80 - 120
1,2-Dibromoethane	ND		20.0	19.6		ug/L		98	77 - 120
1,2-Dichloroethane	ND		20.0	19.7		ug/L		99	73 - 124
4-Methyl-2-pentanone	ND		250	232		ug/L		93	62 - 133
Methylcyclohexane	ND		20.0	20.4		ug/L		102	60 - 121
Toluene	ND		20.0	18.4		ug/L		92	80 - 120
Chlorobenzene	ND		20.0	19.3		ug/L		96	80 - 120
Cyclohexane	ND		20.0	19.0		ug/L		95	60 - 126
1,2,4-Trichlorobenzene	ND		20.0	16.7		ug/L		83	63 - 127
Dibromochloromethane	ND		20.0	18.8		ug/L		94	71 - 120
Xylenes, Total	ND		60.0	58.6		ug/L		98	80 - 120
Tetrachloroethene	ND		20.0	19.7		ug/L		99	80 - 120
cis-1,2-Dichloroethene	18	F2 FH FL	20.0	29.5	FL	ug/L		59	80 - 125
trans-1,2-Dichloroethene	7.8		20.0	24.7		ug/L		85	80 - 126
Methyl tertiary butyl ether	ND		20.0	17.3		ug/L		86	69 - 122
1,3-Dichlorobenzene	ND		20.0	18.2		ug/L		91	80 - 120
Carbon tetrachloride	ND		20.0	22.7		ug/L		114	64 - 134
2-Hexanone	ND		250	227		ug/L		91	56 - 143
Acetone	ND		250	214		ug/L		86	57 - 150
Chloroform	ND		20.0	19.1		ug/L		96	72 - 120
Benzene	0.32	J	20.0	19.6		ug/L		96	80 - 120
1,1,1-Trichloroethane	ND		20.0	21.1		ug/L		106	73 - 120
Bromomethane	ND		20.0	19.7		ug/L		98	61 - 128
Chloromethane	ND		20.0	18.4		ug/L		92	48 - 134
Chloroethane	ND		20.0	17.3		ug/L		86	67 - 123
Vinyl chloride	6.6		20.0	23.2		ug/L		83	56 - 120
Methylene Chloride	ND		20.0	17.9		ug/L		90	80 - 120
Carbon disulfide	ND		20.0	18.7		ug/L		93	55 - 139
Bromoform	ND		20.0	19.9		ug/L		100	63 - 128
Bromodichloromethane	ND		20.0	19.2		ug/L		96	71 - 120
1,1-Dichloroethane	0.59	J	20.0	19.9		ug/L		97	80 - 126
1,1-Dichloroethene	0.33	J	20.0	19.7		ug/L		97	80 - 131
Trichlorofluoromethane	ND		20.0	16.2		ug/L		81	57 - 120
Dichlorodifluoromethane	ND		20.0	17.8		ug/L		89	40 - 127
Freon 113	ND		20.0	20.8		ug/L		104	57 - 122
1,2-Dichloropropane	ND		20.0	18.2		ug/L		91	80 - 120
2-Butanone	ND		250	196		ug/L		78	59 - 135
1,1,2-Trichloroethane	ND		20.0	18.0		ug/L		90	80 - 120
Trichloroethene	ND		20.0	19.6		ug/L		98	80 - 120
Methyl acetate	ND		20.0	17.5		ug/L		87	55 - 157
1,1,2,2-Tetrachloroethane	ND		20.0	15.4		ug/L		77	72 - 127
1,2-Dichlorobenzene	ND		20.0	18.1		ug/L		90	80 - 120
1,2-Dibromo-3-Chloropropane	ND		20.0	15.3		ug/L		76	60 - 120
Isopropylbenzene	ND		20.0	20.3		ug/L		102	80 - 132

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 410-285561-25 MS

Matrix: Water

Analysis Batch: 831496

Client Sample ID: MW-84B

Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		80 - 120
Dibromofluoromethane (Surr)	102		80 - 120
4-Bromofluorobenzene (Surr)	106		80 - 120
Toluene-d8 (Surr)	93		80 - 120

Lab Sample ID: 410-285561-25 MSD

Matrix: Water

Analysis Batch: 831496

Client Sample ID: MW-84B

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	ND		20.0	17.8		ug/L		89	75 - 120	1	30
trans-1,3-Dichloropropene	ND		20.0	16.9		ug/L		84	67 - 120	1	30
Ethylbenzene	ND		20.0	19.6		ug/L		98	80 - 120	2	30
Styrene	ND		20.0	19.5		ug/L		97	80 - 120	2	30
1,4-Dichlorobenzene	ND		20.0	19.0		ug/L		95	80 - 120	1	30
1,2-Dibromoethane	ND		20.0	20.0		ug/L		100	77 - 120	2	30
1,2-Dichloroethane	ND		20.0	19.6		ug/L		98	73 - 124	1	30
4-Methyl-2-pentanone	ND		250	234		ug/L		94	62 - 133	1	30
Methylcyclohexane	ND		20.0	20.0		ug/L		100	60 - 121	2	30
Toluene	ND		20.0	19.0		ug/L		95	80 - 120	3	30
Chlorobenzene	ND		20.0	19.8		ug/L		99	80 - 120	3	30
Cyclohexane	ND		20.0	19.1		ug/L		95	60 - 126	0	30
1,2,4-Trichlorobenzene	ND		20.0	16.8		ug/L		84	63 - 127	1	30
Dibromochloromethane	ND		20.0	19.2		ug/L		96	71 - 120	2	30
Xylenes, Total	ND		60.0	59.7		ug/L		100	80 - 120	2	30
Tetrachloroethene	ND		20.0	20.3		ug/L		101	80 - 120	3	30
cis-1,2-Dichloroethene	18	F2 FH FL	20.0	46.3	FH F2	ug/L		143	80 - 125	44	30
trans-1,2-Dichloroethene	7.8		20.0	31.5		ug/L		119	80 - 126	24	30
Methyl tertiary butyl ether	ND		20.0	17.2		ug/L		86	69 - 122	0	30
1,3-Dichlorobenzene	ND		20.0	18.4		ug/L		92	80 - 120	1	30
Carbon tetrachloride	ND		20.0	22.8		ug/L		114	64 - 134	0	30
2-Hexanone	ND		250	230		ug/L		92	56 - 143	1	30
Acetone	ND		250	219		ug/L		87	57 - 150	2	30
Chloroform	ND		20.0	19.5		ug/L		97	72 - 120	2	30
Benzene	0.32	J	20.0	19.9		ug/L		98	80 - 120	2	30
1,1,1-Trichloroethane	ND		20.0	21.4		ug/L		107	73 - 120	2	30
Bromomethane	ND		20.0	20.0		ug/L		100	61 - 128	1	30
Chloromethane	ND		20.0	18.8		ug/L		94	48 - 134	2	30
Chloroethane	ND		20.0	17.2		ug/L		86	67 - 123	1	30
Vinyl chloride	6.6		20.0	28.6		ug/L		110	56 - 120	21	30
Methylene Chloride	ND		20.0	18.1		ug/L		90	80 - 120	1	30
Carbon disulfide	ND		20.0	19.4		ug/L		97	55 - 139	4	30
Bromoform	ND		20.0	20.1		ug/L		100	63 - 128	1	30
Bromodichloromethane	ND		20.0	19.3		ug/L		96	71 - 120	0	30
1,1-Dichloroethane	0.59	J	20.0	20.3		ug/L		99	80 - 126	2	30
1,1-Dichloroethene	0.33	J	20.0	19.7		ug/L		97	80 - 131	0	30
Trichlorofluoromethane	ND		20.0	16.0		ug/L		80	57 - 120	1	30
Dichlorodifluoromethane	ND		20.0	18.3		ug/L		91	40 - 127	3	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 410-285561-25 MSD

Matrix: Water

Analysis Batch: 831496

Client Sample ID: MW-84B

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Freon 113	ND		20.0	20.9		ug/L		105	57 - 122	0	30
1,2-Dichloropropane	ND		20.0	19.0		ug/L		95	80 - 120	4	30
2-Butanone	ND		250	197		ug/L		79	59 - 135	0	30
1,1,2-Trichloroethane	ND		20.0	18.2		ug/L		91	80 - 120	1	30
Trichloroethene	ND		20.0	20.1		ug/L		101	80 - 120	3	30
Methyl acetate	ND		20.0	16.4		ug/L		82	55 - 157	6	30
1,1,2,2-Tetrachloroethane	ND		20.0	15.5		ug/L		77	72 - 127	0	30
1,2-Dichlorobenzene	ND		20.0	18.1		ug/L		90	80 - 120	0	30
1,2-Dibromo-3-Chloropropane	ND		20.0	15.6		ug/L		78	60 - 120	2	30
Isopropylbenzene	ND		20.0	20.4		ug/L		102	80 - 132	1	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	103		80 - 120
4-Bromofluorobenzene (Surr)	106		80 - 120
Toluene-d8 (Surr)	93		80 - 120

Lab Sample ID: MB 410-831502/7

Matrix: Water

Analysis Batch: 831502

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/08/26 23:37	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/08/26 23:37	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/08/26 23:37	1
Styrene	ND		5.0	0.30	ug/L			06/08/26 23:37	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/08/26 23:37	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/08/26 23:37	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/08/26 23:37	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/08/26 23:37	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/08/26 23:37	1
Toluene	ND		1.0	0.30	ug/L			06/08/26 23:37	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/08/26 23:37	1
Cyclohexane	ND		5.0	1.0	ug/L			06/08/26 23:37	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/08/26 23:37	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/08/26 23:37	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/08/26 23:37	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/08/26 23:37	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/08/26 23:37	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/08/26 23:37	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/08/26 23:37	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/08/26 23:37	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/08/26 23:37	1
2-Hexanone	ND		10	0.85	ug/L			06/08/26 23:37	1
Acetone	ND		20	0.70	ug/L			06/08/26 23:37	1
Chloroform	ND		1.0	0.30	ug/L			06/08/26 23:37	1
Benzene	ND		1.0	0.30	ug/L			06/08/26 23:37	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/08/26 23:37	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-831502/7

Matrix: Water

Analysis Batch: 831502

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		1.0	0.30	ug/L			06/08/26 23:37	1
Chloromethane	ND		2.0	0.55	ug/L			06/08/26 23:37	1
Chloroethane	ND		1.0	0.30	ug/L			06/08/26 23:37	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/08/26 23:37	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/08/26 23:37	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/08/26 23:37	1
Bromoform	ND		4.0	1.0	ug/L			06/08/26 23:37	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/08/26 23:37	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/08/26 23:37	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/08/26 23:37	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/08/26 23:37	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/08/26 23:37	1
Freon 113	ND		10	0.30	ug/L			06/08/26 23:37	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/08/26 23:37	1
2-Butanone	ND		10	1.0	ug/L			06/08/26 23:37	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/08/26 23:37	1
Trichloroethene	ND		1.0	0.30	ug/L			06/08/26 23:37	1
Methyl acetate	ND		5.0	0.60	ug/L			06/08/26 23:37	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/08/26 23:37	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/08/26 23:37	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/08/26 23:37	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/08/26 23:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		80 - 120		06/08/26 23:37	1
Dibromofluoromethane (Surr)	108		80 - 120		06/08/26 23:37	1
4-Bromofluorobenzene (Surr)	102		80 - 120		06/08/26 23:37	1
Toluene-d8 (Surr)	98		80 - 120		06/08/26 23:37	1

Lab Sample ID: LCS 410-831502/5

Matrix: Water

Analysis Batch: 831502

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	20.0	20.4		ug/L		102	75 - 120
trans-1,3-Dichloropropene	20.0	21.6		ug/L		108	67 - 120
Ethylbenzene	20.0	19.9		ug/L		100	80 - 120
Styrene	20.0	20.0		ug/L		100	80 - 120
1,4-Dichlorobenzene	20.0	20.1		ug/L		101	80 - 120
1,2-Dibromoethane	20.0	20.8		ug/L		104	77 - 120
1,2-Dichloroethane	20.0	21.2		ug/L		106	73 - 124
4-Methyl-2-pentanone	250	271		ug/L		109	62 - 133
Methylcyclohexane	20.0	20.4		ug/L		102	60 - 121
Toluene	20.0	20.0		ug/L		100	80 - 120
Chlorobenzene	20.0	20.5		ug/L		103	80 - 120
Cyclohexane	20.0	21.1		ug/L		105	60 - 126
1,2,4-Trichlorobenzene	20.0	19.2		ug/L		96	63 - 127
Dibromochloromethane	20.0	22.3		ug/L		112	71 - 120

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-831502/5

Matrix: Water

Analysis Batch: 831502

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Xylenes, Total	60.0	60.2		ug/L		100	80 - 120
Tetrachloroethene	20.0	21.6		ug/L		108	80 - 120
cis-1,2-Dichloroethene	20.0	21.1		ug/L		105	80 - 125
trans-1,2-Dichloroethene	20.0	22.3		ug/L		112	80 - 126
Methyl tertiary butyl ether	20.0	18.3		ug/L		91	69 - 122
1,3-Dichlorobenzene	20.0	20.0		ug/L		100	80 - 120
Carbon tetrachloride	20.0	24.2		ug/L		121	64 - 134
2-Hexanone	250	275		ug/L		110	56 - 143
Acetone	250	262		ug/L		105	57 - 150
Chloroform	20.0	21.1		ug/L		105	72 - 120
Benzene	20.0	21.1		ug/L		106	80 - 120
1,1,1-Trichloroethane	20.0	22.4		ug/L		112	73 - 120
Bromomethane	20.0	19.1		ug/L		95	61 - 128
Chloromethane	20.0	17.0		ug/L		85	48 - 134
Chloroethane	20.0	19.9		ug/L		99	67 - 123
Vinyl chloride	20.0	18.2		ug/L		91	56 - 120
Methylene Chloride	20.0	22.4		ug/L		112	80 - 120
Carbon disulfide	20.0	23.6		ug/L		118	55 - 139
Bromoform	20.0	23.3		ug/L		117	63 - 128
Bromodichloromethane	20.0	22.4		ug/L		112	71 - 120
1,1-Dichloroethane	20.0	22.1		ug/L		111	80 - 126
1,1-Dichloroethene	20.0	24.1		ug/L		121	80 - 131
Trichlorofluoromethane	20.0	18.5		ug/L		93	57 - 120
Dichlorodifluoromethane	20.0	18.4		ug/L		92	40 - 127
Freon 113	20.0	23.2		ug/L		116	57 - 122
1,2-Dichloropropane	20.0	21.0		ug/L		105	80 - 120
2-Butanone	250	262		ug/L		105	59 - 135
1,1,2-Trichloroethane	20.0	20.6		ug/L		103	80 - 120
Trichloroethene	20.0	21.2		ug/L		106	80 - 120
Methyl acetate	20.0	25.4		ug/L		127	55 - 157
1,1,2,2-Tetrachloroethane	20.0	19.3		ug/L		96	72 - 127
1,2-Dichlorobenzene	20.0	19.7		ug/L		98	80 - 120
1,2-Dibromo-3-Chloropropane	20.0	18.7		ug/L		93	60 - 120
Isopropylbenzene	20.0	20.1		ug/L		101	80 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		80 - 120
Dibromofluoromethane (Surr)	104		80 - 120
4-Bromofluorobenzene (Surr)	99		80 - 120
Toluene-d8 (Surr)	98		80 - 120

Lab Sample ID: LCSD 410-831502/6

Matrix: Water

Analysis Batch: 831502

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	20.0	19.7		ug/L		99	75 - 120	3	30
trans-1,3-Dichloropropene	20.0	21.2		ug/L		106	67 - 120	1	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-831502/6

Matrix: Water

Analysis Batch: 831502

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylbenzene	20.0	19.2		ug/L		96	80 - 120	4	30
Styrene	20.0	18.9		ug/L		94	80 - 120	6	30
1,4-Dichlorobenzene	20.0	18.9		ug/L		95	80 - 120	6	30
1,2-Dibromoethane	20.0	20.3		ug/L		102	77 - 120	2	30
1,2-Dichloroethane	20.0	20.6		ug/L		103	73 - 124	3	30
4-Methyl-2-pentanone	250	274		ug/L		110	62 - 133	1	30
Methylcyclohexane	20.0	20.0		ug/L		100	60 - 121	2	30
Toluene	20.0	19.1		ug/L		96	80 - 120	5	30
Chlorobenzene	20.0	19.7		ug/L		99	80 - 120	4	30
Cyclohexane	20.0	20.5		ug/L		103	60 - 126	3	30
1,2,4-Trichlorobenzene	20.0	18.8		ug/L		94	63 - 127	2	30
Dibromochloromethane	20.0	21.9		ug/L		109	71 - 120	2	30
Xylenes, Total	60.0	57.7		ug/L		96	80 - 120	4	30
Tetrachloroethene	20.0	20.3		ug/L		101	80 - 120	6	30
cis-1,2-Dichloroethene	20.0	20.4		ug/L		102	80 - 125	3	30
trans-1,2-Dichloroethene	20.0	21.6		ug/L		108	80 - 126	3	30
Methyl tertiary butyl ether	20.0	18.6		ug/L		93	69 - 122	2	30
1,3-Dichlorobenzene	20.0	19.4		ug/L		97	80 - 120	3	30
Carbon tetrachloride	20.0	23.3		ug/L		116	64 - 134	4	30
2-Hexanone	250	284		ug/L		113	56 - 143	3	30
Acetone	250	252		ug/L		101	57 - 150	4	30
Chloroform	20.0	20.1		ug/L		101	72 - 120	5	30
Benzene	20.0	20.3		ug/L		101	80 - 120	4	30
1,1,1-Trichloroethane	20.0	21.8		ug/L		109	73 - 120	3	30
Bromomethane	20.0	18.8		ug/L		94	61 - 128	2	30
Chloromethane	20.0	16.5		ug/L		82	48 - 134	3	30
Chloroethane	20.0	19.2		ug/L		96	67 - 123	3	30
Vinyl chloride	20.0	17.4		ug/L		87	56 - 120	5	30
Methylene Chloride	20.0	22.0		ug/L		110	80 - 120	2	30
Carbon disulfide	20.0	22.8		ug/L		114	55 - 139	4	30
Bromoform	20.0	23.2		ug/L		116	63 - 128	1	30
Bromodichloromethane	20.0	21.4		ug/L		107	71 - 120	4	30
1,1-Dichloroethane	20.0	21.2		ug/L		106	80 - 126	4	30
1,1-Dichloroethene	20.0	23.3		ug/L		116	80 - 131	3	30
Trichlorofluoromethane	20.0	17.3		ug/L		86	57 - 120	7	30
Dichlorodifluoromethane	20.0	17.7		ug/L		89	40 - 127	4	30
Freon 113	20.0	22.5		ug/L		113	57 - 122	3	30
1,2-Dichloropropane	20.0	20.0		ug/L		100	80 - 120	5	30
2-Butanone	250	257		ug/L		103	59 - 135	2	30
1,1,2-Trichloroethane	20.0	20.5		ug/L		103	80 - 120	0	30
Trichloroethene	20.0	19.8		ug/L		99	80 - 120	7	30
Methyl acetate	20.0	24.0		ug/L		120	55 - 157	6	30
1,1,2,2-Tetrachloroethane	20.0	18.7		ug/L		94	72 - 127	3	30
1,2-Dichlorobenzene	20.0	19.0		ug/L		95	80 - 120	3	30
1,2-Dibromo-3-Chloropropane	20.0	18.7		ug/L		93	60 - 120	0	30
Isopropylbenzene	20.0	19.4		ug/L		97	80 - 132	4	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-831502/6

Matrix: Water

Analysis Batch: 831502

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	104		80 - 120
4-Bromofluorobenzene (Surr)	101		80 - 120
Toluene-d8 (Surr)	97		80 - 120

Lab Sample ID: MB 410-832697/7

Matrix: Water

Analysis Batch: 832697

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/10/26 12:04	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/10/26 12:04	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/10/26 12:04	1
Styrene	ND		5.0	0.30	ug/L			06/10/26 12:04	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/10/26 12:04	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/10/26 12:04	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/10/26 12:04	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/10/26 12:04	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/10/26 12:04	1
Toluene	ND		1.0	0.30	ug/L			06/10/26 12:04	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/10/26 12:04	1
Cyclohexane	ND		5.0	1.0	ug/L			06/10/26 12:04	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/10/26 12:04	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/10/26 12:04	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/10/26 12:04	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/10/26 12:04	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/10/26 12:04	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/10/26 12:04	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/10/26 12:04	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/10/26 12:04	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/10/26 12:04	1
2-Hexanone	ND		10	0.85	ug/L			06/10/26 12:04	1
Acetone	ND		20	0.70	ug/L			06/10/26 12:04	1
Chloroform	ND		1.0	0.30	ug/L			06/10/26 12:04	1
Benzene	ND		1.0	0.30	ug/L			06/10/26 12:04	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/10/26 12:04	1
Bromomethane	ND		1.0	0.30	ug/L			06/10/26 12:04	1
Chloromethane	ND		2.0	0.55	ug/L			06/10/26 12:04	1
Chloroethane	ND		1.0	0.30	ug/L			06/10/26 12:04	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/10/26 12:04	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/10/26 12:04	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/10/26 12:04	1
Bromoform	ND		4.0	1.0	ug/L			06/10/26 12:04	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/10/26 12:04	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/10/26 12:04	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/10/26 12:04	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/10/26 12:04	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/10/26 12:04	1

Eurolins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-832697/7

Matrix: Water

Analysis Batch: 832697

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		10	0.30	ug/L			06/10/26 12:04	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/10/26 12:04	1
2-Butanone	ND		10	1.0	ug/L			06/10/26 12:04	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/10/26 12:04	1
Trichloroethene	ND		1.0	0.30	ug/L			06/10/26 12:04	1
Methyl acetate	ND		5.0	0.60	ug/L			06/10/26 12:04	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/10/26 12:04	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/10/26 12:04	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/10/26 12:04	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/10/26 12:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		06/10/26 12:04	1
Dibromofluoromethane (Surr)	93		80 - 120		06/10/26 12:04	1
4-Bromofluorobenzene (Surr)	98		80 - 120		06/10/26 12:04	1
Toluene-d8 (Surr)	97		80 - 120		06/10/26 12:04	1

Lab Sample ID: LCS 410-832697/4

Matrix: Water

Analysis Batch: 832697

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	20.0	19.0		ug/L		95	75 - 120
trans-1,3-Dichloropropene	20.0	18.8		ug/L		94	67 - 120
Ethylbenzene	20.0	19.4		ug/L		97	80 - 120
Styrene	20.0	18.8		ug/L		94	80 - 120
1,4-Dichlorobenzene	20.0	19.9		ug/L		99	80 - 120
1,2-Dibromoethane	20.0	19.9		ug/L		99	77 - 120
1,2-Dichloroethane	20.0	19.8		ug/L		99	73 - 124
4-Methyl-2-pentanone	250	269		ug/L		108	62 - 133
Methylcyclohexane	20.0	18.9		ug/L		95	60 - 121
Toluene	20.0	19.2		ug/L		96	80 - 120
Chlorobenzene	20.0	20.3		ug/L		101	80 - 120
Cyclohexane	20.0	20.3		ug/L		102	60 - 126
1,2,4-Trichlorobenzene	20.0	19.2		ug/L		96	63 - 127
Dibromochloromethane	20.0	18.5		ug/L		93	71 - 120
Xylenes, Total	60.0	57.2		ug/L		95	80 - 120
Tetrachloroethene	20.0	19.1		ug/L		96	80 - 120
cis-1,2-Dichloroethene	20.0	17.7		ug/L		88	80 - 125
trans-1,2-Dichloroethene	20.0	19.8		ug/L		99	80 - 126
Methyl tertiary butyl ether	20.0	19.8		ug/L		99	69 - 122
1,3-Dichlorobenzene	20.0	19.9		ug/L		99	80 - 120
Carbon tetrachloride	20.0	20.1		ug/L		100	64 - 134
2-Hexanone	250	272		ug/L		109	56 - 143
Acetone	250	246		ug/L		98	57 - 150
Chloroform	20.0	18.6		ug/L		93	72 - 120
Benzene	20.0	19.6		ug/L		98	80 - 120
1,1,1-Trichloroethane	20.0	19.9		ug/L		99	73 - 120

Euofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-832697/4

Matrix: Water

Analysis Batch: 832697

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	20.0	17.8		ug/L		89	61 - 128
Chloromethane	20.0	18.1		ug/L		90	48 - 134
Chloroethane	20.0	20.4		ug/L		102	67 - 123
Vinyl chloride	20.0	18.2		ug/L		91	56 - 120
Methylene Chloride	20.0	21.0		ug/L		105	80 - 120
Carbon disulfide	20.0	20.0		ug/L		100	55 - 139
Bromoform	20.0	18.1		ug/L		90	63 - 128
Bromodichloromethane	20.0	18.8		ug/L		94	71 - 120
1,1-Dichloroethane	20.0	20.1		ug/L		100	80 - 126
1,1-Dichloroethene	20.0	21.5		ug/L		108	80 - 131
Trichlorofluoromethane	20.0	14.0		ug/L		70	57 - 120
Dichlorodifluoromethane	20.0	14.0		ug/L		70	40 - 127
Freon 113	20.0	20.6		ug/L		103	57 - 122
1,2-Dichloropropane	20.0	20.4		ug/L		102	80 - 120
2-Butanone	250	256		ug/L		102	59 - 135
1,1,2-Trichloroethane	20.0	19.9		ug/L		100	80 - 120
Trichloroethene	20.0	19.4		ug/L		97	80 - 120
Methyl acetate	20.0	22.9		ug/L		115	55 - 157
1,1,2,2-Tetrachloroethane	20.0	19.2		ug/L		96	72 - 127
1,2-Dichlorobenzene	20.0	19.6		ug/L		98	80 - 120
1,2-Dibromo-3-Chloropropane	20.0	19.7		ug/L		99	60 - 120
Isopropylbenzene	20.0	19.4		ug/L		97	80 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		80 - 120
Dibromofluoromethane (Surr)	92		80 - 120
4-Bromofluorobenzene (Surr)	98		80 - 120
Toluene-d8 (Surr)	98		80 - 120

Lab Sample ID: LCSD 410-832697/5

Matrix: Water

Analysis Batch: 832697

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	20.0	18.2		ug/L		91	75 - 120	4	30
trans-1,3-Dichloropropene	20.0	18.3		ug/L		91	67 - 120	3	30
Ethylbenzene	20.0	19.1		ug/L		96	80 - 120	1	30
Styrene	20.0	18.7		ug/L		93	80 - 120	1	30
1,4-Dichlorobenzene	20.0	19.1		ug/L		95	80 - 120	4	30
1,2-Dibromoethane	20.0	19.7		ug/L		98	77 - 120	1	30
1,2-Dichloroethane	20.0	19.4		ug/L		97	73 - 124	2	30
4-Methyl-2-pentanone	250	261		ug/L		104	62 - 133	3	30
Methylcyclohexane	20.0	18.3		ug/L		91	60 - 121	3	30
Toluene	20.0	19.0		ug/L		95	80 - 120	2	30
Chlorobenzene	20.0	19.7		ug/L		99	80 - 120	3	30
Cyclohexane	20.0	19.3		ug/L		96	60 - 126	5	30
1,2,4-Trichlorobenzene	20.0	18.0		ug/L		90	63 - 127	7	30
Dibromochloromethane	20.0	18.1		ug/L		91	71 - 120	2	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-832697/5

Matrix: Water

Analysis Batch: 832697

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Xylenes, Total	60.0	57.1		ug/L		95	80 - 120	0	30
Tetrachloroethene	20.0	18.8		ug/L		94	80 - 120	2	30
cis-1,2-Dichloroethene	20.0	17.2		ug/L		86	80 - 125	3	30
trans-1,2-Dichloroethene	20.0	18.7		ug/L		93	80 - 126	6	30
Methyl tertiary butyl ether	20.0	18.7		ug/L		93	69 - 122	6	30
1,3-Dichlorobenzene	20.0	19.3		ug/L		97	80 - 120	3	30
Carbon tetrachloride	20.0	19.3		ug/L		96	64 - 134	4	30
2-Hexanone	250	269		ug/L		108	56 - 143	1	30
Acetone	250	256		ug/L		102	57 - 150	4	30
Chloroform	20.0	17.5		ug/L		87	72 - 120	6	30
Benzene	20.0	19.0		ug/L		95	80 - 120	3	30
1,1,1-Trichloroethane	20.0	19.1		ug/L		96	73 - 120	4	30
Bromomethane	20.0	17.4		ug/L		87	61 - 128	3	30
Chloromethane	20.0	17.1		ug/L		85	48 - 134	6	30
Chloroethane	20.0	18.8		ug/L		94	67 - 123	8	30
Vinyl chloride	20.0	16.9		ug/L		84	56 - 120	8	30
Methylene Chloride	20.0	20.1		ug/L		100	80 - 120	5	30
Carbon disulfide	20.0	18.7		ug/L		94	55 - 139	7	30
Bromoform	20.0	17.7		ug/L		89	63 - 128	2	30
Bromodichloromethane	20.0	18.3		ug/L		92	71 - 120	2	30
1,1-Dichloroethane	20.0	18.9		ug/L		95	80 - 126	6	30
1,1-Dichloroethene	20.0	20.2		ug/L		101	80 - 131	7	30
Trichlorofluoromethane	20.0	13.6		ug/L		68	57 - 120	3	30
Dichlorodifluoromethane	20.0	13.6		ug/L		68	40 - 127	3	30
Freon 113	20.0	19.4		ug/L		97	57 - 122	6	30
1,2-Dichloropropane	20.0	20.2		ug/L		101	80 - 120	1	30
2-Butanone	250	250		ug/L		100	59 - 135	2	30
1,1,2-Trichloroethane	20.0	19.4		ug/L		97	80 - 120	3	30
Trichloroethene	20.0	18.7		ug/L		93	80 - 120	4	30
Methyl acetate	20.0	22.1		ug/L		111	55 - 157	3	30
1,1,1,2-Tetrachloroethane	20.0	18.6		ug/L		93	72 - 127	4	30
1,2-Dichlorobenzene	20.0	18.8		ug/L		94	80 - 120	4	30
1,2-Dibromo-3-Chloropropane	20.0	17.7		ug/L		89	60 - 120	11	30
Isopropylbenzene	20.0	19.2		ug/L		96	80 - 132	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		80 - 120
Dibromofluoromethane (Surr)	91		80 - 120
4-Bromofluorobenzene (Surr)	100		80 - 120
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: MB 410-833147/6

Matrix: Water

Analysis Batch: 833147

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/10/26 22:53	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/10/26 22:53	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-833147/6

Matrix: Water

Analysis Batch: 833147

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			06/10/26 22:53	1
Styrene	ND		5.0	0.30	ug/L			06/10/26 22:53	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/10/26 22:53	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/10/26 22:53	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/10/26 22:53	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/10/26 22:53	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/10/26 22:53	1
Toluene	ND		1.0	0.30	ug/L			06/10/26 22:53	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/10/26 22:53	1
Cyclohexane	ND		5.0	1.0	ug/L			06/10/26 22:53	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/10/26 22:53	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/10/26 22:53	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/10/26 22:53	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/10/26 22:53	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/10/26 22:53	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/10/26 22:53	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/10/26 22:53	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/10/26 22:53	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/10/26 22:53	1
2-Hexanone	ND		10	0.85	ug/L			06/10/26 22:53	1
Acetone	ND		20	0.70	ug/L			06/10/26 22:53	1
Chloroform	ND		1.0	0.30	ug/L			06/10/26 22:53	1
Benzene	ND		1.0	0.30	ug/L			06/10/26 22:53	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/10/26 22:53	1
Bromomethane	ND		1.0	0.30	ug/L			06/10/26 22:53	1
Chloromethane	ND		2.0	0.55	ug/L			06/10/26 22:53	1
Chloroethane	ND		1.0	0.30	ug/L			06/10/26 22:53	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/10/26 22:53	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/10/26 22:53	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/10/26 22:53	1
Bromoform	ND		4.0	1.0	ug/L			06/10/26 22:53	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/10/26 22:53	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/10/26 22:53	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/10/26 22:53	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/10/26 22:53	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/10/26 22:53	1
Freon 113	ND		10	0.30	ug/L			06/10/26 22:53	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/10/26 22:53	1
2-Butanone	ND		10	1.0	ug/L			06/10/26 22:53	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/10/26 22:53	1
Trichloroethene	ND		1.0	0.30	ug/L			06/10/26 22:53	1
Methyl acetate	ND		5.0	0.60	ug/L			06/10/26 22:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/10/26 22:53	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/10/26 22:53	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/10/26 22:53	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/10/26 22:53	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-833147/6

Matrix: Water

Analysis Batch: 833147

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		80 - 120		06/10/26 22:53	1
Dibromofluoromethane (Surr)	91		80 - 120		06/10/26 22:53	1
4-Bromofluorobenzene (Surr)	101		80 - 120		06/10/26 22:53	1
Toluene-d8 (Surr)	98		80 - 120		06/10/26 22:53	1

Lab Sample ID: LCS 410-833147/4

Matrix: Water

Analysis Batch: 833147

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	20.0	19.7		ug/L		98	75 - 120
trans-1,3-Dichloropropene	20.0	19.6		ug/L		98	67 - 120
Ethylbenzene	20.0	20.2		ug/L		101	80 - 120
Styrene	20.0	19.6		ug/L		98	80 - 120
1,4-Dichlorobenzene	20.0	20.7		ug/L		104	80 - 120
1,2-Dibromoethane	20.0	19.8		ug/L		99	77 - 120
1,2-Dichloroethane	20.0	20.2		ug/L		101	73 - 124
4-Methyl-2-pentanone	250	297		ug/L		119	62 - 133
Methylcyclohexane	20.0	20.9		ug/L		105	60 - 121
Toluene	20.0	20.1		ug/L		100	80 - 120
Chlorobenzene	20.0	20.3		ug/L		101	80 - 120
Cyclohexane	20.0	23.5		ug/L		117	60 - 126
1,2,4-Trichlorobenzene	20.0	19.5		ug/L		97	63 - 127
Dibromochloromethane	20.0	18.0		ug/L		90	71 - 120
Xylenes, Total	60.0	59.5		ug/L		99	80 - 120
Tetrachloroethene	20.0	18.9		ug/L		95	80 - 120
cis-1,2-Dichloroethene	20.0	17.8		ug/L		89	80 - 125
trans-1,2-Dichloroethene	20.0	19.0		ug/L		95	80 - 126
Methyl tertiary butyl ether	20.0	20.2		ug/L		101	69 - 122
1,3-Dichlorobenzene	20.0	20.5		ug/L		103	80 - 120
Carbon tetrachloride	20.0	20.5		ug/L		102	64 - 134
2-Hexanone	250	301		ug/L		120	56 - 143
Acetone	250	253		ug/L		101	57 - 150
Chloroform	20.0	18.1		ug/L		91	72 - 120
Benzene	20.0	20.3		ug/L		101	80 - 120
1,1,1-Trichloroethane	20.0	20.2		ug/L		101	73 - 120
Bromomethane	20.0	18.0		ug/L		90	61 - 128
Chloromethane	20.0	19.9		ug/L		99	48 - 134
Chloroethane	20.0	20.7		ug/L		103	67 - 123
Vinyl chloride	20.0	19.5		ug/L		98	56 - 120
Methylene Chloride	20.0	21.5		ug/L		108	80 - 120
Carbon disulfide	20.0	19.1		ug/L		95	55 - 139
Bromoform	20.0	17.9		ug/L		90	63 - 128
Bromodichloromethane	20.0	18.9		ug/L		95	71 - 120
1,1-Dichloroethane	20.0	20.8		ug/L		104	80 - 126
1,1-Dichloroethene	20.0	21.1		ug/L		105	80 - 131
Trichlorofluoromethane	20.0	14.6		ug/L		73	57 - 120
Dichlorodifluoromethane	20.0	16.6		ug/L		83	40 - 127

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-833147/4

Matrix: Water

Analysis Batch: 833147

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Freon 113	20.0	21.9		ug/L		110	57 - 122
1,2-Dichloropropane	20.0	21.8		ug/L		109	80 - 120
2-Butanone	250	278		ug/L		111	59 - 135
1,1,2-Trichloroethane	20.0	20.6		ug/L		103	80 - 120
Trichloroethene	20.0	19.4		ug/L		97	80 - 120
Methyl acetate	20.0	24.4		ug/L		122	55 - 157
1,1,2,2-Tetrachloroethane	20.0	20.7		ug/L		104	72 - 127
1,2-Dichlorobenzene	20.0	20.4		ug/L		102	80 - 120
1,2-Dibromo-3-Chloropropane	20.0	20.2		ug/L		101	60 - 120
Isopropylbenzene	20.0	19.8		ug/L		99	80 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		80 - 120
Dibromofluoromethane (Surr)	90		80 - 120
4-Bromofluorobenzene (Surr)	100		80 - 120
Toluene-d8 (Surr)	101		80 - 120

Lab Sample ID: MB 410-863819/7

Matrix: Water

Analysis Batch: 863819

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			08/06/26 10:28	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			08/06/26 10:28	1
Ethylbenzene	ND		1.0	0.40	ug/L			08/06/26 10:28	1
Styrene	ND		5.0	0.30	ug/L			08/06/26 10:28	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			08/06/26 10:28	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			08/06/26 10:28	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			08/06/26 10:28	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			08/06/26 10:28	1
Methylcyclohexane	ND		5.0	0.50	ug/L			08/06/26 10:28	1
Toluene	ND		1.0	0.30	ug/L			08/06/26 10:28	1
Chlorobenzene	ND		1.0	0.30	ug/L			08/06/26 10:28	1
Cyclohexane	ND		5.0	1.0	ug/L			08/06/26 10:28	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			08/06/26 10:28	1
Dibromochloromethane	ND		1.0	0.20	ug/L			08/06/26 10:28	1
Xylenes, Total	ND		1.0	0.40	ug/L			08/06/26 10:28	1
Tetrachloroethene	ND		1.0	0.30	ug/L			08/06/26 10:28	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			08/06/26 10:28	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			08/06/26 10:28	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			08/06/26 10:28	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			08/06/26 10:28	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			08/06/26 10:28	1
2-Hexanone	ND		10	0.85	ug/L			08/06/26 10:28	1
Acetone	ND		20	0.70	ug/L			08/06/26 10:28	1
Chloroform	ND		1.0	0.30	ug/L			08/06/26 10:28	1
Benzene	ND		1.0	0.30	ug/L			08/06/26 10:28	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			08/06/26 10:28	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-863819/7

Matrix: Water

Analysis Batch: 863819

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		1.0	0.30	ug/L			08/06/26 10:28	1
Chloromethane	ND		2.0	0.55	ug/L			08/06/26 10:28	1
Chloroethane	ND		1.0	0.30	ug/L			08/06/26 10:28	1
Vinyl chloride	ND		1.0	0.30	ug/L			08/06/26 10:28	1
Methylene Chloride	ND		1.0	0.30	ug/L			08/06/26 10:28	1
Carbon disulfide	ND		5.0	0.30	ug/L			08/06/26 10:28	1
Bromoform	ND		4.0	1.0	ug/L			08/06/26 10:28	1
Bromodichloromethane	ND		1.0	0.20	ug/L			08/06/26 10:28	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			08/06/26 10:28	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			08/06/26 10:28	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			08/06/26 10:28	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			08/06/26 10:28	1
Freon 113	ND		10	0.30	ug/L			08/06/26 10:28	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			08/06/26 10:28	1
2-Butanone	ND		10	1.0	ug/L			08/06/26 10:28	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			08/06/26 10:28	1
Trichloroethene	ND		1.0	0.30	ug/L			08/06/26 10:28	1
Methyl acetate	ND		5.0	0.60	ug/L			08/06/26 10:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			08/06/26 10:28	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			08/06/26 10:28	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			08/06/26 10:28	1
Isopropylbenzene	ND		5.0	0.30	ug/L			08/06/26 10:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		80 - 120		08/06/26 10:28	1
Dibromofluoromethane (Surr)	110		80 - 120		08/06/26 10:28	1
4-Bromofluorobenzene (Surr)	91		80 - 120		08/06/26 10:28	1
Toluene-d8 (Surr)	90		80 - 120		08/06/26 10:28	1

Lab Sample ID: LCS 410-863819/61

Matrix: Water

Analysis Batch: 863819

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	20.0	16.8		ug/L		84	75 - 120
trans-1,3-Dichloropropene	20.0	17.0		ug/L		85	67 - 120
Ethylbenzene	20.0	17.5		ug/L		87	80 - 120
Styrene	20.0	18.1		ug/L		91	80 - 120
1,4-Dichlorobenzene	20.0	20.1		ug/L		101	80 - 120
1,2-Dibromoethane	20.0	19.4		ug/L		97	77 - 120
1,2-Dichloroethane	20.0	19.9		ug/L		100	73 - 124
4-Methyl-2-pentanone	250	191		ug/L		76	62 - 133
Methylcyclohexane	20.0	17.0		ug/L		85	60 - 121
Toluene	20.0	18.3		ug/L		92	80 - 120
Chlorobenzene	20.0	19.9		ug/L		100	80 - 120
Cyclohexane	20.0	14.9		ug/L		74	60 - 126
1,2,4-Trichlorobenzene	20.0	16.1		ug/L		81	63 - 127
Dibromochloromethane	20.0	19.6		ug/L		98	71 - 120

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-863819/61

Matrix: Water

Analysis Batch: 863819

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Xylenes, Total	60.0	54.1		ug/L		90	80 - 120
Tetrachloroethene	20.0	21.1		ug/L		105	80 - 120
cis-1,2-Dichloroethene	20.0	20.4		ug/L		102	80 - 125
trans-1,2-Dichloroethene	20.0	21.0		ug/L		105	80 - 126
Methyl tertiary butyl ether	20.0	16.6		ug/L		83	69 - 122
1,3-Dichlorobenzene	20.0	19.3		ug/L		96	80 - 120
Carbon tetrachloride	20.0	21.9		ug/L		109	64 - 134
2-Hexanone	250	182		ug/L		73	56 - 143
Acetone	250	277		ug/L		111	57 - 150
Chloroform	20.0	17.1		ug/L		85	72 - 120
Benzene	20.0	19.5		ug/L		97	80 - 120
1,1,1-Trichloroethane	20.0	21.5		ug/L		107	73 - 120
Bromomethane	20.0	16.1		ug/L		80	61 - 128
Chloromethane	20.0	11.2		ug/L		56	48 - 134
Chloroethane	20.0	15.8		ug/L		79	67 - 123
Vinyl chloride	20.0	13.0		ug/L		65	56 - 120
Methylene Chloride	20.0	18.8		ug/L		94	80 - 120
Carbon disulfide	20.0	17.0		ug/L		85	55 - 139
Bromoform	20.0	19.6		ug/L		98	63 - 128
Bromodichloromethane	20.0	19.8		ug/L		99	71 - 120
1,1-Dichloroethane	20.0	18.6		ug/L		93	80 - 126
1,1-Dichloroethene	20.0	21.3		ug/L		106	80 - 131
Trichlorofluoromethane	20.0	16.4		ug/L		82	57 - 120
Dichlorodifluoromethane	20.0	15.1		ug/L		76	40 - 127
Freon 113	20.0	18.2		ug/L		91	57 - 122
1,2-Dichloropropane	20.0	16.8		ug/L		84	80 - 120
2-Butanone	250	181		ug/L		72	59 - 135
1,1,2-Trichloroethane	20.0	18.9		ug/L		94	80 - 120
Trichloroethene	20.0	19.6		ug/L		98	80 - 120
Methyl acetate	20.0	16.1		ug/L		80	55 - 157
1,1,2,2-Tetrachloroethane	20.0	15.9		ug/L		79	72 - 127
1,2-Dichlorobenzene	20.0	19.6		ug/L		98	80 - 120
1,2-Dibromo-3-Chloropropane	20.0	13.7		ug/L		69	60 - 120
Isopropylbenzene	20.0	16.8		ug/L		84	80 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	104		80 - 120
4-Bromofluorobenzene (Surr)	93		80 - 120
Toluene-d8 (Surr)	94		80 - 120

Method: 218.6 - Chromium, Hexavalent (Ion Chromatography)

Lab Sample ID: MB 410-825993/90

Matrix: Water

Analysis Batch: 825993

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			05/29/26 15:26	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 218.6 - Chromium, Hexavalent (Ion Chromatography)

Lab Sample ID: LCS 410-825993/89

Matrix: Water

Analysis Batch: 825993

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	0.100	0.105		mg/L		105	90 - 110

Lab Sample ID: 410-285561-8MS

Matrix: Water

Analysis Batch: 825993

Client Sample ID: MW-77

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	ND		0.100	0.109		mg/L		109	75 - 125

Lab Sample ID: 410-285561-8MSD

Matrix: Water

Analysis Batch: 825993

Client Sample ID: MW-77

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cr (VI)	ND		0.100	0.109		mg/L		109	75 - 125	0	20

Lab Sample ID: 410-285561-8DU

Matrix: Water

Analysis Batch: 825993

Client Sample ID: MW-77

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cr (VI)	ND		ND		mg/L		NC	20

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 410-832127/5

Matrix: Water

Analysis Batch: 832127

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20	0.10	mg/L			06/09/26 09:49	1

Lab Sample ID: LCS 410-832127/3

Matrix: Water

Analysis Batch: 832127

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	1.50	1.43		mg/L		96	90 - 110

Lab Sample ID: LCSD 410-832127/4

Matrix: Water

Analysis Batch: 832127

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	1.50	1.44		mg/L		96	90 - 110	1	20

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: 410-285561-8MS

Matrix: Water

Analysis Batch: 832127

Client Sample ID: MW-77

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	ND	FH	1.00	1.15	FH	mg/L		115	90 - 110

Lab Sample ID: 410-285561-8MSD

Matrix: Water

Analysis Batch: 832127

Client Sample ID: MW-77

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	ND	FH	1.00	1.14	FH	mg/L		114	90 - 110	NC	20

Lab Sample ID: 410-285561-8DU

Matrix: Water

Analysis Batch: 832127

Client Sample ID: MW-77

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Fluoride	ND	FH	0.117	J	mg/L		NC	15

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Lab Sample ID: MB 410-831492/9-A

Matrix: Water

Analysis Batch: 831174

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 831492

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.0	1.1	ng/L		06/08/26 16:27	06/10/26 02:27	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.60	ng/L		06/08/26 16:27	06/10/26 02:27	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.50	ng/L		06/08/26 16:27	06/10/26 02:27	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.80	ng/L		06/08/26 16:27	06/10/26 02:27	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.90	ng/L		06/08/26 16:27	06/10/26 02:27	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.50	ng/L		06/08/26 16:27	06/10/26 02:27	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.50	ng/L		06/08/26 16:27	06/10/26 02:27	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.50	ng/L		06/08/26 16:27	06/10/26 02:27	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.50	ng/L		06/08/26 16:27	06/10/26 02:27	1
Perfluorotridecanoic acid (PFTTrDA)	ND		2.0	0.50	ng/L		06/08/26 16:27	06/10/26 02:27	1
Perfluorotetradecanoic acid (PFTeDA)	ND		2.0	0.50	ng/L		06/08/26 16:27	06/10/26 02:27	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.50	ng/L		06/08/26 16:27	06/10/26 02:27	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.50	ng/L		06/08/26 16:27	06/10/26 02:27	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.80	ng/L		06/08/26 16:27	06/10/26 02:27	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.50	ng/L		06/08/26 16:27	06/10/26 02:27	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	1.3	ng/L		06/08/26 16:27	06/10/26 02:27	1
Perfluorononanesulfonic acid (PFNS)	ND		2.0	0.50	ng/L		06/08/26 16:27	06/10/26 02:27	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.50	ng/L		06/08/26 16:27	06/10/26 02:27	1
Perfluorododecanesulfonic acid (PFDoS)	ND		2.0	0.60	ng/L		06/08/26 16:27	06/10/26 02:27	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		4.0	1.0	ng/L		06/08/26 16:27	06/10/26 02:27	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		4.0	1.0	ng/L		06/08/26 16:27	06/10/26 02:27	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		4.0	1.0	ng/L		06/08/26 16:27	06/10/26 02:27	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 410-831492/9-A

Matrix: Water

Analysis Batch: 831174

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 831492

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonamide (PFOSA)	ND		2.0	0.50	ng/L		06/08/26 16:27	06/10/26 02:27	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		2.0	0.50	ng/L		06/08/26 16:27	06/10/26 02:27	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		2.0	1.1	ng/L		06/08/26 16:27	06/10/26 02:27	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.0	0.50	ng/L		06/08/26 16:27	06/10/26 02:27	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.0	0.50	ng/L		06/08/26 16:27	06/10/26 02:27	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		10	4.0	ng/L		06/08/26 16:27	06/10/26 02:27	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		10	4.0	ng/L		06/08/26 16:27	06/10/26 02:27	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		2.0	1.4	ng/L		06/08/26 16:27	06/10/26 02:27	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.50	ng/L		06/08/26 16:27	06/10/26 02:27	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.50	ng/L		06/08/26 16:27	06/10/26 02:27	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.50	ng/L		06/08/26 16:27	06/10/26 02:27	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.50	ng/L		06/08/26 16:27	06/10/26 02:27	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		2.0	0.50	ng/L		06/08/26 16:27	06/10/26 02:27	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.50	ng/L		06/08/26 16:27	06/10/26 02:27	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		2.0	0.50	ng/L		06/08/26 16:27	06/10/26 02:27	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		4.0	1.0	ng/L		06/08/26 16:27	06/10/26 02:27	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		10	2.8	ng/L		06/08/26 16:27	06/10/26 02:27	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		10	2.5	ng/L		06/08/26 16:27	06/10/26 02:27	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	89.6		5 - 130	06/08/26 16:27	06/10/26 02:27	1
13C5 PFPeA	139	*5+	40 - 130	06/08/26 16:27	06/10/26 02:27	1
13C5 PFHxA	133	*5+	40 - 130	06/08/26 16:27	06/10/26 02:27	1
13C4 PFHpA	128		40 - 130	06/08/26 16:27	06/10/26 02:27	1
13C8 PFOA	92.1		40 - 130	06/08/26 16:27	06/10/26 02:27	1
13C9 PFNA	100		40 - 130	06/08/26 16:27	06/10/26 02:27	1
13C6 PFDA	92.2		40 - 130	06/08/26 16:27	06/10/26 02:27	1
13C7 PFUnA	101		30 - 130	06/08/26 16:27	06/10/26 02:27	1
13C2 PFTeDA	111		10 - 130	06/08/26 16:27	06/10/26 02:27	1
13C3 PFBS	101		40 - 135	06/08/26 16:27	06/10/26 02:27	1
13C3 PFHxS	103		40 - 130	06/08/26 16:27	06/10/26 02:27	1
13C8 PFOS	97.4		40 - 130	06/08/26 16:27	06/10/26 02:27	1
13C8 FOSA	100		40 - 130	06/08/26 16:27	06/10/26 02:27	1
d3-NMeFOSAA	95.4		40 - 170	06/08/26 16:27	06/10/26 02:27	1
d5-NEtFOSAA	105		25 - 135	06/08/26 16:27	06/10/26 02:27	1
13C2 4:2 FTS	115		40 - 200	06/08/26 16:27	06/10/26 02:27	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 410-831492/9-A

Matrix: Water

Analysis Batch: 831174

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 831492

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 6:2 FTS	123		40 - 200	06/08/26 16:27	06/10/26 02:27	1
13C2 8:2 FTS	195		40 - 300	06/08/26 16:27	06/10/26 02:27	1
13C3 HFPO-DA	79.1		40 - 130	06/08/26 16:27	06/10/26 02:27	1
d7-N-MeFOSE-M	116		10 - 130	06/08/26 16:27	06/10/26 02:27	1
d9-N-EtFOSE-M	111		10 - 130	06/08/26 16:27	06/10/26 02:27	1
d5-NEtPFOSA	85.8		10 - 130	06/08/26 16:27	06/10/26 02:27	1
d3-NMePFOSA	81.0		10 - 130	06/08/26 16:27	06/10/26 02:27	1
13C2 PFDa	107		10 - 130	06/08/26 16:27	06/10/26 02:27	1
13C3-3:3 FTCA	131		20 - 150	06/08/26 16:27	06/10/26 02:27	1
13C3-5:3 FTCA	99.9		20 - 150	06/08/26 16:27	06/10/26 02:27	1
13C3-PFDoS	94.8		20 - 150	06/08/26 16:27	06/10/26 02:27	1

Lab Sample ID: LCS 410-831492/10-A

Matrix: Water

Analysis Batch: 831174

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 831492

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	80.0	78.7		ng/L		98	70 - 140
Perfluoropentanoic acid (PFPeA)	40.0	38.2		ng/L		96	65 - 135
Perfluorohexanoic acid (PFHxA)	40.0	44.9		ng/L		112	70 - 145
Perfluoroheptanoic acid (PFHpA)	40.0	40.9		ng/L		102	70 - 150
Perfluorooctanoic acid (PFOA)	40.0	41.0		ng/L		102	70 - 150
Perfluorononanoic acid (PFNA)	40.0	38.4		ng/L		96	70 - 150
Perfluorodecanoic acid (PFDA)	40.0	41.1		ng/L		103	70 - 140
Perfluoroundecanoic acid (PFUnA)	40.0	40.5		ng/L		101	70 - 145
Perfluorododecanoic acid (PFDoA)	40.0	39.6		ng/L		99	70 - 140
Perfluorotridecanoic acid (PFTrDA)	40.0	40.3		ng/L		101	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	40.0	40.3		ng/L		101	60 - 140
Perfluorobutanesulfonic acid (PFBS)	35.5	33.8		ng/L		95	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	37.6	46.7		ng/L		124	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	36.5	35.0		ng/L		96	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	38.2	40.1		ng/L		105	70 - 150
Perfluorooctanesulfonic acid (PFOS)	37.2	38.5		ng/L		103	55 - 150
Perfluorononanesulfonic acid (PFNS)	38.5	36.4		ng/L		95	65 - 145
Perfluorodecanesulfonic acid (PFDS)	38.6	37.8		ng/L		98	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	38.8	39.2		ng/L		101	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	75.0	79.0		ng/L		105	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	76.2	74.8		ng/L		98	65 - 155

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-831492/10-A

Matrix: Water

Analysis Batch: 831174

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 831492

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	76.8	75.9		ng/L		99	60 - 150
Perfluorooctanesulfonamide (PFOSA)	40.0	34.0		ng/L		85	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	40.0	42.6		ng/L		106	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	40.0	40.1		ng/L		100	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	35.9		ng/L		90	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	38.9		ng/L		97	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	200	177		ng/L		89	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	200	202		ng/L		101	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	30.1	29.5		ng/L		98	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	59.6	*+	ng/L		157	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	40.0	38.3		ng/L		96	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	40.0	37.6		ng/L		94	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	40.0	35.9		ng/L		90	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	37.4	38.6		ng/L		103	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	37.8	37.4		ng/L		99	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	35.7	35.1		ng/L		98	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	80.0	73.4		ng/L		92	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	200	192		ng/L		96	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	200	144		ng/L		72	50 - 145

Isotope Dilution	LCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	102		5 - 130
13C5 PFPeA	162	*5+	40 - 130
13C5 PFHxA	146	*5+	40 - 130
13C4 PFHpA	146	*5+	40 - 130
13C8 PFOA	95.8		40 - 130
13C9 PFNA	102		40 - 130
13C6 PFDA	94.9		40 - 130
13C7 PFUnA	95.8		30 - 130
13C2 PFTeDA	87.3		10 - 130
13C3 PFBS	105		40 - 135
13C3 PFHxS	102		40 - 130
13C8 PFOS	101		40 - 130

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-831492/10-A

Matrix: Water

Analysis Batch: 831174

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 831492

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C8 FOSA	101		40 - 130
d3-NMeFOSAA	85.7		40 - 170
d5-NEtFOSAA	90.2		25 - 135
13C2 4:2 FTS	122		40 - 200
13C2 6:2 FTS	116		40 - 200
13C2 8:2 FTS	196		40 - 300
13C3 HFPO-DA	83.7		40 - 130
d7-N-MeFOSE-M	98.8		10 - 130
d9-N-EtFOSE-M	93.8		10 - 130
d5-NEtPFOSA	78.5		10 - 130
d3-NMePFOSA	75.6		10 - 130
13C2 PFDoA	92.0		10 - 130
13C3-3:3 FTCA	159	*5+	20 - 150
13C3-5:3 FTCA	120		20 - 150
13C3-PFDoS	79.1		20 - 150

Lab Sample ID: LCSD 410-831492/11-A

Matrix: Water

Analysis Batch: 831174

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 831492

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	80.0	84.4		ng/L		106	70 - 140	7	30
Perfluoropentanoic acid (PFPeA)	40.0	40.9		ng/L		102	65 - 135	7	30
Perfluorohexanoic acid (PFHxA)	40.0	47.4		ng/L		118	70 - 145	5	30
Perfluoroheptanoic acid (PFHpA)	40.0	46.0		ng/L		115	70 - 150	12	30
Perfluorooctanoic acid (PFOA)	40.0	45.9		ng/L		115	70 - 150	11	30
Perfluorononanoic acid (PFNA)	40.0	42.5		ng/L		106	70 - 150	10	30
Perfluorodecanoic acid (PFDA)	40.0	40.8		ng/L		102	70 - 140	1	30
Perfluoroundecanoic acid (PFUnA)	40.0	45.2		ng/L		113	70 - 145	11	30
Perfluorododecanoic acid (PFDoA)	40.0	40.9		ng/L		102	70 - 140	3	30
Perfluorotridecanoic acid (PFTTrDA)	40.0	41.8		ng/L		105	65 - 140	4	30
Perfluorotetradecanoic acid (PFTeDA)	40.0	42.5		ng/L		106	60 - 140	5	30
Perfluorobutanesulfonic acid (PFBS)	35.5	35.1		ng/L		99	60 - 145	4	30
Perfluoropentanesulfonic acid (PFPeS)	37.6	42.0		ng/L		112	65 - 140	10	30
Perfluorohexanesulfonic acid (PFHxS)	36.5	40.1		ng/L		110	65 - 145	14	30
Perfluoroheptanesulfonic acid (PFHpS)	38.2	42.7		ng/L		112	70 - 150	6	30
Perfluorooctanesulfonic acid (PFOS)	37.2	41.3		ng/L		111	55 - 150	7	30
Perfluorononanesulfonic acid (PFNS)	38.5	40.6		ng/L		105	65 - 145	11	30
Perfluorodecanesulfonic acid (PFDS)	38.6	42.4		ng/L		110	60 - 145	12	30
Perfluorododecanesulfonic acid (PFDoS)	38.8	43.3		ng/L		112	50 - 145	10	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCSD 410-831492/11-A

Matrix: Water

Analysis Batch: 831174

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 831492

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	75.0	78.6		ng/L		105	70 - 145	0	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	76.2	81.9		ng/L		108	65 - 155	9	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	76.8	82.5		ng/L		107	60 - 150	8	30
Perfluorooctanesulfonamide (PFOSA)	40.0	37.4		ng/L		93	70 - 145	9	30
N-methylperfluorooctane sulfonamide (NMeFOSA)	40.0	44.0		ng/L		110	60 - 150	3	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	40.0	42.3		ng/L		106	65 - 145	5	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	34.3		ng/L		86	50 - 140	5	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	43.3		ng/L		108	70 - 145	11	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	200	187		ng/L		93	70 - 145	5	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	200	206		ng/L		103	70 - 135	2	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	30.1	32.0		ng/L		106	70 - 140	8	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	62.5	*+	ng/L		165	65 - 145	5	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	40.0	41.0		ng/L		103	55 - 140	7	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	40.0	40.2		ng/L		101	60 - 150	7	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	40.0	31.7		ng/L		79	50 - 150	13	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	37.4	41.4		ng/L		111	70 - 155	7	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	37.8	43.0		ng/L		114	55 - 160	14	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	35.7	34.6		ng/L		97	70 - 140	1	30
3-Perfluoropropylpropanoic acid (3:3 FTCA)	80.0	84.7		ng/L		106	65 - 130	14	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)	200	205		ng/L		103	70 - 135	7	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	200	144		ng/L		72	50 - 145	0	30

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	LCSD Limits
13C4 PFBA	102		5 - 130
13C5 PFPeA	170	*5+	40 - 130
13C5 PFHxA	163	*5+	40 - 130
13C4 PFHpA	145	*5+	40 - 130
13C8 PFOA	101		40 - 130
13C9 PFNA	100		40 - 130
13C6 PFDA	98.1		40 - 130
13C7 PFUnA	95.7		30 - 130

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCSD 410-831492/11-A

Matrix: Water

Analysis Batch: 831174

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 831492

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
13C2 PFTeDA	97.2		10 - 130
13C3 PFBS	109		40 - 135
13C3 PFHxS	95.8		40 - 130
13C8 PFOS	97.6		40 - 130
13C8 FOSA	102		40 - 130
d3-NMeFOSAA	102		40 - 170
d5-NEtFOSAA	96.0		25 - 135
13C2 4:2 FTS	120		40 - 200
13C2 6:2 FTS	114		40 - 200
13C2 8:2 FTS	185		40 - 300
13C3 HFPO-DA	85.7		40 - 130
d7-N-MeFOSE-M	94.4		10 - 130
d9-N-EtFOSE-M	92.6		10 - 130
d5-NEtPFOSA	87.5		10 - 130
d3-NMePFOSA	84.0		10 - 130
13C2 PFDoA	100		10 - 130
13C3-3:3 FTCA	157	*5+	20 - 150
13C3-5:3 FTCA	122		20 - 150
13C3-PFDoS	87.1		20 - 150

Lab Sample ID: LLCS 410-831492/12-A

Matrix: Water

Analysis Batch: 831174

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 831492

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	8.00	8.64		ng/L		108	70 - 140
Perfluoropentanoic acid (PFPeA)	4.00	4.27		ng/L		107	65 - 135
Perfluorohexanoic acid (PFHxA)	4.00	4.89		ng/L		122	70 - 145
Perfluoroheptanoic acid (PFHpA)	4.00	4.87		ng/L		122	70 - 150
Perfluorooctanoic acid (PFOA)	4.00	4.67		ng/L		117	70 - 150
Perfluorononanoic acid (PFNA)	4.00	4.35		ng/L		109	70 - 150
Perfluorodecanoic acid (PFDA)	4.00	5.03		ng/L		126	70 - 140
Perfluoroundecanoic acid (PFUnA)	4.00	4.70		ng/L		117	70 - 145
Perfluorododecanoic acid (PFDoA)	4.00	4.24		ng/L		106	70 - 140
Perfluorotridecanoic acid (PFTTrDA)	4.00	4.11		ng/L		103	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	4.00	4.01		ng/L		100	60 - 140
Perfluorobutanesulfonic acid (PFBS)	3.55	3.82		ng/L		107	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	3.76	3.62		ng/L		96	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	3.65	4.23		ng/L		116	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	3.82	4.79		ng/L		125	70 - 150
Perfluorooctanesulfonic acid (PFOS)	3.72	5.20		ng/L		140	55 - 150

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 410-831492/12-A

Matrix: Water

Analysis Batch: 831174

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 831492

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorononanesulfonic acid (PFNS)	3.85	4.48		ng/L		116	65 - 145
Perfluorodecanesulfonic acid (PFDS)	3.86	4.75		ng/L		123	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	3.88	4.31		ng/L		111	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	7.50	8.61		ng/L		115	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	7.62	7.63		ng/L		100	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	7.68	8.48		ng/L		110	60 - 150
Perfluorooctanesulfonamide (PFOSA)	4.00	3.97		ng/L		99	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	4.00	4.73		ng/L		118	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	4.00	4.40		ng/L		110	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.00	4.77		ng/L		119	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.00	5.10		ng/L		128	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	20.0	18.7		ng/L		93	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	20.0	21.3		ng/L		107	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	3.01	3.39		ng/L		113	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.78	6.60	*+	ng/L		174	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.00	4.28		ng/L		107	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.00	4.37		ng/L		109	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.00	3.61		ng/L		90	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	3.74	4.71		ng/L		126	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	3.78	4.55		ng/L		121	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	3.57	3.64		ng/L		102	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	8.00	9.92		ng/L		124	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	20.0	28.4	*+	ng/L		142	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	20.0	21.3		ng/L		107	50 - 145

Isotope Dilution	LLCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	95.7		5 - 130
13C5 PFPeA	150	*5+	40 - 130
13C5 PFHxA	151	*5+	40 - 130

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 410-831492/12-A

Matrix: Water

Analysis Batch: 831174

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 831492

Isotope Dilution	LLCS		Limits
	%Recovery	Qualifier	
13C4 PFHpA	134	*5+	40 - 130
13C8 PFOA	95.4		40 - 130
13C9 PFNA	97.8		40 - 130
13C6 PFDA	85.9		40 - 130
13C7 PFUnA	93.5		30 - 130
13C2 PFTeDA	96.6		10 - 130
13C3 PFBS	100		40 - 135
13C3 PFHxS	101		40 - 130
13C8 PFOS	89.6		40 - 130
13C8 FOSA	101		40 - 130
d3-NMeFOSAA	91.8		40 - 170
d5-NEtFOSAA	96.4		25 - 135
13C2 4:2 FTS	107		40 - 200
13C2 6:2 FTS	117		40 - 200
13C2 8:2 FTS	190		40 - 300
13C3 HFPO-DA	78.1		40 - 130
d7-N-MeFOSE-M	106		10 - 130
d9-N-EtFOSE-M	104		10 - 130
d5-NEtPFOSA	86.3		10 - 130
d3-NMePFOSA	80.8		10 - 130
13C2 PFDoA	97.1		10 - 130
13C3-3:3 FTCA	151	*5+	20 - 150
13C3-5:3 FTCA	111		20 - 150
13C3-PFDoS	88.3		20 - 150

Lab Sample ID: MB 410-831748/10-A

Matrix: Water

Analysis Batch: 832377

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 831748

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	ND		4.0	1.1	ng/L		06/09/26 07:04	06/10/26 08:00	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.60	ng/L		06/09/26 07:04	06/10/26 08:00	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.50	ng/L		06/09/26 07:04	06/10/26 08:00	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.80	ng/L		06/09/26 07:04	06/10/26 08:00	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.90	ng/L		06/09/26 07:04	06/10/26 08:00	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.50	ng/L		06/09/26 07:04	06/10/26 08:00	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.50	ng/L		06/09/26 07:04	06/10/26 08:00	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.50	ng/L		06/09/26 07:04	06/10/26 08:00	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.50	ng/L		06/09/26 07:04	06/10/26 08:00	1
Perfluorotridecanoic acid (PFTTrDA)	ND		2.0	0.50	ng/L		06/09/26 07:04	06/10/26 08:00	1
Perfluorotetradecanoic acid (PFTeDA)	ND		2.0	0.50	ng/L		06/09/26 07:04	06/10/26 08:00	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.50	ng/L		06/09/26 07:04	06/10/26 08:00	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.50	ng/L		06/09/26 07:04	06/10/26 08:00	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.80	ng/L		06/09/26 07:04	06/10/26 08:00	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.50	ng/L		06/09/26 07:04	06/10/26 08:00	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	1.3	ng/L		06/09/26 07:04	06/10/26 08:00	1
Perfluorononanesulfonic acid (PFNS)	ND		2.0	0.50	ng/L		06/09/26 07:04	06/10/26 08:00	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 410-831748/10-A

Matrix: Water

Analysis Batch: 832377

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 831748

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.50	ng/L		06/09/26 07:04	06/10/26 08:00	1
Perfluorododecanesulfonic acid (PFDoS)	ND		2.0	0.60	ng/L		06/09/26 07:04	06/10/26 08:00	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		4.0	1.0	ng/L		06/09/26 07:04	06/10/26 08:00	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		4.0	1.0	ng/L		06/09/26 07:04	06/10/26 08:00	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		4.0	1.0	ng/L		06/09/26 07:04	06/10/26 08:00	1
Perfluorooctanesulfonamide (PFOSA)	ND		2.0	0.50	ng/L		06/09/26 07:04	06/10/26 08:00	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		2.0	0.50	ng/L		06/09/26 07:04	06/10/26 08:00	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		2.0	1.1	ng/L		06/09/26 07:04	06/10/26 08:00	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.0	0.50	ng/L		06/09/26 07:04	06/10/26 08:00	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.0	0.50	ng/L		06/09/26 07:04	06/10/26 08:00	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		10	4.0	ng/L		06/09/26 07:04	06/10/26 08:00	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		10	4.0	ng/L		06/09/26 07:04	06/10/26 08:00	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		2.0	1.4	ng/L		06/09/26 07:04	06/10/26 08:00	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.50	ng/L		06/09/26 07:04	06/10/26 08:00	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.50	ng/L		06/09/26 07:04	06/10/26 08:00	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.50	ng/L		06/09/26 07:04	06/10/26 08:00	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.50	ng/L		06/09/26 07:04	06/10/26 08:00	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		2.0	0.50	ng/L		06/09/26 07:04	06/10/26 08:00	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.50	ng/L		06/09/26 07:04	06/10/26 08:00	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		2.0	0.50	ng/L		06/09/26 07:04	06/10/26 08:00	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		4.0	1.0	ng/L		06/09/26 07:04	06/10/26 08:00	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		10	2.8	ng/L		06/09/26 07:04	06/10/26 08:00	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		10	2.5	ng/L		06/09/26 07:04	06/10/26 08:00	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	92.3		5 - 130	06/09/26 07:04	06/10/26 08:00	1
13C5 PFPeA	88.5		40 - 130	06/09/26 07:04	06/10/26 08:00	1
13C5 PFHxA	88.5		40 - 130	06/09/26 07:04	06/10/26 08:00	1
13C4 PFHpA	84.1		40 - 130	06/09/26 07:04	06/10/26 08:00	1
13C8 PFOA	80.9		40 - 130	06/09/26 07:04	06/10/26 08:00	1
13C9 PFNA	81.5		40 - 130	06/09/26 07:04	06/10/26 08:00	1
13C6 PFDA	74.1		40 - 130	06/09/26 07:04	06/10/26 08:00	1
13C7 PFUnA	69.5		30 - 130	06/09/26 07:04	06/10/26 08:00	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 410-831748/10-A

Matrix: Water

Analysis Batch: 832377

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 831748

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFTeDA	55.2		10 - 130	06/09/26 07:04	06/10/26 08:00	1
13C3 PFBS	91.4		40 - 135	06/09/26 07:04	06/10/26 08:00	1
13C3 PFHxS	85.1		40 - 130	06/09/26 07:04	06/10/26 08:00	1
13C8 PFOS	74.7		40 - 130	06/09/26 07:04	06/10/26 08:00	1
13C8 FOSA	81.6		40 - 130	06/09/26 07:04	06/10/26 08:00	1
d3-NMeFOSAA	69.0		40 - 170	06/09/26 07:04	06/10/26 08:00	1
d5-NEtFOSAA	68.2		25 - 135	06/09/26 07:04	06/10/26 08:00	1
13C2 4:2 FTS	84.3		40 - 200	06/09/26 07:04	06/10/26 08:00	1
13C2 6:2 FTS	86.8		40 - 200	06/09/26 07:04	06/10/26 08:00	1
13C2 8:2 FTS	80.9		40 - 300	06/09/26 07:04	06/10/26 08:00	1
13C3 HFPO-DA	83.9		40 - 130	06/09/26 07:04	06/10/26 08:00	1
d7-N-MeFOSE-M	48.1		10 - 130	06/09/26 07:04	06/10/26 08:00	1
d9-N-EtFOSE-M	44.8		10 - 130	06/09/26 07:04	06/10/26 08:00	1
d5-NEtPFOSA	63.1		10 - 130	06/09/26 07:04	06/10/26 08:00	1
d3-NMePFOSA	67.9		10 - 130	06/09/26 07:04	06/10/26 08:00	1
13C2 PFDa	63.2		10 - 130	06/09/26 07:04	06/10/26 08:00	1
13C3-3:3 FTCA	136		20 - 150	06/09/26 07:04	06/10/26 08:00	1
13C3-5:3 FTCA	79.0		20 - 150	06/09/26 07:04	06/10/26 08:00	1
13C3-PFDoS	56.8		20 - 150	06/09/26 07:04	06/10/26 08:00	1

Lab Sample ID: LCS 410-831748/11-A

Matrix: Water

Analysis Batch: 832377

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 831748

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	80.0	78.1		ng/L		98	70 - 140
Perfluoropentanoic acid (PFPeA)	40.0	37.8		ng/L		95	65 - 135
Perfluorohexanoic acid (PFHxA)	40.0	38.3		ng/L		96	70 - 145
Perfluoroheptanoic acid (PFHpA)	40.0	36.2		ng/L		91	70 - 150
Perfluorooctanoic acid (PFOA)	40.0	34.8		ng/L		87	70 - 150
Perfluorononanoic acid (PFNA)	40.0	38.5		ng/L		96	70 - 150
Perfluorodecanoic acid (PFDA)	40.0	36.7		ng/L		92	70 - 140
Perfluoroundecanoic acid (PFUnA)	40.0	37.6		ng/L		94	70 - 145
Perfluorododecanoic acid (PFDaA)	40.0	39.0		ng/L		97	70 - 140
Perfluorotridecanoic acid (PFTTrDA)	40.0	38.4		ng/L		96	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	40.0	37.1		ng/L		93	60 - 140
Perfluorobutanesulfonic acid (PFBS)	35.5	36.1		ng/L		102	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	37.6	36.2		ng/L		96	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	36.5	35.8		ng/L		98	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	38.2	37.4		ng/L		98	70 - 150
Perfluorooctanesulfonic acid (PFOS)	37.2	35.7		ng/L		96	55 - 150

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-831748/11-A

Matrix: Water

Analysis Batch: 832377

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 831748

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorononanesulfonic acid (PFNS)	38.5	35.5		ng/L		92	65 - 145
Perfluorodecanesulfonic acid (PFDS)	38.6	34.3		ng/L		89	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	38.8	35.3		ng/L		91	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	75.0	71.6		ng/L		95	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	76.2	74.7		ng/L		98	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	76.8	69.4		ng/L		90	60 - 150
Perfluorooctanesulfonamide (PFOSA)	40.0	35.5		ng/L		89	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	40.0	37.5		ng/L		94	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	40.0	38.2		ng/L		96	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	38.0		ng/L		95	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	35.1		ng/L		88	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	200	182		ng/L		91	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	200	184		ng/L		92	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	30.1	27.4		ng/L		91	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	35.4		ng/L		94	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	40.0	44.0		ng/L		110	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	40.0	37.4		ng/L		93	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	40.0	36.8		ng/L		92	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	37.4	36.2		ng/L		97	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	37.8	33.9		ng/L		90	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	35.7	35.9		ng/L		101	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	80.0	61.9		ng/L		77	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	200	180		ng/L		90	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	200	160		ng/L		80	50 - 145

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFBA	86.7		5 - 130
13C5 PFPeA	86.4		40 - 130
13C5 PFHxA	85.9		40 - 130

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-831748/11-A

Matrix: Water

Analysis Batch: 832377

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 831748

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFHpA	88.9		40 - 130
13C8 PFOA	81.0		40 - 130
13C9 PFNA	82.1		40 - 130
13C6 PFDA	77.5		40 - 130
13C7 PFUnA	73.8		30 - 130
13C2 PFTeDA	61.5		10 - 130
13C3 PFBS	82.0		40 - 135
13C3 PFHxS	81.7		40 - 130
13C8 PFOS	83.3		40 - 130
13C8 FOSA	84.8		40 - 130
d3-NMeFOSAA	77.9		40 - 170
d5-NEtFOSAA	81.1		25 - 135
13C2 4:2 FTS	75.5		40 - 200
13C2 6:2 FTS	84.0		40 - 200
13C2 8:2 FTS	80.5		40 - 300
13C3 HFPO-DA	85.6		40 - 130
d7-N-MeFOSE-M	71.1		10 - 130
d9-N-EtFOSE-M	71.5		10 - 130
d5-NEtPFOSA	70.8		10 - 130
d3-NMePFOSA	74.6		10 - 130
13C2 PFDoA	71.0		10 - 130
13C3-3:3 FTCA	143		20 - 150
13C3-5:3 FTCA	84.0		20 - 150
13C3-PFDoS	71.6		20 - 150

Lab Sample ID: LCSD 410-831748/12-A

Matrix: Water

Analysis Batch: 832377

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 831748

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	80.0	79.7		ng/L		100	70 - 140	2	30
Perfluoropentanoic acid (PFPeA)	40.0	41.7		ng/L		104	65 - 135	10	30
Perfluorohexanoic acid (PFHxA)	40.0	39.4		ng/L		99	70 - 145	3	30
Perfluoroheptanoic acid (PFHpA)	40.0	40.6		ng/L		101	70 - 150	11	30
Perfluorooctanoic acid (PFOA)	40.0	38.1		ng/L		95	70 - 150	9	30
Perfluorononanoic acid (PFNA)	40.0	39.0		ng/L		98	70 - 150	1	30
Perfluorodecanoic acid (PFDA)	40.0	39.0		ng/L		97	70 - 140	6	30
Perfluoroundecanoic acid (PFUnA)	40.0	38.9		ng/L		97	70 - 145	3	30
Perfluorododecanoic acid (PFDoA)	40.0	39.2		ng/L		98	70 - 140	1	30
Perfluorotridecanoic acid (PFTTrDA)	40.0	40.5		ng/L		101	65 - 140	5	30
Perfluorotetradecanoic acid (PFTeDA)	40.0	42.4		ng/L		106	60 - 140	13	30
Perfluorobutanesulfonic acid (PFBS)	35.5	35.0		ng/L		99	60 - 145	3	30
Perfluoropentanesulfonic acid (PFPeS)	37.6	40.0		ng/L		106	65 - 140	10	30
Perfluorohexanesulfonic acid (PFHxS)	36.5	36.2		ng/L		99	65 - 145	1	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCSD 410-831748/12-A

Matrix: Water

Analysis Batch: 832377

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 831748

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluoroheptanesulfonic acid (PFHpS)	38.2	37.8		ng/L		99	70 - 150	1	30
Perfluorooctanesulfonic acid (PFOS)	37.2	36.6		ng/L		98	55 - 150	2	30
Perfluorononanesulfonic acid (PFNS)	38.5	34.6		ng/L		90	65 - 145	3	30
Perfluorodecanesulfonic acid (PFDS)	38.6	33.8		ng/L		88	60 - 145	2	30
Perfluorododecanesulfonic acid (PFDoS)	38.8	35.8		ng/L		92	50 - 145	1	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	75.0	72.7		ng/L		97	70 - 145	1	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	76.2	74.8		ng/L		98	65 - 155	0	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	76.8	76.9		ng/L		100	60 - 150	10	30
Perfluorooctanesulfonamide (PFOSA)	40.0	37.4		ng/L		94	70 - 145	5	30
N-methylperfluorooctane sulfonamide (NMeFOSA)	40.0	41.1		ng/L		103	60 - 150	9	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	40.0	38.0		ng/L		95	65 - 145	1	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	37.5		ng/L		94	50 - 140	1	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	39.4		ng/L		99	70 - 145	12	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	200	195		ng/L		97	70 - 145	7	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	200	190		ng/L		95	70 - 135	4	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	30.1	31.0		ng/L		103	70 - 140	12	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	39.2		ng/L		104	65 - 145	10	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	40.0	45.7		ng/L		114	55 - 140	4	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	40.0	38.4		ng/L		96	60 - 150	3	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	40.0	36.2		ng/L		91	50 - 150	2	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	37.4	35.5		ng/L		95	70 - 155	2	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	37.8	31.1		ng/L		82	55 - 160	9	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	35.7	36.9		ng/L		103	70 - 140	3	30
3-Perfluoropropylpropanoic acid (3:3 FTCA)	80.0	72.4		ng/L		91	65 - 130	16	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)	200	189		ng/L		94	70 - 135	5	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	200	169		ng/L		85	50 - 145	6	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
13C4 PFBA	86.5		5 - 130
13C5 PFPeA	84.8		40 - 130
13C5 PFHxA	84.9		40 - 130
13C4 PFHpA	83.9		40 - 130
13C8 PFOA	79.0		40 - 130
13C9 PFNA	82.2		40 - 130
13C6 PFDA	78.8		40 - 130
13C7 PFUnA	73.2		30 - 130
13C2 PFTeDA	62.2		10 - 130
13C3 PFBS	93.3		40 - 135
13C3 PFHxS	90.3		40 - 130
13C8 PFOS	79.3		40 - 130
13C8 FOSA	73.9		40 - 130
d3-NMeFOSAA	69.9		40 - 170
d5-NEtFOSAA	68.8		25 - 135
13C2 4:2 FTS	82.8		40 - 200
13C2 6:2 FTS	89.0		40 - 200
13C2 8:2 FTS	88.4		40 - 300
13C3 HFPO-DA	84.2		40 - 130
d7-N-MeFOSE-M	52.7		10 - 130
d9-N-EtFOSE-M	53.7		10 - 130
d5-NEtPFOSA	66.1		10 - 130
d3-NMePFOSA	66.3		10 - 130
13C2 PFDoA	69.8		10 - 130
13C3-3:3 FTCA	133		20 - 150
13C3-5:3 FTCA	81.4		20 - 150
13C3-PFDoS	69.3		20 - 150

Lab Sample ID: LLCS 410-831748/13-A
Matrix: Water
Analysis Batch: 832377

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 831748

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	8.00	8.17		ng/L		102	70 - 140
Perfluoropentanoic acid (PFPeA)	4.00	3.88		ng/L		97	65 - 135
Perfluorohexanoic acid (PFHxA)	4.00	4.84		ng/L		121	70 - 145
Perfluoroheptanoic acid (PFHpA)	4.00	4.43		ng/L		111	70 - 150
Perfluorooctanoic acid (PFOA)	4.00	4.06		ng/L		101	70 - 150
Perfluorononanoic acid (PFNA)	4.00	4.23		ng/L		106	70 - 150
Perfluorodecanoic acid (PFDA)	4.00	4.25		ng/L		106	70 - 140
Perfluoroundecanoic acid (PFUnA)	4.00	4.08		ng/L		102	70 - 145
Perfluorododecanoic acid (PFDoA)	4.00	4.25		ng/L		106	70 - 140
Perfluorotridecanoic acid (PFTTrDA)	4.00	4.08		ng/L		102	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	4.00	4.92		ng/L		123	60 - 140
Perfluorobutanesulfonic acid (PFBS)	3.55	3.70		ng/L		104	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	3.76	3.75		ng/L		100	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	3.65	3.92		ng/L		107	65 - 145

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 410-831748/13-A

Matrix: Water

Analysis Batch: 832377

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 831748

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroheptanesulfonic acid (PFHpS)	3.82	3.60		ng/L		94	70 - 150
Perfluorooctanesulfonic acid (PFOS)	3.72	4.48		ng/L		120	55 - 150
Perfluorononanesulfonic acid (PFNS)	3.85	3.78		ng/L		98	65 - 145
Perfluorodecanesulfonic acid (PFDS)	3.86	3.66		ng/L		95	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	3.88	4.03		ng/L		104	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	7.50	7.23		ng/L		96	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	7.62	7.39		ng/L		97	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	7.68	7.55		ng/L		98	60 - 150
Perfluorooctanesulfonamide (PFOSA)	4.00	3.94		ng/L		99	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	4.00	3.81		ng/L		95	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	4.00	4.27		ng/L		107	65 - 145
N-methylperfluorooctanesulfonamide (NMeFOSA)	4.00	3.88		ng/L		97	50 - 140
N-ethylperfluorooctanesulfonamide (NEtFOSA)	4.00	3.75		ng/L		94	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	20.0	20.9		ng/L		105	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	20.0	21.0		ng/L		105	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	3.01	3.05		ng/L		101	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.78	3.93		ng/L		104	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.00	4.37		ng/L		109	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.00	3.52		ng/L		88	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.00	4.39		ng/L		110	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	3.74	3.59		ng/L		96	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	3.78	3.08		ng/L		82	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	3.57	3.61		ng/L		101	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	8.00	7.36		ng/L		92	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	20.0	21.6		ng/L		108	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	20.0	18.9		ng/L		94	50 - 145

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	LLCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	88.8		5 - 130
13C5 PFPeA	90.9		40 - 130
13C5 PFHxA	87.3		40 - 130
13C4 PFHpA	85.8		40 - 130
13C8 PFOA	78.6		40 - 130
13C9 PFNA	81.3		40 - 130
13C6 PFDA	77.2		40 - 130
13C7 PFUnA	70.5		30 - 130
13C2 PFTeDA	53.4		10 - 130
13C3 PFBS	79.8		40 - 135
13C3 PFHxS	81.7		40 - 130
13C8 PFOS	78.4		40 - 130
13C8 FOSA	75.9		40 - 130
d3-NMeFOSAA	72.4		40 - 170
d5-NEtFOSAA	70.8		25 - 135
13C2 4:2 FTS	77.8		40 - 200
13C2 6:2 FTS	94.4		40 - 200
13C2 8:2 FTS	78.9		40 - 300
13C3 HFPO-DA	88.4		40 - 130
d7-N-MeFOSE-M	49.9		10 - 130
d9-N-EtFOSE-M	49.2		10 - 130
d5-NEtPFOSA	58.4		10 - 130
d3-NMePFOSA	63.3		10 - 130
13C2 PFDoA	62.6		10 - 130
13C3-3:3 FTCA	139		20 - 150
13C3-5:3 FTCA	84.6		20 - 150
13C3-PFDoS	60.6		20 - 150

Lab Sample ID: MB 410-832722/14-A

Matrix: Water

Analysis Batch: 833367

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 832722

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	ND		4.0	1.1	ng/L		06/10/26 09:29	06/11/26 10:27	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.60	ng/L		06/10/26 09:29	06/11/26 10:27	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.50	ng/L		06/10/26 09:29	06/11/26 10:27	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.80	ng/L		06/10/26 09:29	06/11/26 10:27	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.90	ng/L		06/10/26 09:29	06/11/26 10:27	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.50	ng/L		06/10/26 09:29	06/11/26 10:27	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.50	ng/L		06/10/26 09:29	06/11/26 10:27	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.50	ng/L		06/10/26 09:29	06/11/26 10:27	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.50	ng/L		06/10/26 09:29	06/11/26 10:27	1
Perfluorotridecanoic acid (PFTTrDA)	ND		2.0	0.50	ng/L		06/10/26 09:29	06/11/26 10:27	1
Perfluorotetradecanoic acid (PFTeDA)	ND		2.0	0.50	ng/L		06/10/26 09:29	06/11/26 10:27	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.50	ng/L		06/10/26 09:29	06/11/26 10:27	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.50	ng/L		06/10/26 09:29	06/11/26 10:27	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.80	ng/L		06/10/26 09:29	06/11/26 10:27	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.50	ng/L		06/10/26 09:29	06/11/26 10:27	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	1.3	ng/L		06/10/26 09:29	06/11/26 10:27	1
Perfluorononanesulfonic acid (PFNS)	ND		2.0	0.50	ng/L		06/10/26 09:29	06/11/26 10:27	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 410-832722/14-A

Matrix: Water

Analysis Batch: 833367

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 832722

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.50	ng/L		06/10/26 09:29	06/11/26 10:27	1
Perfluorododecanesulfonic acid (PFDoS)	ND		2.0	0.60	ng/L		06/10/26 09:29	06/11/26 10:27	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		4.0	1.0	ng/L		06/10/26 09:29	06/11/26 10:27	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		4.0	1.0	ng/L		06/10/26 09:29	06/11/26 10:27	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		4.0	1.0	ng/L		06/10/26 09:29	06/11/26 10:27	1
Perfluorooctanesulfonamide (PFOSA)	ND		2.0	0.50	ng/L		06/10/26 09:29	06/11/26 10:27	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		2.0	0.50	ng/L		06/10/26 09:29	06/11/26 10:27	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		2.0	1.1	ng/L		06/10/26 09:29	06/11/26 10:27	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.0	0.50	ng/L		06/10/26 09:29	06/11/26 10:27	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.0	0.50	ng/L		06/10/26 09:29	06/11/26 10:27	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		10	4.0	ng/L		06/10/26 09:29	06/11/26 10:27	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		10	4.0	ng/L		06/10/26 09:29	06/11/26 10:27	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		2.0	1.4	ng/L		06/10/26 09:29	06/11/26 10:27	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.50	ng/L		06/10/26 09:29	06/11/26 10:27	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.50	ng/L		06/10/26 09:29	06/11/26 10:27	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.50	ng/L		06/10/26 09:29	06/11/26 10:27	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.50	ng/L		06/10/26 09:29	06/11/26 10:27	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		2.0	0.50	ng/L		06/10/26 09:29	06/11/26 10:27	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.50	ng/L		06/10/26 09:29	06/11/26 10:27	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		2.0	0.50	ng/L		06/10/26 09:29	06/11/26 10:27	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		4.0	1.0	ng/L		06/10/26 09:29	06/11/26 10:27	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		10	2.8	ng/L		06/10/26 09:29	06/11/26 10:27	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		10	2.5	ng/L		06/10/26 09:29	06/11/26 10:27	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	93.5		5 - 130	06/10/26 09:29	06/11/26 10:27	1
13C5 PFPeA	93.2		40 - 130	06/10/26 09:29	06/11/26 10:27	1
13C5 PFHxA	98.5		40 - 130	06/10/26 09:29	06/11/26 10:27	1
13C4 PFHpA	93.4		40 - 130	06/10/26 09:29	06/11/26 10:27	1
13C8 PFOA	95.4		40 - 130	06/10/26 09:29	06/11/26 10:27	1
13C9 PFNA	87.8		40 - 130	06/10/26 09:29	06/11/26 10:27	1
13C6 PFDA	88.6		40 - 130	06/10/26 09:29	06/11/26 10:27	1
13C7 PFUnA	93.3		30 - 130	06/10/26 09:29	06/11/26 10:27	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 410-832722/14-A

Matrix: Water

Analysis Batch: 833367

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 832722

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFTeDA	81.2		10 - 130	06/10/26 09:29	06/11/26 10:27	1
13C3 PFBS	97.8		40 - 135	06/10/26 09:29	06/11/26 10:27	1
13C3 PFHxS	100		40 - 130	06/10/26 09:29	06/11/26 10:27	1
13C8 PFOS	92.3		40 - 130	06/10/26 09:29	06/11/26 10:27	1
13C8 FOSA	90.7		40 - 130	06/10/26 09:29	06/11/26 10:27	1
d3-NMeFOSAA	99.1		40 - 170	06/10/26 09:29	06/11/26 10:27	1
d5-NEtFOSAA	100		25 - 135	06/10/26 09:29	06/11/26 10:27	1
13C2 4:2 FTS	96.5		40 - 200	06/10/26 09:29	06/11/26 10:27	1
13C2 6:2 FTS	105		40 - 200	06/10/26 09:29	06/11/26 10:27	1
13C2 8:2 FTS	102		40 - 300	06/10/26 09:29	06/11/26 10:27	1
13C3 HFPO-DA	91.3		40 - 130	06/10/26 09:29	06/11/26 10:27	1
d7-N-MeFOSE-M	74.1		10 - 130	06/10/26 09:29	06/11/26 10:27	1
d9-N-EtFOSE-M	71.5		10 - 130	06/10/26 09:29	06/11/26 10:27	1
d5-NEtPFOSA	78.6		10 - 130	06/10/26 09:29	06/11/26 10:27	1
d3-NMePFOSA	80.9		10 - 130	06/10/26 09:29	06/11/26 10:27	1
13C2 PFDa	88.0		10 - 130	06/10/26 09:29	06/11/26 10:27	1
13C3-3:3 FTCA	98.7		20 - 150	06/10/26 09:29	06/11/26 10:27	1
13C3-5:3 FTCA	89.4		20 - 150	06/10/26 09:29	06/11/26 10:27	1
13C3-PFDoS	74.4		20 - 150	06/10/26 09:29	06/11/26 10:27	1

Lab Sample ID: LCS 410-832722/15-A

Matrix: Water

Analysis Batch: 833367

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 832722

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	80.0	74.3		ng/L		93	70 - 140
Perfluoropentanoic acid (PFPeA)	40.0	33.2		ng/L		83	65 - 135
Perfluorohexanoic acid (PFHxA)	40.0	35.8		ng/L		90	70 - 145
Perfluoroheptanoic acid (PFHpA)	40.0	36.0		ng/L		90	70 - 150
Perfluorooctanoic acid (PFOA)	40.0	35.9		ng/L		90	70 - 150
Perfluorononanoic acid (PFNA)	40.0	33.9		ng/L		85	70 - 150
Perfluorodecanoic acid (PFDA)	40.0	40.1		ng/L		100	70 - 140
Perfluoroundecanoic acid (PFUnA)	40.0	35.7		ng/L		89	70 - 145
Perfluorododecanoic acid (PFDoA)	40.0	37.0		ng/L		92	70 - 140
Perfluorotridecanoic acid (PFTTrDA)	40.0	36.0		ng/L		90	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	40.0	35.0		ng/L		87	60 - 140
Perfluorobutanesulfonic acid (PFBS)	35.5	30.9		ng/L		87	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	37.6	35.4		ng/L		94	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	36.5	30.8		ng/L		84	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	38.2	34.8		ng/L		91	70 - 150
Perfluorooctanesulfonic acid (PFOS)	37.2	32.9		ng/L		88	55 - 150

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-832722/15-A

Matrix: Water

Analysis Batch: 833367

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 832722

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorononanesulfonic acid (PFNS)	38.5	33.4		ng/L		87	65 - 145
Perfluorodecanesulfonic acid (PFDS)	38.6	33.5		ng/L		87	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	38.8	33.3		ng/L		86	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	75.0	65.8		ng/L		88	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	76.2	66.2		ng/L		87	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	76.8	70.4		ng/L		92	60 - 150
Perfluorooctanesulfonamide (PFOSA)	40.0	34.5		ng/L		86	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	40.0	35.5		ng/L		89	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	40.0	35.9		ng/L		90	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	35.4		ng/L		89	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	31.7		ng/L		79	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	200	186		ng/L		93	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	200	178		ng/L		89	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	30.1	24.9		ng/L		83	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	33.5		ng/L		88	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	40.0	34.4		ng/L		86	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	40.0	33.0		ng/L		83	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	40.0	34.0		ng/L		85	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	37.4	36.5		ng/L		98	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	37.8	34.6		ng/L		92	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	35.7	30.8		ng/L		86	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	80.0	64.5		ng/L		81	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	200	154		ng/L		77	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	200	154		ng/L		77	50 - 145

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFBA	87.9		5 - 130
13C5 PFPeA	99.9		40 - 130
13C5 PFHxA	89.2		40 - 130

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-832722/15-A

Matrix: Water

Analysis Batch: 833367

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 832722

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFHpA	91.0		40 - 130
13C8 PFOA	87.8		40 - 130
13C9 PFNA	92.0		40 - 130
13C6 PFDA	81.2		40 - 130
13C7 PFUnA	86.4		30 - 130
13C2 PFTeDA	81.6		10 - 130
13C3 PFBS	92.5		40 - 135
13C3 PFHxS	89.7		40 - 130
13C8 PFOS	85.7		40 - 130
13C8 FOSA	83.0		40 - 130
d3-NMeFOSAA	90.0		40 - 170
d5-NEtFOSAA	95.2		25 - 135
13C2 4:2 FTS	89.4		40 - 200
13C2 6:2 FTS	96.3		40 - 200
13C2 8:2 FTS	91.7		40 - 300
13C3 HFPO-DA	92.8		40 - 130
d7-N-MeFOSE-M	77.2		10 - 130
d9-N-EtFOSE-M	80.6		10 - 130
d5-NEtPFOSA	75.8		10 - 130
d3-NMePFOSA	77.4		10 - 130
13C2 PFDoA	86.4		10 - 130
13C3-3:3 FTCA	101		20 - 150
13C3-5:3 FTCA	92.0		20 - 150
13C3-PFDoS	83.8		20 - 150

Lab Sample ID: LLCS 410-832722/16-A

Matrix: Water

Analysis Batch: 833367

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 832722

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	8.00	7.66		ng/L		96	70 - 140
Perfluoropentanoic acid (PFPeA)	4.00	4.02		ng/L		101	65 - 135
Perfluorohexanoic acid (PFHxA)	4.00	4.05		ng/L		101	70 - 145
Perfluoroheptanoic acid (PFHpA)	4.00	4.01		ng/L		100	70 - 150
Perfluorooctanoic acid (PFOA)	4.00	3.99		ng/L		100	70 - 150
Perfluorononanoic acid (PFNA)	4.00	3.36		ng/L		84	70 - 150
Perfluorodecanoic acid (PFDA)	4.00	3.89		ng/L		97	70 - 140
Perfluoroundecanoic acid (PFUnA)	4.00	3.48		ng/L		87	70 - 145
Perfluorododecanoic acid (PFDoA)	4.00	3.89		ng/L		97	70 - 140
Perfluorotridecanoic acid (PFTTrDA)	4.00	3.92		ng/L		98	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	4.00	3.28		ng/L		82	60 - 140
Perfluorobutanesulfonic acid (PFBS)	3.55	3.20		ng/L		90	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	3.76	3.80		ng/L		101	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	3.65	3.42		ng/L		94	65 - 145

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 410-832722/16-A

Matrix: Water

Analysis Batch: 833367

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 832722

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroheptanesulfonic acid (PFHpS)	3.82	3.74		ng/L		98	70 - 150
Perfluorooctanesulfonic acid (PFOS)	3.72	3.56		ng/L		96	55 - 150
Perfluorononanesulfonic acid (PFNS)	3.85	3.31		ng/L		86	65 - 145
Perfluorodecanesulfonic acid (PFDS)	3.86	3.35		ng/L		87	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	3.88	3.77		ng/L		97	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	7.50	7.41		ng/L		99	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	7.62	7.34		ng/L		96	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	7.68	7.16		ng/L		93	60 - 150
Perfluorooctanesulfonamide (PFOSA)	4.00	4.03		ng/L		101	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	4.00	4.19		ng/L		105	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	4.00	3.85		ng/L		96	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.00	4.10		ng/L		102	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.00	3.88		ng/L		97	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	20.0	19.6		ng/L		98	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	20.0	19.5		ng/L		97	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	3.01	3.13		ng/L		104	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.78	3.86		ng/L		102	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.00	3.91		ng/L		98	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.00	3.85		ng/L		96	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.00	3.77		ng/L		94	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	3.74	3.63		ng/L		97	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	3.78	3.36		ng/L		89	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	3.57	3.29		ng/L		92	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	8.00	7.52		ng/L		94	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	20.0	17.0		ng/L		85	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	20.0	16.6		ng/L		83	50 - 145

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	LLCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	89.2		5 - 130
13C5 PFPeA	96.1		40 - 130
13C5 PFHxA	95.9		40 - 130
13C4 PFHpA	103		40 - 130
13C8 PFOA	92.1		40 - 130
13C9 PFNA	89.4		40 - 130
13C6 PFDA	81.3		40 - 130
13C7 PFUnA	86.4		30 - 130
13C2 PFTeDA	73.6		10 - 130
13C3 PFBS	93.7		40 - 135
13C3 PFHxS	90.6		40 - 130
13C8 PFOS	86.8		40 - 130
13C8 FOSA	76.8		40 - 130
d3-NMeFOSAA	88.9		40 - 170
d5-NEtFOSAA	87.6		25 - 135
13C2 4:2 FTS	91.1		40 - 200
13C2 6:2 FTS	95.0		40 - 200
13C2 8:2 FTS	87.7		40 - 300
13C3 HFPO-DA	92.7		40 - 130
d7-N-MeFOSE-M	58.8		10 - 130
d9-N-EtFOSE-M	59.4		10 - 130
d5-NEtPFOSA	70.3		10 - 130
d3-NMePFOSA	71.9		10 - 130
13C2 PFDoA	77.9		10 - 130
13C3-3:3 FTCA	110		20 - 150
13C3-5:3 FTCA	92.1		20 - 150
13C3-PFDoS	67.3		20 - 150

Lab Sample ID: 410-285561-25 MS

Matrix: Water

Analysis Batch: 833367

Client Sample ID: MW-84B

Prep Type: Total/NA

Prep Batch: 832722

Analyte	Sample		Spike	MS		Unit	D	%Rec	Limits
	Result	Qualifier		Result	Qualifier				
Perfluorobutanoic acid (PFBA)	8.3	cn	77.5	81.2	cn	ng/L		94	70 - 140
Perfluoropentanoic acid (PFPeA)	7.1	cn	38.8	41.9	cn	ng/L		90	65 - 135
Perfluorohexanoic acid (PFHxA)	7.1	cn	38.8	39.0	cn	ng/L		82	70 - 145
Perfluoroheptanoic acid (PFHpA)	4.1	cn	38.8	37.9	cn	ng/L		87	70 - 150
Perfluorooctanoic acid (PFOA)	9.0	cn	38.8	48.6	cn	ng/L		102	70 - 150
Perfluorononanoic acid (PFNA)	1.7	J cn	38.8	35.5	cn	ng/L		87	70 - 150
Perfluorodecanoic acid (PFDA)	ND	cn	38.8	37.6	cn	ng/L		97	70 - 140
Perfluoroundecanoic acid (PFUnA)	ND	cn	38.8	35.5	cn	ng/L		92	70 - 145
Perfluorododecanoic acid (PFDoA)	ND	cn	38.8	34.0	cn	ng/L		88	70 - 140
Perfluorotridecanoic acid (PFTTrDA)	ND	FL cn	38.8	24.1	FL cn	ng/L		62	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	ND	cn	38.8	31.5	cn	ng/L		81	60 - 140
Perfluorobutanesulfonic acid (PFBS)	4.7	cn	34.4	35.4	cn	ng/L		89	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	0.51	J cn	36.4	36.1	cn	ng/L		98	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	2.2	cn	35.4	32.8	cn	ng/L		86	65 - 145

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: 410-285561-25 MS

Matrix: Water

Analysis Batch: 833367

Client Sample ID: MW-84B

Prep Type: Total/NA

Prep Batch: 832722

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroheptanesulfonic acid (PFHpS)	ND	cn	37.0	41.0	cn	ng/L		111	70 - 150
Perfluorooctanesulfonic acid (PFOS)	12	cn	36.1	47.1	cn	ng/L		99	55 - 150
Perfluorononanesulfonic acid (PFNS)	ND	FL cn	37.3	22.5	FL cn	ng/L		60	65 - 145
Perfluorodecanesulfonic acid (PFDS)	ND	FL cn	37.4	12.2	FL cn	ng/L		33	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	ND	cn	37.6	27.4	cn	ng/L		73	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND	cn	72.7	67.7	cn	ng/L		93	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	150	FL F2 cn	73.8	145	FL cn	ng/L		-1	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND	cn	74.4	67.9	cn	ng/L		91	60 - 150
Perfluorooctanesulfonamide (PFOSA)	ND	cn	38.8	36.8	cn	ng/L		95	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND	cn	38.8	36.3	cn	ng/L		94	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND	cn	38.8	31.6	cn	ng/L		81	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND	cn	38.8	34.7	cn	ng/L		89	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND	cn	38.8	37.4	cn	ng/L		97	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND	cn	194	182	cn	ng/L		94	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND	cn	194	159	cn	ng/L		82	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	cn	29.2	27.4	cn	ng/L		94	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	cn	36.7	34.9	cn	ng/L		95	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	cn	38.8	35.2	cn	ng/L		91	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	cn	38.8	35.2	cn	ng/L		91	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	cn	38.8	35.5	cn	ng/L		92	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND	cn	36.2	32.1	cn	ng/L		89	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND	FL cn	36.6	11.3	FL cn	ng/L		31	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND	cn	34.6	30.7	cn	ng/L		89	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND	cn	77.5	61.9	cn	ng/L		80	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND	cn	194	164	cn	ng/L		84	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND	cn	194	146	cn	ng/L		76	50 - 145

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	MS MS		Limits
	%Recovery	Qualifier	
13C4 PFBA	92.4	cn	5 - 130
13C5 PFPeA	105	cn	40 - 130
13C5 PFHxA	99.8	cn	40 - 130
13C4 PFHpA	100	cn	40 - 130
13C8 PFOA	90.6	cn	40 - 130
13C9 PFNA	83.5	cn	40 - 130
13C6 PFDA	72.5	cn	40 - 130
13C7 PFUnA	48.2	cn	30 - 130
13C2 PFTeDA	10.2	cn	10 - 130
13C3 PFBS	105	cn	40 - 135
13C3 PFHxS	95.8	cn	40 - 130
13C8 PFOS	75.3	cn	40 - 130
13C8 FOSA	55.4	cn	40 - 130
d3-NMeFOSAA	62.9	cn	40 - 170
d5-NEtFOSAA	47.8	cn	25 - 135
13C2 4:2 FTS	120	cn	40 - 200
13C2 6:2 FTS	135	cn	40 - 200
13C2 8:2 FTS	107	cn	40 - 300
13C3 HFPO-DA	94.7	cn	40 - 130
d7-N-MeFOSE-M	17.9	cn	10 - 130
d9-N-EtFOSE-M	14.2	cn	10 - 130
d5-NEtPFOSA	18.0	cn	10 - 130
d3-NMePFOSA	21.3	cn	10 - 130
13C2 PFDoA	24.8	cn	10 - 130
13C3-3:3 FTCA	118	cn	20 - 150
13C3-5:3 FTCA	100	cn	20 - 150
13C3-PFDoS	11.6	*5- cn	20 - 150

Lab Sample ID: 410-285561-25 MSD

Matrix: Water

Analysis Batch: 833367

Client Sample ID: MW-84B

Prep Type: Total/NA

Prep Batch: 832722

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Perfluorobutanoic acid (PFBA)	8.3	cn	78.4	85.3	cn	ng/L		98	70 - 140	5	30
Perfluoropentanoic acid (PFPeA)	7.1	cn	39.2	38.5	cn	ng/L		80	65 - 135	8	30
Perfluorohexanoic acid (PFHxA)	7.1	cn	39.2	42.7	cn	ng/L		91	70 - 145	9	30
Perfluoroheptanoic acid (PFHpA)	4.1	cn	39.2	40.6	cn	ng/L		93	70 - 150	7	30
Perfluorooctanoic acid (PFOA)	9.0	cn	39.2	44.7	cn	ng/L		91	70 - 150	8	30
Perfluorononanoic acid (PFNA)	1.7	J cn	39.2	34.9	cn	ng/L		85	70 - 150	2	30
Perfluorodecanoic acid (PFDA)	ND	cn	39.2	37.5	cn	ng/L		96	70 - 140	0	30
Perfluoroundecanoic acid (PFUnA)	ND	cn	39.2	35.5	cn	ng/L		91	70 - 145	0	30
Perfluorododecanoic acid (PFDoA)	ND	cn	39.2	32.6	cn	ng/L		83	70 - 140	4	30
Perfluorotridecanoic acid (PFTTrDA)	ND	FL cn	39.2	19.7	FL cn	ng/L		50	65 - 140	20	30
Perfluorotetradecanoic acid (PFTeDA)	ND	cn	39.2	28.5	cn	ng/L		73	60 - 140	10	30
Perfluorobutanesulfonic acid (PFBS)	4.7	cn	34.8	34.0	cn	ng/L		84	60 - 145	4	30
Perfluoropentanesulfonic acid (PFPeS)	0.51	J cn	36.8	34.2	cn	ng/L		92	65 - 140	5	30
Perfluorohexanesulfonic acid (PFHxS)	2.2	cn	35.7	33.9	cn	ng/L		89	65 - 145	3	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: 410-285561-25 MSD

Matrix: Water

Analysis Batch: 833367

Client Sample ID: MW-84B

Prep Type: Total/NA

Prep Batch: 832722

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluoroheptanesulfonic acid (PFHpS)	ND	cn	37.4	36.6	cn	ng/L		98	70 - 150	11	30
Perfluorooctanesulfonic acid (PFOS)	12	cn	36.4	43.9	cn	ng/L		89	55 - 150	7	30
Perfluorononanesulfonic acid (PFNS)	ND	FL cn	37.7	24.4	cn	ng/L		65	65 - 145	8	30
Perfluorodecanesulfonic acid (PFDS)	ND	FL cn	37.8	13.3	FL cn	ng/L		35	60 - 145	8	30
Perfluorododecanesulfonic acid (PFDoS)	ND	cn	38.0	24.7	cn	ng/L		65	50 - 145	10	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND	cn	73.5	66.3	cn	ng/L		90	70 - 145	2	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	150	FL F2 cn	74.6	209	F2 cn	ng/L		84	65 - 155	36	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND	cn	75.2	68.8	cn	ng/L		91	60 - 150	1	30
Perfluorooctanesulfonamide (PFOSA)	ND	cn	39.2	35.4	cn	ng/L		90	70 - 145	4	30
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND	cn	39.2	33.8	cn	ng/L		86	60 - 150	7	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND	cn	39.2	33.1	cn	ng/L		84	65 - 145	5	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND	cn	39.2	33.4	cn	ng/L		85	50 - 140	4	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND	cn	39.2	34.9	cn	ng/L		89	70 - 145	7	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND	cn	196	192	cn	ng/L		98	70 - 145	5	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND	cn	196	170	cn	ng/L		87	70 - 135	7	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	cn	29.5	26.7	cn	ng/L		91	70 - 140	3	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	cn	37.1	31.7	cn	ng/L		86	65 - 145	10	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	cn	39.2	33.3	cn	ng/L		85	55 - 140	6	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	cn	39.2	34.6	cn	ng/L		88	60 - 150	2	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	cn	39.2	34.4	cn	ng/L		88	50 - 150	3	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND	cn	36.6	32.8	cn	ng/L		90	70 - 155	2	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND	FL cn	37.0	12.8	FL cn	ng/L		35	55 - 160	12	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND	cn	35.0	31.3	cn	ng/L		90	70 - 140	2	30
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND	cn	78.4	60.9	cn	ng/L		78	65 - 130	2	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND	cn	196	166	cn	ng/L		85	70 - 135	2	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND	cn	196	157	cn	ng/L		80	50 - 145	7	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	MSD MSD		Limits
	%Recovery	Qualifier	
13C4 PFBA	84.9	cn	5 - 130
13C5 PFPeA	106	cn	40 - 130
13C5 PFHxA	97.6	cn	40 - 130
13C4 PFHpA	94.5	cn	40 - 130
13C8 PFOA	93.2	cn	40 - 130
13C9 PFNA	91.8	cn	40 - 130
13C6 PFDA	78.7	cn	40 - 130
13C7 PFUnA	60.3	cn	30 - 130
13C2 PFTeDA	11.6	cn	10 - 130
13C3 PFBS	101	cn	40 - 135
13C3 PFHxS	93.0	cn	40 - 130
13C8 PFOS	89.5	cn	40 - 130
13C8 FOSA	72.3	cn	40 - 130
d3-NMeFOSAA	85.8	cn	40 - 170
d5-NEtFOSAA	71.2	cn	25 - 135
13C2 4:2 FTS	170	cn	40 - 200
13C2 6:2 FTS	131	cn	40 - 200
13C2 8:2 FTS	119	cn	40 - 300
13C3 HFPO-DA	95.0	cn	40 - 130
d7-N-MeFOSE-M	21.8	cn	10 - 130
d9-N-EtFOSE-M	15.1	cn	10 - 130
d5-NEtPFOSA	24.1	cn	10 - 130
d3-NMePFOSA	31.2	cn	10 - 130
13C2 PFDoA	34.7	cn	10 - 130
13C3-3:3 FTCA	133	cn	20 - 150
13C3-5:3 FTCA	102	cn	20 - 150
13C3-PFDoS	12.4	*5- cn	20 - 150

Lab Sample ID: MB 410-861121/19-A

Matrix: Water

Analysis Batch: 861443

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 861121

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	ND		4.0	1.1	ng/L		07/31/26 15:43	08/03/26 02:53	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.60	ng/L		07/31/26 15:43	08/03/26 02:53	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.50	ng/L		07/31/26 15:43	08/03/26 02:53	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.80	ng/L		07/31/26 15:43	08/03/26 02:53	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.90	ng/L		07/31/26 15:43	08/03/26 02:53	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.50	ng/L		07/31/26 15:43	08/03/26 02:53	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.50	ng/L		07/31/26 15:43	08/03/26 02:53	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.50	ng/L		07/31/26 15:43	08/03/26 02:53	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.50	ng/L		07/31/26 15:43	08/03/26 02:53	1
Perfluorotridecanoic acid (PFTTrDA)	ND		2.0	0.50	ng/L		07/31/26 15:43	08/03/26 02:53	1
Perfluorotetradecanoic acid (PFTeDA)	ND		2.0	0.50	ng/L		07/31/26 15:43	08/03/26 02:53	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.50	ng/L		07/31/26 15:43	08/03/26 02:53	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.50	ng/L		07/31/26 15:43	08/03/26 02:53	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.80	ng/L		07/31/26 15:43	08/03/26 02:53	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.50	ng/L		07/31/26 15:43	08/03/26 02:53	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	1.3	ng/L		07/31/26 15:43	08/03/26 02:53	1
Perfluorononanesulfonic acid (PFNS)	ND		2.0	0.50	ng/L		07/31/26 15:43	08/03/26 02:53	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 410-861121/19-A

Matrix: Water

Analysis Batch: 861443

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 861121

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.50	ng/L		07/31/26 15:43	08/03/26 02:53	1
Perfluorododecanesulfonic acid (PFDoS)	ND		2.0	0.60	ng/L		07/31/26 15:43	08/03/26 02:53	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		4.0	1.0	ng/L		07/31/26 15:43	08/03/26 02:53	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		4.0	1.0	ng/L		07/31/26 15:43	08/03/26 02:53	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		4.0	1.0	ng/L		07/31/26 15:43	08/03/26 02:53	1
Perfluorooctanesulfonamide (PFOSA)	ND		2.0	0.50	ng/L		07/31/26 15:43	08/03/26 02:53	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		2.0	0.50	ng/L		07/31/26 15:43	08/03/26 02:53	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		2.0	1.1	ng/L		07/31/26 15:43	08/03/26 02:53	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.0	0.50	ng/L		07/31/26 15:43	08/03/26 02:53	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.0	0.50	ng/L		07/31/26 15:43	08/03/26 02:53	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		10	4.0	ng/L		07/31/26 15:43	08/03/26 02:53	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		10	4.0	ng/L		07/31/26 15:43	08/03/26 02:53	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		2.0	1.4	ng/L		07/31/26 15:43	08/03/26 02:53	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.50	ng/L		07/31/26 15:43	08/03/26 02:53	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.50	ng/L		07/31/26 15:43	08/03/26 02:53	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.50	ng/L		07/31/26 15:43	08/03/26 02:53	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.50	ng/L		07/31/26 15:43	08/03/26 02:53	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		2.0	0.50	ng/L		07/31/26 15:43	08/03/26 02:53	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.50	ng/L		07/31/26 15:43	08/03/26 02:53	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		2.0	0.50	ng/L		07/31/26 15:43	08/03/26 02:53	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		4.0	1.0	ng/L		07/31/26 15:43	08/03/26 02:53	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		10	2.8	ng/L		07/31/26 15:43	08/03/26 02:53	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		10	2.5	ng/L		07/31/26 15:43	08/03/26 02:53	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	83.8		5 - 130	07/31/26 15:43	08/03/26 02:53	1
13C5 PFPeA	78.7		40 - 130	07/31/26 15:43	08/03/26 02:53	1
13C5 PFHxA	76.0		40 - 130	07/31/26 15:43	08/03/26 02:53	1
13C4 PFHpA	73.8		40 - 130	07/31/26 15:43	08/03/26 02:53	1
13C8 PFOA	76.9		40 - 130	07/31/26 15:43	08/03/26 02:53	1
13C9 PFNA	74.7		40 - 130	07/31/26 15:43	08/03/26 02:53	1
13C6 PFDA	74.9		40 - 130	07/31/26 15:43	08/03/26 02:53	1
13C7 PFUnA	70.5		30 - 130	07/31/26 15:43	08/03/26 02:53	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 410-861121/19-A

Matrix: Water

Analysis Batch: 861443

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 861121

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFTeDA	61.1		10 - 130	07/31/26 15:43	08/03/26 02:53	1
13C3 PFBS	75.4		40 - 135	07/31/26 15:43	08/03/26 02:53	1
13C3 PFHxS	76.3		40 - 130	07/31/26 15:43	08/03/26 02:53	1
13C8 PFOS	75.6		40 - 130	07/31/26 15:43	08/03/26 02:53	1
13C8 FOSA	61.4		40 - 130	07/31/26 15:43	08/03/26 02:53	1
d3-NMeFOSAA	48.1		40 - 170	07/31/26 15:43	08/03/26 02:53	1
d5-NEtFOSAA	47.1		25 - 135	07/31/26 15:43	08/03/26 02:53	1
13C2 4:2 FTS	59.5		40 - 200	07/31/26 15:43	08/03/26 02:53	1
13C2 6:2 FTS	59.8		40 - 200	07/31/26 15:43	08/03/26 02:53	1
13C2 8:2 FTS	55.3		40 - 300	07/31/26 15:43	08/03/26 02:53	1
13C3 HFPO-DA	74.9		40 - 130	07/31/26 15:43	08/03/26 02:53	1
d7-N-MeFOSE-M	38.4		10 - 130	07/31/26 15:43	08/03/26 02:53	1
d9-N-EtFOSE-M	35.6		10 - 130	07/31/26 15:43	08/03/26 02:53	1
d5-NEtPFOSA	48.2		10 - 130	07/31/26 15:43	08/03/26 02:53	1
d3-NMePFOSA	49.9		10 - 130	07/31/26 15:43	08/03/26 02:53	1
13C2 PFDa	63.6		10 - 130	07/31/26 15:43	08/03/26 02:53	1
13C3-3:3 FTCA	85.0		20 - 150	07/31/26 15:43	08/03/26 02:53	1
13C3-5:3 FTCA	68.8		20 - 150	07/31/26 15:43	08/03/26 02:53	1
13C3-PFDoS	53.5		20 - 150	07/31/26 15:43	08/03/26 02:53	1

Lab Sample ID: LCS 410-861121/20-A

Matrix: Water

Analysis Batch: 861443

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 861121

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	80.0	77.4		ng/L		97	70 - 140
Perfluoropentanoic acid (PFPeA)	40.0	35.7		ng/L		89	65 - 135
Perfluorohexanoic acid (PFHxA)	40.0	35.7		ng/L		89	70 - 145
Perfluoroheptanoic acid (PFHpA)	40.0	40.0		ng/L		100	70 - 150
Perfluorooctanoic acid (PFOA)	40.0	39.7		ng/L		99	70 - 150
Perfluorononanoic acid (PFNA)	40.0	40.6		ng/L		102	70 - 150
Perfluorodecanoic acid (PFDA)	40.0	36.5		ng/L		91	70 - 140
Perfluoroundecanoic acid (PFUnA)	40.0	36.3		ng/L		91	70 - 145
Perfluorododecanoic acid (PFDaA)	40.0	37.4		ng/L		93	70 - 140
Perfluorotridecanoic acid (PFTTrDA)	40.0	42.2		ng/L		106	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	40.0	38.8		ng/L		97	60 - 140
Perfluorobutanesulfonic acid (PFBS)	35.5	35.0		ng/L		99	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	37.6	34.6		ng/L		92	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	36.5	33.3		ng/L		91	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	38.2	39.3		ng/L		103	70 - 150
Perfluorooctanesulfonic acid (PFOS)	37.2	36.1		ng/L		97	55 - 150

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-861121/20-A

Matrix: Water

Analysis Batch: 861443

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 861121

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorononanesulfonic acid (PFNS)	38.5	32.3		ng/L		84	65 - 145
Perfluorodecanesulfonic acid (PFDS)	38.6	32.4		ng/L		84	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	38.8	37.0		ng/L		95	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	75.0	73.3		ng/L		98	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	76.2	71.5		ng/L		94	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	76.8	82.9		ng/L		108	60 - 150
Perfluorooctanesulfonamide (PFOSA)	40.0	39.7		ng/L		99	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	40.0	39.8		ng/L		100	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	40.0	40.1		ng/L		100	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	37.9		ng/L		95	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	36.8		ng/L		92	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	200	193		ng/L		97	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	200	189		ng/L		95	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	30.0	31.4		ng/L		105	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	40.1		ng/L		106	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	40.0	42.8		ng/L		107	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	40.0	35.7		ng/L		89	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	40.0	35.8		ng/L		90	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	37.4	35.6		ng/L		95	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	37.8	32.5		ng/L		86	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	35.7	29.8		ng/L		83	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	80.0	76.1		ng/L		95	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	200	184		ng/L		92	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	200	147		ng/L		73	50 - 145

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFBA	94.7		5 - 130
13C5 PFPeA	98.9		40 - 130
13C5 PFHxA	89.3		40 - 130

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-861121/20-A

Matrix: Water

Analysis Batch: 861443

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 861121

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFHpA	84.7		40 - 130
13C8 PFOA	79.8		40 - 130
13C9 PFNA	76.8		40 - 130
13C6 PFDA	75.4		40 - 130
13C7 PFUnA	78.9		30 - 130
13C2 PFTeDA	55.5		10 - 130
13C3 PFBS	72.0		40 - 135
13C3 PFHxS	79.1		40 - 130
13C8 PFOS	75.3		40 - 130
13C8 FOSA	69.2		40 - 130
d3-NMeFOSAA	50.1		40 - 170
d5-NEtFOSAA	49.9		25 - 135
13C2 4:2 FTS	62.8		40 - 200
13C2 6:2 FTS	61.7		40 - 200
13C2 8:2 FTS	49.1		40 - 300
13C3 HFPO-DA	80.1		40 - 130
d7-N-MeFOSE-M	50.6		10 - 130
d9-N-EtFOSE-M	46.8		10 - 130
d5-NEtPFOSA	54.7		10 - 130
d3-NMePFOSA	58.3		10 - 130
13C2 PFDoA	75.8		10 - 130
13C3-3:3 FTCA	96.5		20 - 150
13C3-5:3 FTCA	82.2		20 - 150
13C3-PFDoS	49.5		20 - 150

Lab Sample ID: LLCS 410-861121/21-A

Matrix: Water

Analysis Batch: 861443

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 861121

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	8.00	9.19		ng/L		115	70 - 140
Perfluoropentanoic acid (PFPeA)	4.00	4.46		ng/L		111	65 - 135
Perfluorohexanoic acid (PFHxA)	4.00	4.41		ng/L		110	70 - 145
Perfluoroheptanoic acid (PFHpA)	4.00	4.93		ng/L		123	70 - 150
Perfluorooctanoic acid (PFOA)	4.00	4.97		ng/L		124	70 - 150
Perfluorononanoic acid (PFNA)	4.00	5.08		ng/L		127	70 - 150
Perfluorodecanoic acid (PFDA)	4.00	4.40		ng/L		110	70 - 140
Perfluoroundecanoic acid (PFUnA)	4.00	4.76		ng/L		119	70 - 145
Perfluorododecanoic acid (PFDoA)	4.00	3.82		ng/L		96	70 - 140
Perfluorotridecanoic acid (PFTTrDA)	4.00	5.55		ng/L		139	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	4.00	5.37		ng/L		134	60 - 140
Perfluorobutanesulfonic acid (PFBS)	3.55	4.02		ng/L		113	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	3.76	4.15		ng/L		110	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	3.65	4.79		ng/L		131	65 - 145

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 410-861121/21-A

Matrix: Water

Analysis Batch: 861443

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 861121

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroheptanesulfonic acid (PFHpS)	3.82	3.90		ng/L		102	70 - 150
Perfluorooctanesulfonic acid (PFOS)	3.72	4.54		ng/L		122	55 - 150
Perfluorononanesulfonic acid (PFNS)	3.85	3.46		ng/L		90	65 - 145
Perfluorodecanesulfonic acid (PFDS)	3.86	3.14		ng/L		81	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	3.88	4.36		ng/L		112	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	7.50	8.25		ng/L		110	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	7.62	8.29		ng/L		109	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	7.68	8.33		ng/L		109	60 - 150
Perfluorooctanesulfonamide (PFOSA)	4.00	5.05		ng/L		126	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	4.00	4.08		ng/L		102	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	4.00	4.40		ng/L		110	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.00	4.64		ng/L		116	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.00	4.99		ng/L		125	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	20.0	23.7		ng/L		119	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	20.0	24.0		ng/L		120	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	3.00	3.32		ng/L		111	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.78	4.13		ng/L		109	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.00	5.59		ng/L		140	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.00	4.51		ng/L		113	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.00	5.25		ng/L		131	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	3.74	3.75		ng/L		100	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	3.78	3.28		ng/L		87	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	3.57	3.41		ng/L		96	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	8.00	10.1		ng/L		127	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	20.0	26.0		ng/L		130	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	20.0	20.0		ng/L		100	50 - 145

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	LLCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	79.9		5 - 130
13C5 PFPeA	77.0		40 - 130
13C5 PFHxA	73.8		40 - 130
13C4 PFHpA	69.8		40 - 130
13C8 PFOA	70.6		40 - 130
13C9 PFNA	68.1		40 - 130
13C6 PFDA	67.5		40 - 130
13C7 PFUnA	62.5		30 - 130
13C2 PFTeDA	40.3		10 - 130
13C3 PFBS	65.8		40 - 135
13C3 PFHxS	67.4		40 - 130
13C8 PFOS	68.5		40 - 130
13C8 FOSA	59.2		40 - 130
d3-NMeFOSAA	48.4		40 - 170
d5-NEtFOSAA	44.0		25 - 135
13C2 4:2 FTS	57.9		40 - 200
13C2 6:2 FTS	51.2		40 - 200
13C2 8:2 FTS	52.8		40 - 300
13C3 HFPO-DA	69.7		40 - 130
d7-N-MeFOSE-M	34.5		10 - 130
d9-N-EtFOSE-M	30.4		10 - 130
d5-NEtPFOSA	44.6		10 - 130
d3-NMePFOSA	48.3		10 - 130
13C2 PFDoA	58.1		10 - 130
13C3-3:3 FTCA	88.2		20 - 150
13C3-5:3 FTCA	67.4		20 - 150
13C3-PFDoS	36.0		20 - 150

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 410-831694/1-A
Matrix: Water
Analysis Batch: 832431

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 831694

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chromium	ND		0.0021	0.00057	mg/L		06/09/26 04:50	06/09/26 16:23	1
Nickel	ND		0.0010	0.00041	mg/L		06/09/26 04:50	06/09/26 16:23	1
Manganese	ND		0.0021	0.00098	mg/L		06/09/26 04:50	06/09/26 16:23	1

Lab Sample ID: LCS 410-831694/2-A
Matrix: Water
Analysis Batch: 832431

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 831694

Analyte	Spike Added	LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Chromium	0.500	0.487		mg/L		97	84 - 113
Nickel	0.500	0.495		mg/L		99	85 - 113
Manganese	0.500	0.499		mg/L		100	84 - 113

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 410-285561-8MS

Matrix: Water

Analysis Batch: 832431

Client Sample ID: MW-77

Prep Type: Dissolved

Prep Batch: 831694

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	ND		0.500	0.497		mg/L		99	75 - 125
Nickel	0.0016		0.500	0.495		mg/L		99	75 - 125
Manganese	ND		0.500	0.500		mg/L		100	75 - 125

Lab Sample ID: 410-285561-8MSD

Matrix: Water

Analysis Batch: 832431

Client Sample ID: MW-77

Prep Type: Dissolved

Prep Batch: 831694

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium	ND		0.500	0.495		mg/L		99	75 - 125	0	20
Nickel	0.0016		0.500	0.485		mg/L		97	75 - 125	2	20
Manganese	ND		0.500	0.496		mg/L		99	75 - 125	1	20

Lab Sample ID: 410-285561-8DU

Matrix: Water

Analysis Batch: 832431

Client Sample ID: MW-77

Prep Type: Dissolved

Prep Batch: 831694

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chromium	ND		ND		mg/L		NC	20
Nickel	0.0016		0.00178		mg/L		11	20
Manganese	ND		ND		mg/L		NC	20

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

GC/MS VOA

Analysis Batch: 825910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-285561-27	Trip Blank	Total/NA	Water	8260D	
MB 410-825910/7	Method Blank	Total/NA	Water	8260D	
LCS 410-825910/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-825910/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 831044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-285561-13	MW-33	Total/NA	Water	8260D	
410-285561-14	MW-35	Total/NA	Water	8260D	
410-285561-15	PZ-5	Total/NA	Water	8260D	
MB 410-831044/10	Method Blank	Total/NA	Water	8260D	
LCS 410-831044/7	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-831044/8	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 831496

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-285561-19	MW-80C	Total/NA	Water	8260D	
410-285561-20	MW-58A	Total/NA	Water	8260D	
410-285561-21	MW-58B	Total/NA	Water	8260D	
410-285561-22	MW-58C	Total/NA	Water	8260D	
410-285561-23	MW-83	Total/NA	Water	8260D	
410-285561-24	MW-84A	Total/NA	Water	8260D	
410-285561-25	MW-84B	Total/NA	Water	8260D	
410-285561-26	Duplicate 1	Total/NA	Water	8260D	
MB 410-831496/6	Method Blank	Total/NA	Water	8260D	
LCS 410-831496/5	Lab Control Sample	Total/NA	Water	8260D	
410-285561-25 MS	MW-84B	Total/NA	Water	8260D	
410-285561-25 MSD	MW-84B	Total/NA	Water	8260D	

Analysis Batch: 831502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-285561-12	MW-32	Total/NA	Water	8260D	
410-285561-16	PZ-8	Total/NA	Water	8260D	
410-285561-17	MW-80A	Total/NA	Water	8260D	
410-285561-18	MW-80B	Total/NA	Water	8260D	
MB 410-831502/7	Method Blank	Total/NA	Water	8260D	
LCS 410-831502/5	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-831502/6	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 832697

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-285561-1	MW-57A	Total/NA	Water	8260D	
410-285561-2	MW-57B	Total/NA	Water	8260D	
410-285561-3	MW-57C	Total/NA	Water	8260D	
410-285561-4	MW-78A	Total/NA	Water	8260D	
410-285561-5	MW-78B	Total/NA	Water	8260D	
410-285561-7	Field Blank #1	Total/NA	Water	8260D	
410-285561-10	Trip Blank 20260528	Total/NA	Water	8260D	
MB 410-832697/7	Method Blank	Total/NA	Water	8260D	
LCS 410-832697/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-832697/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

GC/MS VOA

Analysis Batch: 833147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-285561-6	MW-78C	Total/NA	Water	8260D	
410-285561-6 - DL	MW-78C	Total/NA	Water	8260D	
410-285561-8	MW-77	Total/NA	Water	8260D	
410-285561-11	MW-64	Total/NA	Water	8260D	
MB 410-833147/6	Method Blank	Total/NA	Water	8260D	
LCS 410-833147/4	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 863819

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-285561-9	MW-76	Total/NA	Water	8260D	
MB 410-863819/7	Method Blank	Total/NA	Water	8260D	
LCS 410-863819/61	Lab Control Sample	Total/NA	Water	8260D	

HPLC/IC

Analysis Batch: 825993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-285561-1	MW-57A	Dissolved	Water	218.6	
410-285561-2	MW-57B	Dissolved	Water	218.6	
410-285561-3	MW-57C	Dissolved	Water	218.6	
410-285561-4	MW-78A	Dissolved	Water	218.6	
410-285561-5	MW-78B	Dissolved	Water	218.6	
410-285561-6	MW-78C	Dissolved	Water	218.6	
410-285561-7	Field Blank #1	Dissolved	Water	218.6	
410-285561-8	MW-77	Dissolved	Water	218.6	
410-285561-9	MW-76	Dissolved	Water	218.6	
410-285561-11	MW-64	Dissolved	Water	218.6	
MB 410-825993/90	Method Blank	Total/NA	Water	218.6	
LCS 410-825993/89	Lab Control Sample	Total/NA	Water	218.6	
410-285561-8MS	MW-77	Dissolved	Water	218.6	
410-285561-8MSD	MW-77	Dissolved	Water	218.6	
410-285561-8DU	MW-77	Dissolved	Water	218.6	

Analysis Batch: 832127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-285561-1	MW-57A	Dissolved	Water	9056A	832155
410-285561-2	MW-57B	Dissolved	Water	9056A	832155
410-285561-3	MW-57C	Dissolved	Water	9056A	832155
410-285561-4	MW-78A	Dissolved	Water	9056A	832155
410-285561-5	MW-78B	Dissolved	Water	9056A	832155
410-285561-6	MW-78C	Dissolved	Water	9056A	832155
410-285561-7	Field Blank #1	Dissolved	Water	9056A	832155
410-285561-8	MW-77	Dissolved	Water	9056A	832155
410-285561-9	MW-76	Dissolved	Water	9056A	832155
410-285561-11	MW-64	Dissolved	Water	9056A	832155
MB 410-832127/5	Method Blank	Total/NA	Water	9056A	
LCS 410-832127/3	Lab Control Sample	Total/NA	Water	9056A	
LCSD 410-832127/4	Lab Control Sample Dup	Total/NA	Water	9056A	
410-285561-8MS	MW-77	Dissolved	Water	9056A	832155
410-285561-8MSD	MW-77	Dissolved	Water	9056A	832155
410-285561-8DU	MW-77	Dissolved	Water	9056A	832155

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

HPLC/IC

Filtration Batch: 832155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-285561-1	MW-57A	Dissolved	Water	FILTRATION	
410-285561-2	MW-57B	Dissolved	Water	FILTRATION	
410-285561-3	MW-57C	Dissolved	Water	FILTRATION	
410-285561-4	MW-78A	Dissolved	Water	FILTRATION	
410-285561-5	MW-78B	Dissolved	Water	FILTRATION	
410-285561-6	MW-78C	Dissolved	Water	FILTRATION	
410-285561-7	Field Blank #1	Dissolved	Water	FILTRATION	
410-285561-8	MW-77	Dissolved	Water	FILTRATION	
410-285561-9	MW-76	Dissolved	Water	FILTRATION	
410-285561-11	MW-64	Dissolved	Water	FILTRATION	
410-285561-8MS	MW-77	Dissolved	Water	FILTRATION	
410-285561-8MSD	MW-77	Dissolved	Water	FILTRATION	
410-285561-8DU	MW-77	Dissolved	Water	FILTRATION	

LCMS

Analysis Batch: 831174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-831492/9-A	Method Blank	Total/NA	Water	1633A	831492
LCS 410-831492/10-A	Lab Control Sample	Total/NA	Water	1633A	831492
LCSD 410-831492/11-A	Lab Control Sample Dup	Total/NA	Water	1633A	831492
LLCS 410-831492/12-A	Lab Control Sample	Total/NA	Water	1633A	831492

Prep Batch: 831492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-285561-1	MW-57A	Total/NA	Water	1633A	
410-285561-2	MW-57B	Total/NA	Water	1633A	
MB 410-831492/9-A	Method Blank	Total/NA	Water	1633A	
LCS 410-831492/10-A	Lab Control Sample	Total/NA	Water	1633A	
LCSD 410-831492/11-A	Lab Control Sample Dup	Total/NA	Water	1633A	
LLCS 410-831492/12-A	Lab Control Sample	Total/NA	Water	1633A	

Prep Batch: 831748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-285561-3	MW-57C	Total/NA	Water	1633A	
410-285561-4	MW-78A	Total/NA	Water	1633A	
410-285561-5	MW-78B	Total/NA	Water	1633A	
410-285561-6	MW-78C	Total/NA	Water	1633A	
410-285561-7	Field Blank #1	Total/NA	Water	1633A	
410-285561-8	MW-77	Total/NA	Water	1633A	
410-285561-11	MW-64	Total/NA	Water	1633A	
410-285561-12	MW-32	Total/NA	Water	1633A	
410-285561-13	MW-33	Total/NA	Water	1633A	
410-285561-14	MW-35	Total/NA	Water	1633A	
410-285561-15	PZ-5	Total/NA	Water	1633A	
410-285561-16	PZ-8	Total/NA	Water	1633A	
410-285561-17	MW-80A	Total/NA	Water	1633A	
410-285561-18	MW-80B	Total/NA	Water	1633A	
410-285561-19	MW-80C	Total/NA	Water	1633A	
MB 410-831748/10-A	Method Blank	Total/NA	Water	1633A	
LCS 410-831748/11-A	Lab Control Sample	Total/NA	Water	1633A	

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

LCMS (Continued)

Prep Batch: 831748 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 410-831748/12-A	Lab Control Sample Dup	Total/NA	Water	1633A	
LLCS 410-831748/13-A	Lab Control Sample	Total/NA	Water	1633A	

Analysis Batch: 832377

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-285561-3	MW-57C	Total/NA	Water	1633A	831748
410-285561-4	MW-78A	Total/NA	Water	1633A	831748
410-285561-5	MW-78B	Total/NA	Water	1633A	831748
410-285561-6	MW-78C	Total/NA	Water	1633A	831748
410-285561-7	Field Blank #1	Total/NA	Water	1633A	831748
410-285561-8	MW-77	Total/NA	Water	1633A	831748
410-285561-11	MW-64	Total/NA	Water	1633A	831748
410-285561-12	MW-32	Total/NA	Water	1633A	831748
410-285561-13	MW-33	Total/NA	Water	1633A	831748
410-285561-14	MW-35	Total/NA	Water	1633A	831748
410-285561-15	PZ-5	Total/NA	Water	1633A	831748
410-285561-16	PZ-8	Total/NA	Water	1633A	831748
410-285561-17	MW-80A	Total/NA	Water	1633A	831748
410-285561-18	MW-80B	Total/NA	Water	1633A	831748
410-285561-19	MW-80C	Total/NA	Water	1633A	831748
MB 410-831748/10-A	Method Blank	Total/NA	Water	1633A	831748
LCS 410-831748/11-A	Lab Control Sample	Total/NA	Water	1633A	831748
LCSD 410-831748/12-A	Lab Control Sample Dup	Total/NA	Water	1633A	831748
LLCS 410-831748/13-A	Lab Control Sample	Total/NA	Water	1633A	831748

Prep Batch: 832722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-285561-20	MW-58A	Total/NA	Water	1633A	
410-285561-21	MW-58B	Total/NA	Water	1633A	
410-285561-22	MW-58C	Total/NA	Water	1633A	
410-285561-23	MW-83	Total/NA	Water	1633A	
410-285561-24	MW-84A	Total/NA	Water	1633A	
410-285561-25	MW-84B	Total/NA	Water	1633A	
410-285561-26	Duplicate 1	Total/NA	Water	1633A	
MB 410-832722/14-A	Method Blank	Total/NA	Water	1633A	
LCS 410-832722/15-A	Lab Control Sample	Total/NA	Water	1633A	
LLCS 410-832722/16-A	Lab Control Sample	Total/NA	Water	1633A	
410-285561-25 MS	MW-84B	Total/NA	Water	1633A	
410-285561-25 MSD	MW-84B	Total/NA	Water	1633A	

Analysis Batch: 833180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-285561-1	MW-57A	Total/NA	Water	1633A	831492
410-285561-2	MW-57B	Total/NA	Water	1633A	831492

Analysis Batch: 833367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-285561-20	MW-58A	Total/NA	Water	1633A	832722
410-285561-21	MW-58B	Total/NA	Water	1633A	832722
410-285561-22	MW-58C	Total/NA	Water	1633A	832722
410-285561-23	MW-83	Total/NA	Water	1633A	832722

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

LCMS (Continued)

Analysis Batch: 833367 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-285561-24	MW-84A	Total/NA	Water	1633A	832722
410-285561-25	MW-84B	Total/NA	Water	1633A	832722
410-285561-26	Duplicate 1	Total/NA	Water	1633A	832722
MB 410-832722/14-A	Method Blank	Total/NA	Water	1633A	832722
LCS 410-832722/15-A	Lab Control Sample	Total/NA	Water	1633A	832722
LLCS 410-832722/16-A	Lab Control Sample	Total/NA	Water	1633A	832722
410-285561-25 MS	MW-84B	Total/NA	Water	1633A	832722
410-285561-25 MSD	MW-84B	Total/NA	Water	1633A	832722

Prep Batch: 861121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-285561-9	MW-76	Total/NA	Water	1633A	
MB 410-861121/19-A	Method Blank	Total/NA	Water	1633A	
LCS 410-861121/20-A	Lab Control Sample	Total/NA	Water	1633A	
LLCS 410-861121/21-A	Lab Control Sample	Total/NA	Water	1633A	

Analysis Batch: 861443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-285561-9	MW-76	Total/NA	Water	1633A	861121
MB 410-861121/19-A	Method Blank	Total/NA	Water	1633A	861121
LCS 410-861121/20-A	Lab Control Sample	Total/NA	Water	1633A	861121
LLCS 410-861121/21-A	Lab Control Sample	Total/NA	Water	1633A	861121

Metals

Filtration Batch: 827120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-285561-1	MW-57A	Dissolved	Water	Filtration	
410-285561-2	MW-57B	Dissolved	Water	Filtration	
410-285561-3	MW-57C	Dissolved	Water	Filtration	
410-285561-4	MW-78A	Dissolved	Water	Filtration	
410-285561-5	MW-78B	Dissolved	Water	Filtration	
410-285561-6	MW-78C	Dissolved	Water	Filtration	
410-285561-7	Field Blank #1	Dissolved	Water	Filtration	
410-285561-8	MW-77	Dissolved	Water	Filtration	
410-285561-9	MW-76	Dissolved	Water	Filtration	
410-285561-11	MW-64	Dissolved	Water	Filtration	
410-285561-8MS	MW-77	Dissolved	Water	Filtration	
410-285561-8MSD	MW-77	Dissolved	Water	Filtration	
410-285561-8DU	MW-77	Dissolved	Water	Filtration	

Prep Batch: 831694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-285561-1	MW-57A	Dissolved	Water	Non-Digest Prep	827120
410-285561-2	MW-57B	Dissolved	Water	Non-Digest Prep	827120
410-285561-3	MW-57C	Dissolved	Water	Non-Digest Prep	827120
410-285561-4	MW-78A	Dissolved	Water	Non-Digest Prep	827120
410-285561-5	MW-78B	Dissolved	Water	Non-Digest Prep	827120
410-285561-6	MW-78C	Dissolved	Water	Non-Digest Prep	827120
410-285561-7	Field Blank #1	Dissolved	Water	Non-Digest Prep	827120
410-285561-8	MW-77	Dissolved	Water	Non-Digest Prep	827120

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Metals (Continued)

Prep Batch: 831694 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-285561-9	MW-76	Dissolved	Water	Non-Digest Prep	827120
410-285561-11	MW-64	Dissolved	Water	Non-Digest Prep	827120
MB 410-831694/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-831694/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	
410-285561-8MS	MW-77	Dissolved	Water	Non-Digest Prep	827120
410-285561-8MSD	MW-77	Dissolved	Water	Non-Digest Prep	827120
410-285561-8DU	MW-77	Dissolved	Water	Non-Digest Prep	827120

Analysis Batch: 832431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-285561-1	MW-57A	Dissolved	Water	6020B	831694
410-285561-2	MW-57B	Dissolved	Water	6020B	831694
410-285561-3	MW-57C	Dissolved	Water	6020B	831694
410-285561-4	MW-78A	Dissolved	Water	6020B	831694
410-285561-5	MW-78B	Dissolved	Water	6020B	831694
410-285561-6	MW-78C	Dissolved	Water	6020B	831694
410-285561-7	Field Blank #1	Dissolved	Water	6020B	831694
410-285561-8	MW-77	Dissolved	Water	6020B	831694
410-285561-9	MW-76	Dissolved	Water	6020B	831694
410-285561-11	MW-64	Dissolved	Water	6020B	831694
MB 410-831694/1-A	Method Blank	Total/NA	Water	6020B	831694
LCS 410-831694/2-A	Lab Control Sample	Total/NA	Water	6020B	831694
410-285561-8MS	MW-77	Dissolved	Water	6020B	831694
410-285561-8MSD	MW-77	Dissolved	Water	6020B	831694
410-285561-8DU	MW-77	Dissolved	Water	6020B	831694

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-57A

Lab Sample ID: 410-285561-1

Date Collected: 05/28/26 11:35

Matrix: Water

Date Received: 05/28/26 18:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	832697	DVW2	ELLE	06/10/26 13:50
Dissolved	Analysis	218.6		1	825993	RAC6	ELLE	05/29/26 16:19
Dissolved	Filtration	FILTRATION			832155	L4QM	ELLE	06/09/26 15:09
Dissolved	Analysis	9056A		1	832127	L4QM	ELLE	06/09/26 16:00
Total/NA	Prep	1633A			831492	ULU3	ELLE	06/08/26 16:27
Total/NA	Analysis	1633A		1	833180	DX7G	ELLE	06/11/26 02:39
Dissolved	Filtration	Filtration			827120	UDL9	ELLE	06/01/26 10:35
Dissolved	Prep	Non-Digest Prep			831694	UAMX	ELLE	06/09/26 04:50
Dissolved	Analysis	6020B		1	832431	I9IN	ELLE	06/09/26 19:02

Client Sample ID: MW-57B

Lab Sample ID: 410-285561-2

Date Collected: 05/28/26 11:55

Matrix: Water

Date Received: 05/28/26 18:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	832697	DVW2	ELLE	06/10/26 14:10
Dissolved	Analysis	218.6		1	825993	RAC6	ELLE	05/29/26 16:27
Dissolved	Filtration	FILTRATION			832155	L4QM	ELLE	06/09/26 15:09
Dissolved	Analysis	9056A		1	832127	L4QM	ELLE	06/09/26 16:22
Total/NA	Prep	1633A			831492	ULU3	ELLE	06/08/26 16:27
Total/NA	Analysis	1633A		1	833180	DX7G	ELLE	06/11/26 02:52
Dissolved	Filtration	Filtration			827120	UDL9	ELLE	06/01/26 10:35
Dissolved	Prep	Non-Digest Prep			831694	UAMX	ELLE	06/09/26 04:50
Dissolved	Analysis	6020B		1	832431	I9IN	ELLE	06/09/26 19:04

Client Sample ID: MW-57C

Lab Sample ID: 410-285561-3

Date Collected: 05/28/26 12:15

Matrix: Water

Date Received: 05/28/26 18:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	832697	DVW2	ELLE	06/10/26 14:29
Dissolved	Analysis	218.6		1	825993	RAC6	ELLE	05/29/26 16:34
Dissolved	Filtration	FILTRATION			832155	L4QM	ELLE	06/09/26 15:09
Dissolved	Analysis	9056A		1	832127	L4QM	ELLE	06/09/26 16:45
Total/NA	Prep	1633A			831748	GY3C	ELLE	06/09/26 07:04
Total/NA	Analysis	1633A		1	832377	P7EB	ELLE	06/10/26 08:55
Dissolved	Filtration	Filtration			827120	UDL9	ELLE	06/01/26 10:35
Dissolved	Prep	Non-Digest Prep			831694	UAMX	ELLE	06/09/26 04:50
Dissolved	Analysis	6020B		1	832431	I9IN	ELLE	06/09/26 19:06

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-78A

Lab Sample ID: 410-285561-4

Date Collected: 05/28/26 13:30

Matrix: Water

Date Received: 05/28/26 18:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		10	832697	DVW2	ELLE	06/10/26 17:25
Dissolved	Analysis	218.6		1	825993	RAC6	ELLE	05/29/26 16:42
Dissolved	Filtration	FILTRATION			832155	L4QM	ELLE	06/09/26 15:09
Dissolved	Analysis	9056A		1	832127	L4QM	ELLE	06/09/26 17:08
Total/NA	Prep	1633A			831748	GY3C	ELLE	06/09/26 07:04
Total/NA	Analysis	1633A		1	832377	P7EB	ELLE	06/10/26 09:08
Dissolved	Filtration	Filtration			827120	UDL9	ELLE	06/01/26 10:35
Dissolved	Prep	Non-Digest Prep			831694	UAMX	ELLE	06/09/26 04:50
Dissolved	Analysis	6020B		1	832431	I9IN	ELLE	06/09/26 19:08

Client Sample ID: MW-78B

Lab Sample ID: 410-285561-5

Date Collected: 05/28/26 13:55

Matrix: Water

Date Received: 05/28/26 18:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		250	832697	DVW2	ELLE	06/10/26 18:04
Dissolved	Analysis	218.6		1	825993	RAC6	ELLE	05/29/26 16:49
Dissolved	Filtration	FILTRATION			832155	L4QM	ELLE	06/09/26 15:09
Dissolved	Analysis	9056A		1	832127	L4QM	ELLE	06/09/26 17:31
Total/NA	Prep	1633A			831748	GY3C	ELLE	06/09/26 07:04
Total/NA	Analysis	1633A		1	832377	P7EB	ELLE	06/10/26 09:22
Dissolved	Filtration	Filtration			827120	UDL9	ELLE	06/01/26 10:35
Dissolved	Prep	Non-Digest Prep			831694	UAMX	ELLE	06/09/26 04:50
Dissolved	Analysis	6020B		1	832431	I9IN	ELLE	06/09/26 19:18

Client Sample ID: MW-78C

Lab Sample ID: 410-285561-6

Date Collected: 05/28/26 14:15

Matrix: Water

Date Received: 05/28/26 18:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1000	833147	JS6E	ELLE	06/11/26 04:27
Total/NA	Analysis	8260D	DL	10000	833147	JS6E	ELLE	06/11/26 04:46
Dissolved	Analysis	218.6		1	825993	RAC6	ELLE	05/29/26 16:57
Dissolved	Filtration	FILTRATION			832155	L4QM	ELLE	06/09/26 15:09
Dissolved	Analysis	9056A		1	832127	L4QM	ELLE	06/09/26 18:17
Total/NA	Prep	1633A			831748	GY3C	ELLE	06/09/26 07:04
Total/NA	Analysis	1633A		1	832377	P7EB	ELLE	06/10/26 09:35
Dissolved	Filtration	Filtration			827120	UDL9	ELLE	06/01/26 10:35
Dissolved	Prep	Non-Digest Prep			831694	UAMX	ELLE	06/09/26 04:50
Dissolved	Analysis	6020B		1	832431	I9IN	ELLE	06/09/26 19:20

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: Field Blank #1

Lab Sample ID: 410-285561-7

Date Collected: 05/28/26 13:15

Matrix: Water

Date Received: 05/28/26 18:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	832697	DVW2	ELLE	06/10/26 12:52
Dissolved	Analysis	218.6		1	825993	RAC6	ELLE	05/29/26 17:05
Dissolved	Filtration	FILTRATION			832155	L4QM	ELLE	06/09/26 15:09
Dissolved	Analysis	9056A		1	832127	L4QM	ELLE	06/09/26 18:40
Total/NA	Prep	1633A			831748	GY3C	ELLE	06/09/26 07:04
Total/NA	Analysis	1633A		1	832377	P7EB	ELLE	06/10/26 09:49
Dissolved	Filtration	Filtration			827120	UDL9	ELLE	06/01/26 10:35
Dissolved	Prep	Non-Digest Prep			831694	UAMX	ELLE	06/09/26 04:50
Dissolved	Analysis	6020B		1	832431	I9IN	ELLE	06/09/26 19:22

Client Sample ID: MW-77

Lab Sample ID: 410-285561-8

Date Collected: 05/28/26 14:45

Matrix: Water

Date Received: 05/28/26 18:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		100	833147	JS6E	ELLE	06/11/26 03:08
Dissolved	Analysis	218.6		1	825993	RAC6	ELLE	05/29/26 15:49
Dissolved	Filtration	FILTRATION			832155	L4QM	ELLE	06/09/26 15:09
Dissolved	Analysis	9056A		1	832127	L4QM	ELLE	06/09/26 18:51
Total/NA	Prep	1633A			831748	GY3C	ELLE	06/09/26 07:04
Total/NA	Analysis	1633A		1	832377	P7EB	ELLE	06/10/26 10:02
Dissolved	Filtration	Filtration			827120	UDL9	ELLE	06/01/26 10:35
Dissolved	Prep	Non-Digest Prep			831694	UAMX	ELLE	06/09/26 04:50
Dissolved	Analysis	6020B		1	832431	I9IN	ELLE	06/09/26 18:54

Client Sample ID: MW-76

Lab Sample ID: 410-285561-9

Date Collected: 05/28/26 15:15

Matrix: Water

Date Received: 05/28/26 18:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	863819	TQ4J	ELLE	08/06/26 16:09
Dissolved	Analysis	218.6		1	825993	RAC6	ELLE	05/29/26 15:11
Dissolved	Filtration	FILTRATION			832155	L4QM	ELLE	06/09/26 15:09
Dissolved	Analysis	9056A		1	832127	L4QM	ELLE	06/09/26 20:46
Total/NA	Prep	1633A			861121	D5RZ	ELLE	07/31/26 15:43
Total/NA	Analysis	1633A		1	861443	XBL5	ELLE	08/03/26 03:34
Dissolved	Filtration	Filtration			827120	UDL9	ELLE	06/01/26 10:35
Dissolved	Prep	Non-Digest Prep			831694	UAMX	ELLE	06/09/26 04:50
Dissolved	Analysis	6020B		1	832431	I9IN	ELLE	06/09/26 19:24

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: Trip Blank 20260528

Lab Sample ID: 410-285561-10

Date Collected: 05/28/26 00:00

Matrix: Water

Date Received: 05/28/26 18:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	832697	DVW2	ELLE	06/10/26 13:11

Client Sample ID: MW-64

Lab Sample ID: 410-285561-11

Date Collected: 05/28/26 15:50

Matrix: Water

Date Received: 05/28/26 18:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		100	833147	JS6E	ELLE	06/11/26 03:47
Dissolved	Analysis	218.6		1	825993	RAC6	ELLE	05/29/26 15:03
Dissolved	Filtration	FILTRATION			832155	L4QM	ELLE	06/09/26 15:09
Dissolved	Analysis	9056A		1	832127	L4QM	ELLE	06/09/26 21:09
Total/NA	Prep	1633A			831748	GY3C	ELLE	06/09/26 07:04
Total/NA	Analysis	1633A		1	832377	P7EB	ELLE	06/10/26 10:16
Dissolved	Filtration	Filtration			827120	UDL9	ELLE	06/01/26 10:35
Dissolved	Prep	Non-Digest Prep			831694	UAMX	ELLE	06/09/26 04:50
Dissolved	Analysis	6020B		1	832431	I9IN	ELLE	06/09/26 19:26

Client Sample ID: MW-32

Lab Sample ID: 410-285561-12

Date Collected: 05/27/26 08:25

Matrix: Water

Date Received: 05/28/26 18:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	831502	Y6ZN	ELLE	06/09/26 03:45
Total/NA	Prep	1633A			831748	GY3C	ELLE	06/09/26 07:04
Total/NA	Analysis	1633A		1	832377	P7EB	ELLE	06/10/26 10:57

Client Sample ID: MW-33

Lab Sample ID: 410-285561-13

Date Collected: 05/26/26 10:00

Matrix: Water

Date Received: 05/28/26 18:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	831044	PK	ELLE	06/08/26 13:48
Total/NA	Prep	1633A			831748	GY3C	ELLE	06/09/26 07:04
Total/NA	Analysis	1633A		1	832377	P7EB	ELLE	06/10/26 11:10

Client Sample ID: MW-35

Lab Sample ID: 410-285561-14

Date Collected: 05/26/26 10:15

Matrix: Water

Date Received: 05/28/26 18:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	831044	PK	ELLE	06/08/26 13:26
Total/NA	Prep	1633A			831748	GY3C	ELLE	06/09/26 07:04
Total/NA	Analysis	1633A		1	832377	P7EB	ELLE	06/10/26 11:24

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: PZ-5

Date Collected: 05/26/26 10:45

Date Received: 05/28/26 18:15

Lab Sample ID: 410-285561-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	831044	PK	ELLE	06/08/26 14:10
Total/NA	Prep	1633A			831748	GY3C	ELLE	06/09/26 07:04
Total/NA	Analysis	1633A		1	832377	P7EB	ELLE	06/10/26 11:37

Client Sample ID: PZ-8

Date Collected: 05/27/26 09:20

Date Received: 05/28/26 18:15

Lab Sample ID: 410-285561-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	831502	Y6ZN	ELLE	06/09/26 04:06
Total/NA	Prep	1633A			831748	GY3C	ELLE	06/09/26 07:04
Total/NA	Analysis	1633A		1	832377	P7EB	ELLE	06/10/26 11:51

Client Sample ID: MW-80A

Date Collected: 05/27/26 10:00

Date Received: 05/28/26 18:15

Lab Sample ID: 410-285561-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	831502	Y6ZN	ELLE	06/09/26 04:26
Total/NA	Prep	1633A			831748	GY3C	ELLE	06/09/26 07:04
Total/NA	Analysis	1633A		1	832377	P7EB	ELLE	06/10/26 12:05

Client Sample ID: MW-80B

Date Collected: 05/27/26 10:15

Date Received: 05/28/26 18:15

Lab Sample ID: 410-285561-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	831502	Y6ZN	ELLE	06/09/26 04:47
Total/NA	Prep	1633A			831748	GY3C	ELLE	06/09/26 07:04
Total/NA	Analysis	1633A		1	832377	P7EB	ELLE	06/10/26 12:18

Client Sample ID: MW-80C

Date Collected: 05/27/26 10:30

Date Received: 05/28/26 18:15

Lab Sample ID: 410-285561-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	831496	Y6ZN	ELLE	06/09/26 00:24
Total/NA	Prep	1633A			831748	GY3C	ELLE	06/09/26 07:04
Total/NA	Analysis	1633A		1	832377	P7EB	ELLE	06/10/26 12:32

Client Sample ID: MW-58A

Date Collected: 05/27/26 12:00

Date Received: 05/28/26 18:15

Lab Sample ID: 410-285561-20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	831496	Y6ZN	ELLE	06/09/26 00:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-58A

Date Collected: 05/27/26 12:00

Date Received: 05/28/26 18:15

Lab Sample ID: 410-285561-20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633A			832722	GY3C	ELLE	06/10/26 09:29
Total/NA	Analysis	1633A		1	833367	QY4X	ELLE	06/11/26 11:21

Client Sample ID: MW-58B

Date Collected: 05/27/26 12:15

Date Received: 05/28/26 18:15

Lab Sample ID: 410-285561-21

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	831496	Y6ZN	ELLE	06/09/26 01:08
Total/NA	Prep	1633A			832722	GY3C	ELLE	06/10/26 09:29
Total/NA	Analysis	1633A		1	833367	QY4X	ELLE	06/11/26 11:48

Client Sample ID: MW-58C

Date Collected: 05/27/26 12:30

Date Received: 05/28/26 18:15

Lab Sample ID: 410-285561-22

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	831496	Y6ZN	ELLE	06/09/26 01:30
Total/NA	Prep	1633A			832722	GY3C	ELLE	06/10/26 09:29
Total/NA	Analysis	1633A		1	833367	QY4X	ELLE	06/11/26 12:02

Client Sample ID: MW-83

Date Collected: 05/27/26 14:15

Date Received: 05/28/26 18:15

Lab Sample ID: 410-285561-23

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	831496	Y6ZN	ELLE	06/09/26 01:52
Total/NA	Prep	1633A			832722	GY3C	ELLE	06/10/26 09:29
Total/NA	Analysis	1633A		1	833367	QY4X	ELLE	06/11/26 12:16

Client Sample ID: MW-84A

Date Collected: 05/27/26 14:30

Date Received: 05/28/26 18:15

Lab Sample ID: 410-285561-24

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	831496	Y6ZN	ELLE	06/09/26 02:14
Total/NA	Prep	1633A			832722	GY3C	ELLE	06/10/26 09:29
Total/NA	Analysis	1633A		1	833367	QY4X	ELLE	06/11/26 12:29

Client Sample ID: MW-84B

Date Collected: 05/27/26 15:00

Date Received: 05/28/26 18:15

Lab Sample ID: 410-285561-25

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	831496	Y6ZN	ELLE	06/09/26 03:20

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Client Sample ID: MW-84B

Date Collected: 05/27/26 15:00

Date Received: 05/28/26 18:15

Lab Sample ID: 410-285561-25

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633A			832722	GY3C	ELLE	06/10/26 09:29
Total/NA	Analysis	1633A		1	833367	QY4X	ELLE	06/11/26 12:43

Client Sample ID: Duplicate 1

Date Collected: 05/27/26 14:45

Date Received: 05/28/26 18:15

Lab Sample ID: 410-285561-26

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	831496	Y6ZN	ELLE	06/09/26 02:36
Total/NA	Prep	1633A			832722	GY3C	ELLE	06/10/26 09:29
Total/NA	Analysis	1633A		1	833367	QY4X	ELLE	06/11/26 13:24

Client Sample ID: Trip Blank

Date Collected: 05/07/26 00:00

Date Received: 05/28/26 18:15

Lab Sample ID: 410-285561-27

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	825910	TQ4J	ELLE	05/29/26 14:39

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Pennsylvania	NELAP	36-00037	01-31-27

Method Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	ELLE
218.6	Chromium, Hexavalent (Ion Chromatography)	EPA	ELLE
9056A	Anions, Ion Chromatography	SW846	ELLE
1633A	Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A	EPA	ELLE
6020B	Metals (ICP/MS)	SW846	ELLE
1633A	Solid-Phase Extraction (SPE)	EPA	ELLE
5030C	Purge and Trap	SW846	ELLE
FILTRATION	Sample Filtration	None	ELLE
Non-Digest Prep	Preparation, Non-Digested Aqueous Metals	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285561-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
410-285561-1	MW-57A	Water	05/28/26 11:35	05/28/26 18:15	Pennsylvania
410-285561-2	MW-57B	Water	05/28/26 11:55	05/28/26 18:15	Pennsylvania
410-285561-3	MW-57C	Water	05/28/26 12:15	05/28/26 18:15	Pennsylvania
410-285561-4	MW-78A	Water	05/28/26 13:30	05/28/26 18:15	Pennsylvania
410-285561-5	MW-78B	Water	05/28/26 13:55	05/28/26 18:15	Pennsylvania
410-285561-6	MW-78C	Water	05/28/26 14:15	05/28/26 18:15	Pennsylvania
410-285561-7	Field Blank #1	Water	05/28/26 13:15	05/28/26 18:15	Pennsylvania
410-285561-8	MW-77	Water	05/28/26 14:45	05/28/26 18:15	Pennsylvania
410-285561-9	MW-76	Water	05/28/26 15:15	05/28/26 18:15	Pennsylvania
410-285561-10	Trip Blank 20260528	Water	05/28/26 00:00	05/28/26 18:15	Pennsylvania
410-285561-11	MW-64	Water	05/28/26 15:50	05/28/26 18:15	Pennsylvania
410-285561-12	MW-32	Water	05/27/26 08:25	05/28/26 18:15	Pennsylvania
410-285561-13	MW-33	Water	05/26/26 10:00	05/28/26 18:15	Pennsylvania
410-285561-14	MW-35	Water	05/26/26 10:15	05/28/26 18:15	Pennsylvania
410-285561-15	PZ-5	Water	05/26/26 10:45	05/28/26 18:15	Pennsylvania
410-285561-16	PZ-8	Water	05/27/26 09:20	05/28/26 18:15	Pennsylvania
410-285561-17	MW-80A	Water	05/27/26 10:00	05/28/26 18:15	Pennsylvania
410-285561-18	MW-80B	Water	05/27/26 10:15	05/28/26 18:15	Pennsylvania
410-285561-19	MW-80C	Water	05/27/26 10:30	05/28/26 18:15	Pennsylvania
410-285561-20	MW-58A	Water	05/27/26 12:00	05/28/26 18:15	Pennsylvania
410-285561-21	MW-58B	Water	05/27/26 12:15	05/28/26 18:15	Pennsylvania
410-285561-22	MW-58C	Water	05/27/26 12:30	05/28/26 18:15	Pennsylvania
410-285561-23	MW-83	Water	05/27/26 14:15	05/28/26 18:15	Pennsylvania
410-285561-24	MW-84A	Water	05/27/26 14:30	05/28/26 18:15	Pennsylvania
410-285561-25	MW-84B	Water	05/27/26 15:00	05/28/26 18:15	Pennsylvania
410-285561-26	Duplicate 1	Water	05/27/26 14:45	05/28/26 18:15	Pennsylvania
410-285561-27	Trip Blank	Water	05/07/26 00:00	05/28/26 18:15	Pennsylvania



410-285561 Chain of Custody

page 1 of 4



Lancaster Laboratories
Environmental

Environmental Analysis Request/Chain of Custody

Acct. # _____ Group # _____ Sample # _____

Client Name: Groundwater & Environmental Services, Inc		Acct #:		Matrix		Analyses Requested										For Lab Use Only															
Project Name/ #: GTAC-Bishop Tube HSCA Site				☐ Tissue		Preservation and Filtration Codes										SF #:															
Site Address: 1 S Malin Road, Malvern, PA 19355				☐ Ground																											
GES PM/CM: Tim Uhler/Derek Yoder				☐ Surface																											
Client Address: 410 Eagleview Blvd, Suite 110 Exton, PA 19341				☐ Potable												SCR #:															
Email report: labreportspae@gesonline.com AND tuhler@gesonline.com				☐ NPDES																											
Invoice needs to be emailed to ges-invoices@gesonline.com. COC must be attached to invoice. Invoice must reference job # 0070462-3020-06				☐ Water																											
State where samples were collected: PA		For Compliance: Yes ☐ No ☒		☐ Sediment																											
Sampler: <u>Derek Yoder</u>		Collection		☐ Composite																											
Sampler Signature: <u>[Signature]</u>				☐ Soil																											
Sample Identification		Date		Time		Grab		Composite		Soil		Water		Other:		Total # of Containers		8260D-TCL VOCs 4.3		6020B- Dissolved Ni, Mn, and Cr		218.6 Chromium, Hexavalent Dissolved		1633A- PFAS		9056- Fluoride Dissolved		Preservation Codes			
MW-57A		5/28/26		1135		G						GW				8		X		X		X		X		X				H = HCl T = Thiosulfate	
MW-57B		5/28/26		1155		G						GW				8		X		X		X		X		X				N = HNO ₃ B = NaOH	
MW-57C		5/28/26		1215		G						GW				8		X		X		X		X		X				S = H ₂ SO ₄ P = H ₃ PO ₄	
MW-78A		5/28/26		1330		G						GW				8		X		X		X		X		X				F = Field Filtered O = Other	
MW-78B		5/28/26		1355		G						GW				8		X		X		X		X		X					
MW-78C		5/28/26		1415		G						GW				8		X		X		X		X		X					
Field Blank #1		5/28/26		1315		G						GW				8		X		X		X		X		X					
MS/MSD		5/28/26		1425		G						GW				6		X		X		X		X		X					
MW-77 (translocated to PR)		5/28/26		1445		G						GW				14		X		X		X		X		X					
MW-76		5/28/26		1515		G						GW				8		X		X		X		X		X					
Turnaround Time Requested (TAT) (please check):		Standard ☒ Rush ☐		Relinquished by:		Date		Time		Received by:		Date		Time																	
(Rush TAT is subject to laboratory approval and surcharges.)				<u>[Signature]</u>		5/28/26		1215		<u>[Signature]</u>																					
Date results are needed:				Relinquished by:		Date		Time		Received by:		Date		Time																	
Rush results requested by (please check):		E-Mail ☐ Phone ☐		Relinquished by:		Date		Time		Received by:		Date		Time																	
E-mail Address: labreportspae@gesonline.com				Relinquished by:		Date		Time		Received by:		Date		Time																	
Phone:				Relinquished by:		Date		Time		Received by:		Date		Time																	
Data Package Options (please check if required)				Relinquished by:		Date		Time		Received by:		Date		Time																	
Type I (Validation/non-CLP) ☐ MA MCP ☐				Relinquished by:		Date		Time		Received by:		Date		Time																	
Type III (Reduced non-CLP) ☐ CT RCP ☐				Relinquished by:		Date		Time		Received by:		Date		Time																	
Type VI (Raw Data Only) ☐ TX TRRP-13 ☐				Relinquished by:		Date		Time		Received by:		Date		Time																	
NJ DKQP ☐ NYSDEC Category ☐ A or ☐ B				Relinquished by Commercial Carrier:						Received by:		Date		Time																	
EDD Required? Yes ☒ No ☐ If yes, format: _____				UPS _____ FedEx _____ Other _____						Temperature upon receipt _____ °C																					

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7045 0717

R.I.-S.4
C.I.-S.4



12.1-5.4
C1.1-5.9

Environmental Analysis Request/Chain of Custody



Lancaster Laboratories
Environmental

Acct. # _____ Group # _____ Sample # _____

Client Name: Groundwater & Environmental Services, Inc		Acct #:		Matrix		Analyses Requested										For Lab Use Only			
Project Name/#: GTAC-Bishop Tube HSCA Site				☐ Tissue ☒ Ground ☐ Surface		Preservation and Filtration Codes										SF #:			
Site Address: 1 S Malin Road, Malvern, PA 19355				☐ Sediment ☐ Potable ☐ NPDES												SCR #:			
GES PM/CM: Tim Uhler/Derek Yoder				☐ Soil ☐ Water ☐ Other:												Preservation Codes H = HCl T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ P = H ₂ PO ₄ F = Field Filtered O = Other			
Client Address: 410 Eagleview Blvd, Suite 110 Exton, PA 19341																			
Email report: labreports@gesonline.com AND tuhler@gesonline.com																			
Invoice needs to be emailed to ges-invoices@gesonline.com. COC must be attached to invoice. Invoice must reference job # 0070462-3020-06																			
State where samples were collected: PA		For Compliance: Yes ☐ No ☒																	
Sampler: Ryan Orlowski/Derek Yoder		Collection																	
Sampler Signature: [Signature]																			
Sample Identification		Date	Time	Grab	Composite	Total # of Containers												Remarks	
MW-32		5-27-26	0945	X		5												Other (O) = Unpreserved	
MW-33		5-26-26	1000	X		7													
MW-35		5-26-26	1015	X		5													
PZ-5		5-26-26	1049	X		5													
PZ-8		5-27-26	0920	X		5													
MW-80A		5-27-26	1000	X		5													
MW-80B		5-27-26	1015	X		5													
MW-80C		5-27-26	1030	X		5													
MW-58A		5-27-26	1200	X		5													
MW-58B		5-27-26	1215	X		5													
Turnaround Time Requested (TAT) (please check):		Standard ☒ Rush ☐		Relinquished by:		Date	Time	Received by:		Date	Time								
(Rush TAT is subject to laboratory approval and surcharges.)				[Signature]		5/27/26	1700	GES Fridge		5/27/26	1700								
Date results are needed:				Relinquished by:		Date	Time	Received by:		Date	Time								
Rush results requested by (please check):		E-Mail ☐ Phone ☐		GES Fridge		5/28/26	1700	[Signature]		5/28/26	1700								
E-mail Address: labreports@gesonline.com				Relinquished by:		Date	Time	Received by:		Date	Time								
Phone:				[Signature]		5/28/26	1815	[Signature]											
Data Package Options (please check if required)				Relinquished by:		Date	Time	Received by:		Date	Time								
Type I (Validation/non-CLP) ☐ MA MCP ☐				[Signature]				[Signature]											
Type III (Reduced non-CLP) ☐ CT RCP ☐				Relinquished by:		Date	Time	Received by:		Date	Time								
Type VI (Raw Data Only) ☐ TX TRRP-13 ☐				[Signature]				[Signature]		5/28/26	1815								
NJ DKQP ☐ NYSDEC Category ☐ A or ☐ B				Relinquished by Commercial Carrier:															
EDD Required? Yes ☒ No ☐ If yes, format: _____				UPS _____ FedEx _____ Other _____								Temperature upon receipt _____ °C							

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7045 0717

121.1-5.4
C1.1-5.4



12.1-5.4
C1.1-5.9

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 410-285561-1

Login Number: 285561

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Montero, Luis

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable, where thermal pres is required ($\leq 6^{\circ}\text{C}$, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temp acceptable, where thermal pres is required ($\leq 6^{\circ}\text{C}$, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	False	Refer to Job Narrative for details.
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	True	
VOA sample vials do not have headspace $> 6\text{mm}$ in diameter (none, if from WV)?	True	



ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Tim Uhler
Groundwater & Environmental Services Inc
410 Eagleview Boulevard
Suite 110
Exton, Pennsylvania 19341-2577

Generated 6/15/2026 11:29:32 AM

JOB DESCRIPTION

GTAC-Bishop Tube HSCA Site

JOB NUMBER

410-285777-1

Eurofins Lancaster Laboratories Environment Testing, LLC

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Authorized for release by
Amek Carter, Project Manager
Loran.Carter@et.eurofinsus.com
(717)556-7252

Generated
6/15/2026 11:29:32 AM

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
 - Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
 - Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
- Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

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WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.



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Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
^c	CCV Recovery is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Analyte was found in the blank.
cn	Refer to Case Narrative for further detail
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

LCMS

Qualifier	Qualifier Description
*5-	Isotope dilution analyte is outside acceptance limits, low biased.
cn	Refer to Case Narrative for further detail
I	Ion ratio outside limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Groundwater & Environmental Services Inc
Project: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Job ID: 410-285777-1

Eurofins Lancaster Laboratories Environment

Job Narrative 410-285777-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 5/29/2026 6:07 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.1°C.

GC/MS VOA

Method 8260D: The method blank for 410-834006 contained 1,2,4-Trichlorobenzene above the method detection limit (MDL). Associated samples were not re-analyzed because the method blank results were less than the reporting limit (RL).

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-834116 recovered above the upper control limit for 4-Methyl-2-pentanone, 2-Hexanone, Acetone and 2-Butanone. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The reporting limits for the GC/MS volatile compounds were raised because sample dilution was necessary to bring target compounds into the calibration range of the system. The associated samples on 410-834116 are: Duplicate #2 (410-285777-11).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

PFAS

Method 1633A: Due to TSS greater than 50 mg/L when compared to a visual standard, the samples were spiked with extracted internal standards, shaken and centrifuged. The aqueous portion was decanted into the original container and extracted. The affected samples are MW-42 (410-285777-4), MW-45B (410-285777-7) and Duplicate #2 (410-285777-11).

Method 1633A: The recovery for labeled isotope(s) ¹³C₃-PFDoS were outside QC acceptance criteria in sample MW-42 (410-285777-4). Since the labeled isotope recoveries were greater than or equal to 5% and the signal to noise was greater than 10:1, therefore, the data is reported.

Method 1633A: The transition mass ratio for Perfluorononanoic acid (PFNA) in sample MW-42 (410-285777-4) in analytical batch 410-833834 was outside of the established ratio limits. However, analyst judgment was used to positively identify the analyte. The analyte is flagged appropriately to identify this exceedance.

Method 1633A: Analyte Perfluoroundecanoic acid (PFUnA) was marked as non-detect for sample MW-38 (410-285777-5) due to a detection below RL and failing ion ratio.

Method 1633A: Analyte Perfluorononanoic acid (PFNA) was marked as non-detect for sample MW-45B (410-285777-7) due to a detection below RL and failing ion ratio.

Method 1633A: The transition mass ratio for Perfluorooctanesulfonic acid (PFOS) in sample MW-45A (410-285777-6) and MW-45C (410-285777-8) in analytical batch 410-833834 was outside of the established ratio limits. However, analyst judgment was used to positively identify the analyte. The analyte is flagged appropriately to identify this exceedance.

Eurofins Lancaster Laboratories Environment Testing, LLC

Case Narrative

Client: Groundwater & Environmental Services Inc
Project: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Job ID: 410-285777-1 (Continued)

Eurofins Lancaster Laboratories Environment

Method 1633A: The transition mass ratio for Perfluorohexanoic acid (PFHxA) in sample MW-45B (410-285777-7) in analytical batch 410-833834 was outside of the established ratio limits. However, analyst judgment was used to positively identify the analyte. The analyte is flagged appropriately to identify this exceedance.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Client Sample ID: MW-40

Lab Sample ID: 410-285777-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1.5		1.0	0.30	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	40		1.0	0.30	ug/L	1		8260D	Total/NA
Acetone	0.83	J	20	0.70	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	19		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	5.5		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	2.7		1.0	0.30	ug/L	1		8260D	Total/NA
Freon 113	0.68	J	10	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	41		1.0	0.30	ug/L	1		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	12		3.2	0.89	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	27		1.6	0.49	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	21		1.6	0.41	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	11		1.6	0.65	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	15		1.6	0.73	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	3.9		1.6	0.41	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	0.85	J	1.6	0.41	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.0		1.6	0.41	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.1		1.6	0.65	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	6.5		1.6	1.1	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	2.2	J	3.2	0.81	ng/L	1		1633A	Total/NA

Client Sample ID: MW-44A

Lab Sample ID: 410-285777-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	7.8		5.0	1.5	ug/L	5		8260D	Total/NA
cis-1,2-Dichloroethene	470		5.0	1.5	ug/L	5		8260D	Total/NA
trans-1,2-Dichloroethene	5.0	J	10	3.5	ug/L	5		8260D	Total/NA
1,1,1-Trichloroethane	240		5.0	1.5	ug/L	5		8260D	Total/NA
Vinyl chloride	2.3	J	5.0	1.5	ug/L	5		8260D	Total/NA
1,1-Dichloroethane	42		5.0	1.5	ug/L	5		8260D	Total/NA
1,1-Dichloroethene	35		5.0	1.5	ug/L	5		8260D	Total/NA
Freon 113	14	J	50	1.5	ug/L	5		8260D	Total/NA
Trichloroethene	480		5.0	1.5	ug/L	5		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	32		2.9	0.79	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	93		1.4	0.43	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	66		1.4	0.36	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	44		1.4	0.58	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	38		1.4	0.65	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	12		1.4	0.36	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	0.64	J	1.4	0.36	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	3.0		1.4	0.36	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.0		1.4	0.58	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	8.6		1.4	0.94	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	32		2.9	0.72	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	1.9	J	2.9	0.72	ng/L	1		1633A	Total/NA

Client Sample ID: MW-44B

Lab Sample ID: 410-285777-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	4.3		2.0	0.60	ug/L	2		8260D	Total/NA
cis-1,2-Dichloroethene	260		2.0	0.60	ug/L	2		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Client Sample ID: MW-44B (Continued)

Lab Sample ID: 410-285777-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
trans-1,2-Dichloroethene	2.4	J	4.0	1.4	ug/L	2		8260D	Total/NA
1,1,1-Trichloroethane	130		2.0	0.60	ug/L	2		8260D	Total/NA
Vinyl chloride	1.4	J	2.0	0.60	ug/L	2		8260D	Total/NA
1,1-Dichloroethane	24		2.0	0.60	ug/L	2		8260D	Total/NA
1,1-Dichloroethene	21		2.0	0.60	ug/L	2		8260D	Total/NA
Freon 113	7.6	J	20	0.60	ug/L	2		8260D	Total/NA
Trichloroethene	290		2.0	0.60	ug/L	2		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	23		3.3	0.90	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	59		1.6	0.49	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	40		1.6	0.41	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	28		1.6	0.65	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	27		1.6	0.73	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	8.6		1.6	0.41	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	1.1	J	1.6	0.41	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.3		1.6	0.41	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.7		1.6	0.65	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	7.7		1.6	1.1	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	19		3.3	0.81	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	1.5	J	3.3	0.81	ng/L	1		1633A	Total/NA

Client Sample ID: MW-42

Lab Sample ID: 410-285777-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	2.8	J	5.0	1.5	ug/L	5		8260D	Total/NA
cis-1,2-Dichloroethene	340		5.0	1.5	ug/L	5		8260D	Total/NA
trans-1,2-Dichloroethene	3.5	J	10	3.5	ug/L	5		8260D	Total/NA
1,1,1-Trichloroethane	160		5.0	1.5	ug/L	5		8260D	Total/NA
1,1-Dichloroethane	38		5.0	1.5	ug/L	5		8260D	Total/NA
1,1-Dichloroethene	36		5.0	1.5	ug/L	5		8260D	Total/NA
Freon 113	19	J	50	1.5	ug/L	5		8260D	Total/NA
Trichloroethene	240		5.0	1.5	ug/L	5		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	21	cn	3.4	0.93	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	49	cn	1.7	0.51	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	30	cn	1.7	0.42	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	22	cn	1.7	0.68	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	24	cn	1.7	0.76	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	10	l cn	1.7	0.42	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	0.76	J cn	1.7	0.42	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.7	cn	1.7	0.42	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.2	cn	1.7	0.68	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	8.8	cn	1.7	1.1	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	7.7	cn	3.4	0.84	ng/L	1		1633A	Total/NA

Client Sample ID: MW-38

Lab Sample ID: 410-285777-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	3.2	J	5.0	1.5	ug/L	5		8260D	Total/NA
cis-1,2-Dichloroethene	360		5.0	1.5	ug/L	5		8260D	Total/NA
Acetone	12	J	100	3.5	ug/L	5		8260D	Total/NA
1,1,1-Trichloroethane	210		5.0	1.5	ug/L	5		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Client Sample ID: MW-38 (Continued)

Lab Sample ID: 410-285777-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	1.7	J	5.0	1.5	ug/L	5		8260D	Total/NA
1,1-Dichloroethane	33		5.0	1.5	ug/L	5		8260D	Total/NA
1,1-Dichloroethene	38		5.0	1.5	ug/L	5		8260D	Total/NA
Freon 113	17	J	50	1.5	ug/L	5		8260D	Total/NA
Trichloroethene	320		5.0	1.5	ug/L	5		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	7.4		3.4	0.92	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	8.5		1.7	0.50	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	7.1		1.7	0.42	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	7.0		1.7	0.67	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	9.2		1.7	0.75	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	4.7		1.7	0.42	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	1.3	J	1.7	0.42	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.0	J	1.7	0.42	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	4.3		1.7	1.1	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	7.4		3.4	0.84	ng/L	1		1633A	Total/NA

Client Sample ID: MW-45A

Lab Sample ID: 410-285777-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.37	J	1.0	0.30	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	34		1.0	0.30	ug/L	1		8260D	Total/NA
Methyl tertiary butyl ether	0.76	J	1.0	0.20	ug/L	1		8260D	Total/NA
Acetone	6.5	J	20	0.70	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	1.9		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	57		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	5.0		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	73		1.0	0.30	ug/L	1		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	25		3.2	0.89	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	100		1.6	0.48	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	66		1.6	0.40	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	15		1.6	0.64	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	18		1.6	0.72	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	5.2		1.6	0.40	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	0.70	J	1.6	0.40	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.5	J	1.6	0.40	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.1		1.6	0.64	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	4.0	I cn	1.6	1.0	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	4.1		3.2	0.81	ng/L	1		1633A	Total/NA

Client Sample ID: MW-45B

Lab Sample ID: 410-285777-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.2		1.0	0.30	ug/L	1		8260D	Total/NA
Methyl tertiary butyl ether	0.20	J	1.0	0.20	ug/L	1		8260D	Total/NA
Acetone	0.77	J	20	0.70	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	2.5		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	0.51	J	1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	2.2		1.0	0.30	ug/L	1		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	2.3	J cn	2.9	0.81	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	3.7	cn	1.5	0.44	ng/L	1		1633A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Client Sample ID: MW-45B (Continued)

Lab Sample ID: 410-285777-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	1.7	I cn	1.5	0.37	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.1	J cn	1.5	0.59	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	1.6	cn	1.5	0.66	ng/L	1		1633A	Total/NA

Client Sample ID: MW-45C

Lab Sample ID: 410-285777-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	78		1.0	0.30	ug/L	1		8260D	Total/NA
Methyl tertiary butyl ether	2.6		1.0	0.20	ug/L	1		8260D	Total/NA
Acetone	3.6	J	20	0.70	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	0.49	J	1.0	0.30	ug/L	1		8260D	Total/NA
Vinyl chloride	0.99	J	1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	36		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	19		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	110		1.0	0.30	ug/L	1		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	15		3.2	0.88	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	35		1.6	0.48	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	21		1.6	0.40	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	11		1.6	0.64	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	12		1.6	0.72	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	2.5		1.6	0.40	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.1	J	1.6	0.40	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.4	J	1.6	0.64	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.7	I cn	1.6	1.0	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	6.1		3.2	0.80	ng/L	1		1633A	Total/NA

Client Sample ID: MW-37

Lab Sample ID: 410-285777-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	7.1		1.0	0.30	ug/L	1		8260D	Total/NA
Acetone	1.4	J	20	0.70	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	2.9		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	2.2		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	0.53	J	1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	5.9		1.0	0.30	ug/L	1		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	8.7		3.2	0.88	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	6.1		1.6	0.48	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	6.0		1.6	0.40	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	4.9		1.6	0.64	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	13		1.6	0.72	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	8.9		1.6	0.40	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	2.0		1.6	0.40	ng/L	1		1633A	Total/NA
Perfluorododecanoic acid (PFDoA)	0.75	J	1.6	0.40	ng/L	1		1633A	Total/NA
Perfluorotridecanoic acid (PFTrDA)	0.59	J	1.6	0.40	ng/L	1		1633A	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.72	J	1.6	0.40	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.5		1.6	0.40	ng/L	1		1633A	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.98	J	1.6	0.40	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.6		1.6	0.64	ng/L	1		1633A	Total/NA
Perfluoroheptanesulfonic acid (PFHpS)	1.0	J	1.6	0.40	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	12		1.6	1.0	ng/L	1		1633A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Client Sample ID: MW-37 (Continued)

Lab Sample ID: 410-285777-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorononanesulfonic acid (PFNS)	0.55	J	1.6	0.40	ng/L	1		1633A	Total/NA
Perfluorodecanesulfonic acid (PFDS)	0.58	J	1.6	0.40	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	1.2	J	3.2	0.80	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	1.8	J	3.2	0.80	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	1.2	J	3.2	0.80	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonamide (PFOSA)	0.94	J	1.6	0.40	ng/L	1		1633A	Total/NA
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.74	J	1.6	0.40	ng/L	1		1633A	Total/NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.84	J	1.6	0.40	ng/L	1		1633A	Total/NA
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.82	J	1.6	0.40	ng/L	1		1633A	Total/NA
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9CI-PF3ONS)	0.60	J	1.6	0.40	ng/L	1		1633A	Total/NA
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11CI-PF3OUdS)	0.55	J	1.6	0.40	ng/L	1		1633A	Total/NA
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.56	J	1.6	0.40	ng/L	1		1633A	Total/NA
3-Perfluoropropylpropanoic acid (3:3 FTCA)	1.6	J	3.2	0.80	ng/L	1		1633A	Total/NA
3-Perfluoropentylpropanoic acid (5:3 FTCA)	4.0	J	8.0	2.3	ng/L	1		1633A	Total/NA
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.1	J	8.0	2.0	ng/L	1		1633A	Total/NA

Client Sample ID: MW-67

Lab Sample ID: 410-285777-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	8.8	J	20	6.0	ug/L	20		8260D	Total/NA
cis-1,2-Dichloroethene	3200		20	6.0	ug/L	20		8260D	Total/NA
1,1,1-Trichloroethane	83		20	6.0	ug/L	20		8260D	Total/NA
Vinyl chloride	76		20	6.0	ug/L	20		8260D	Total/NA
1,1-Dichloroethane	9.9	J	20	6.0	ug/L	20		8260D	Total/NA
1,1-Dichloroethene	37		20	6.0	ug/L	20		8260D	Total/NA
Trichloroethene	1400		20	6.0	ug/L	20		8260D	Total/NA
Fluoride	0.34		0.20	0.10	mg/L	1		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	170		3.3	0.92	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	510		1.7	0.50	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	290		1.7	0.42	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	180		1.7	0.67	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	180		1.7	0.75	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	54		1.7	0.42	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	2.5		1.7	0.42	ng/L	1		1633A	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.52	J	1.7	0.42	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.6	J	1.7	0.42	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.8		1.7	0.67	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	16		1.7	1.1	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	31		3.3	0.84	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	9.3		3.3	0.84	ng/L	1		1633A	Total/NA
Nickel	0.053		0.0010	0.00041	mg/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Client Sample ID: MW-67 (Continued)

Lab Sample ID: 410-285777-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	1.2		0.0021	0.00098	mg/L	1		6020B	Dissolved

Client Sample ID: Duplicate #2

Lab Sample ID: 410-285777-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	6.5	J cn	20	6.0	ug/L	20		8260D	Total/NA
cis-1,2-Dichloroethene	2900	cn	20	6.0	ug/L	20		8260D	Total/NA
1,1,1-Trichloroethane	83	cn	20	6.0	ug/L	20		8260D	Total/NA
Vinyl chloride	100	cn	20	6.0	ug/L	20		8260D	Total/NA
1,1-Dichloroethane	12	J cn	20	6.0	ug/L	20		8260D	Total/NA
1,1-Dichloroethene	33	cn	20	6.0	ug/L	20		8260D	Total/NA
Trichloroethene	1300	cn	20	6.0	ug/L	20		8260D	Total/NA
Fluoride	0.35		0.20	0.10	mg/L	1		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	170	cn	3.4	0.94	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	530	cn	1.7	0.51	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	270	cn	1.7	0.43	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	190	cn	1.7	0.68	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	180	cn	1.7	0.77	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	57	cn	1.7	0.43	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	1.9	cn	1.7	0.43	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.1	cn	1.7	0.43	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.6	cn	1.7	0.68	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	17	cn	1.7	1.1	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	29	cn	3.4	0.85	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	12	cn	3.4	0.85	ng/L	1		1633A	Total/NA
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.4	J cn	8.5	2.4	ng/L	1		1633A	Total/NA
Nickel	0.014		0.0010	0.00041	mg/L	1		6020B	Dissolved
Manganese	7.9		0.021	0.0098	mg/L	10		6020B	Dissolved

Client Sample ID: MW-74

Lab Sample ID: 410-285777-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	100		20	6.0	ug/L	20		8260D	Total/NA
trans-1,2-Dichloroethene	55		40	14	ug/L	20		8260D	Total/NA
1,1,1-Trichloroethane	650		20	6.0	ug/L	20		8260D	Total/NA
Vinyl chloride	750		20	6.0	ug/L	20		8260D	Total/NA
1,1-Dichloroethane	250		20	6.0	ug/L	20		8260D	Total/NA
1,1-Dichloroethene	510		20	6.0	ug/L	20		8260D	Total/NA
cis-1,2-Dichloroethene - DL	15000		2000	600	ug/L	2000		8260D	Total/NA
Trichloroethene - DL	17000		2000	600	ug/L	2000		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	74		3.0	0.83	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	220		1.5	0.46	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	130		1.5	0.38	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	110		1.5	0.61	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	100		1.5	0.68	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	29		1.5	0.38	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	1.5		1.5	0.38	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.61	J	1.5	0.38	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.3	J	1.5	0.61	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	4.4		1.5	0.99	ng/L	1		1633A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Client Sample ID: MW-74 (Continued)

Lab Sample ID: 410-285777-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	2.0	J	3.0	0.76	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	160		3.0	0.76	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	48		3.0	0.76	ng/L	1		1633A	Total/NA
Nickel	0.0029		0.0010	0.00041	mg/L	1		6020B	Dissolved
Manganese	4.9		0.0021	0.00098	mg/L	1		6020B	Dissolved

Client Sample ID: Trip Blank20260529

Lab Sample ID: 410-285777-13

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Client Sample ID: MW-40

Lab Sample ID: 410-285777-1

Date Collected: 05/29/26 09:25

Matrix: Water

Date Received: 05/29/26 18:07

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/12/26 00:59	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/12/26 00:59	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/12/26 00:59	1
Styrene	ND		5.0	0.30	ug/L			06/12/26 00:59	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/12/26 00:59	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/12/26 00:59	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/12/26 00:59	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/12/26 00:59	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/12/26 00:59	1
Toluene	ND		1.0	0.30	ug/L			06/12/26 00:59	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/12/26 00:59	1
Cyclohexane	ND		5.0	1.0	ug/L			06/12/26 00:59	1
1,2,4-Trichlorobenzene	ND	B cn	5.0	0.30	ug/L			06/12/26 00:59	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/12/26 00:59	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/12/26 00:59	1
Tetrachloroethene	1.5		1.0	0.30	ug/L			06/12/26 00:59	1
cis-1,2-Dichloroethene	40		1.0	0.30	ug/L			06/12/26 00:59	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/12/26 00:59	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/12/26 00:59	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/12/26 00:59	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/12/26 00:59	1
2-Hexanone	ND		10	0.85	ug/L			06/12/26 00:59	1
Acetone	0.83 J		20	0.70	ug/L			06/12/26 00:59	1
Chloroform	ND		1.0	0.30	ug/L			06/12/26 00:59	1
Benzene	ND		1.0	0.30	ug/L			06/12/26 00:59	1
1,1,1-Trichloroethane	19		1.0	0.30	ug/L			06/12/26 00:59	1
Bromomethane	ND		1.0	0.30	ug/L			06/12/26 00:59	1
Chloromethane	ND		2.0	0.55	ug/L			06/12/26 00:59	1
Chloroethane	ND		1.0	0.30	ug/L			06/12/26 00:59	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/12/26 00:59	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/12/26 00:59	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/12/26 00:59	1
Bromoform	ND		4.0	1.0	ug/L			06/12/26 00:59	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/12/26 00:59	1
1,1-Dichloroethane	5.5		1.0	0.30	ug/L			06/12/26 00:59	1
1,1-Dichloroethene	2.7		1.0	0.30	ug/L			06/12/26 00:59	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/12/26 00:59	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/12/26 00:59	1
Freon 113	0.68 J		10	0.30	ug/L			06/12/26 00:59	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/12/26 00:59	1
2-Butanone	ND		10	1.0	ug/L			06/12/26 00:59	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/12/26 00:59	1
Trichloroethene	41		1.0	0.30	ug/L			06/12/26 00:59	1
Methyl acetate	ND		5.0	0.60	ug/L			06/12/26 00:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/12/26 00:59	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/12/26 00:59	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/12/26 00:59	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/12/26 00:59	1

Euofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Client Sample ID: MW-40

Lab Sample ID: 410-285777-1

Date Collected: 05/29/26 09:25

Matrix: Water

Date Received: 05/29/26 18:07

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		80 - 120		06/12/26 00:59	1
Dibromofluoromethane (Surr)	106		80 - 120		06/12/26 00:59	1
4-Bromofluorobenzene (Surr)	93		80 - 120		06/12/26 00:59	1
Toluene-d8 (Surr)	95		80 - 120		06/12/26 00:59	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	12		3.2	0.89	ng/L		06/11/26 07:43	06/12/26 00:38	1
Perfluoropentanoic acid (PFPeA)	27		1.6	0.49	ng/L		06/11/26 07:43	06/12/26 00:38	1
Perfluorohexanoic acid (PFHxA)	21		1.6	0.41	ng/L		06/11/26 07:43	06/12/26 00:38	1
Perfluoroheptanoic acid (PFHpA)	11		1.6	0.65	ng/L		06/11/26 07:43	06/12/26 00:38	1
Perfluorooctanoic acid (PFOA)	15		1.6	0.73	ng/L		06/11/26 07:43	06/12/26 00:38	1
Perfluorononanoic acid (PFNA)	3.9		1.6	0.41	ng/L		06/11/26 07:43	06/12/26 00:38	1
Perfluorodecanoic acid (PFDA)	0.85 J		1.6	0.41	ng/L		06/11/26 07:43	06/12/26 00:38	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.41	ng/L		06/11/26 07:43	06/12/26 00:38	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.41	ng/L		06/11/26 07:43	06/12/26 00:38	1
Perfluorotridecanoic acid (PFTrDA)	ND		1.6	0.41	ng/L		06/11/26 07:43	06/12/26 00:38	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.6	0.41	ng/L		06/11/26 07:43	06/12/26 00:38	1
Perfluorobutanesulfonic acid (PFBS)	2.0		1.6	0.41	ng/L		06/11/26 07:43	06/12/26 00:38	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.6	0.41	ng/L		06/11/26 07:43	06/12/26 00:38	1
Perfluorohexanesulfonic acid (PFHxS)	2.1		1.6	0.65	ng/L		06/11/26 07:43	06/12/26 00:38	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.6	0.41	ng/L		06/11/26 07:43	06/12/26 00:38	1
Perfluorooctanesulfonic acid (PFOS)	6.5		1.6	1.1	ng/L		06/11/26 07:43	06/12/26 00:38	1
Perfluorononanesulfonic acid (PFNS)	ND		1.6	0.41	ng/L		06/11/26 07:43	06/12/26 00:38	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.41	ng/L		06/11/26 07:43	06/12/26 00:38	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.6	0.49	ng/L		06/11/26 07:43	06/12/26 00:38	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.2	0.81	ng/L		06/11/26 07:43	06/12/26 00:38	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	2.2 J		3.2	0.81	ng/L		06/11/26 07:43	06/12/26 00:38	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.2	0.81	ng/L		06/11/26 07:43	06/12/26 00:38	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.6	0.41	ng/L		06/11/26 07:43	06/12/26 00:38	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.6	0.41	ng/L		06/11/26 07:43	06/12/26 00:38	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.6	0.89	ng/L		06/11/26 07:43	06/12/26 00:38	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.6	0.41	ng/L		06/11/26 07:43	06/12/26 00:38	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.6	0.41	ng/L		06/11/26 07:43	06/12/26 00:38	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.1	3.2	ng/L		06/11/26 07:43	06/12/26 00:38	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.1	3.2	ng/L		06/11/26 07:43	06/12/26 00:38	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.6	1.1	ng/L		06/11/26 07:43	06/12/26 00:38	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Client Sample ID: MW-40

Lab Sample ID: 410-285777-1

Date Collected: 05/29/26 09:25

Matrix: Water

Date Received: 05/29/26 18:07

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.6	0.41	ng/L		06/11/26 07:43	06/12/26 00:38	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.6	0.41	ng/L		06/11/26 07:43	06/12/26 00:38	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.6	0.41	ng/L		06/11/26 07:43	06/12/26 00:38	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.6	0.41	ng/L		06/11/26 07:43	06/12/26 00:38	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		1.6	0.41	ng/L		06/11/26 07:43	06/12/26 00:38	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.6	0.41	ng/L		06/11/26 07:43	06/12/26 00:38	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.6	0.41	ng/L		06/11/26 07:43	06/12/26 00:38	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.2	0.81	ng/L		06/11/26 07:43	06/12/26 00:38	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		8.1	2.3	ng/L		06/11/26 07:43	06/12/26 00:38	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.1	2.0	ng/L		06/11/26 07:43	06/12/26 00:38	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	86.7		5 - 130	06/11/26 07:43	06/12/26 00:38	1
13C5 PFPeA	90.5		40 - 130	06/11/26 07:43	06/12/26 00:38	1
13C5 PFHxA	85.6		40 - 130	06/11/26 07:43	06/12/26 00:38	1
13C4 PFHpA	92.1		40 - 130	06/11/26 07:43	06/12/26 00:38	1
13C8 PFOA	89.6		40 - 130	06/11/26 07:43	06/12/26 00:38	1
13C9 PFNA	86.9		40 - 130	06/11/26 07:43	06/12/26 00:38	1
13C6 PFDA	78.6		40 - 130	06/11/26 07:43	06/12/26 00:38	1
13C7 PFUnA	80.3		30 - 130	06/11/26 07:43	06/12/26 00:38	1
13C2 PFTeDA	68.6		10 - 130	06/11/26 07:43	06/12/26 00:38	1
13C3 PFBS	91.6		40 - 135	06/11/26 07:43	06/12/26 00:38	1
13C3 PFHxS	88.5		40 - 130	06/11/26 07:43	06/12/26 00:38	1
13C8 PFOS	83.4		40 - 130	06/11/26 07:43	06/12/26 00:38	1
13C8 FOSA	79.2		40 - 130	06/11/26 07:43	06/12/26 00:38	1
d3-NMeFOSAA	79.8		40 - 170	06/11/26 07:43	06/12/26 00:38	1
d5-NEtFOSAA	78.1		25 - 135	06/11/26 07:43	06/12/26 00:38	1
13C2 4:2 FTS	107		40 - 200	06/11/26 07:43	06/12/26 00:38	1
13C2 6:2 FTS	87.8		40 - 200	06/11/26 07:43	06/12/26 00:38	1
13C2 8:2 FTS	96.7		40 - 300	06/11/26 07:43	06/12/26 00:38	1
13C3 HFPO-DA	85.1		40 - 130	06/11/26 07:43	06/12/26 00:38	1
d7-N-MeFOSE-M	59.8		10 - 130	06/11/26 07:43	06/12/26 00:38	1
d9-N-EtFOSE-M	58.3		10 - 130	06/11/26 07:43	06/12/26 00:38	1
d5-NEtPFOSA	67.5		10 - 130	06/11/26 07:43	06/12/26 00:38	1
d3-NMePFOSA	70.7		10 - 130	06/11/26 07:43	06/12/26 00:38	1
13C2 PFDoA	71.1		10 - 130	06/11/26 07:43	06/12/26 00:38	1
13C3-3:3 FTCA	128		20 - 150	06/11/26 07:43	06/12/26 00:38	1
13C3-5:3 FTCA	96.3		20 - 150	06/11/26 07:43	06/12/26 00:38	1
13C3-PFDoS	66.5		20 - 150	06/11/26 07:43	06/12/26 00:38	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Client Sample ID: MW-44A

Lab Sample ID: 410-285777-2

Date Collected: 05/29/26 09:40

Matrix: Water

Date Received: 05/29/26 18:07

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		5.0	2.5	ug/L			06/12/26 04:45	5
trans-1,3-Dichloropropene	ND		5.0	1.0	ug/L			06/12/26 04:45	5
Ethylbenzene	ND		5.0	2.0	ug/L			06/12/26 04:45	5
Styrene	ND		25	1.5	ug/L			06/12/26 04:45	5
1,4-Dichlorobenzene	ND		25	1.5	ug/L			06/12/26 04:45	5
1,2-Dibromoethane	ND		5.0	1.0	ug/L			06/12/26 04:45	5
1,2-Dichloroethane	ND		5.0	1.5	ug/L			06/12/26 04:45	5
4-Methyl-2-pentanone	ND		50	2.5	ug/L			06/12/26 04:45	5
Methylcyclohexane	ND		25	2.5	ug/L			06/12/26 04:45	5
Toluene	ND		5.0	1.5	ug/L			06/12/26 04:45	5
Chlorobenzene	ND		5.0	1.5	ug/L			06/12/26 04:45	5
Cyclohexane	ND		25	5.0	ug/L			06/12/26 04:45	5
1,2,4-Trichlorobenzene	ND	B cn	25	1.5	ug/L			06/12/26 04:45	5
Dibromochloromethane	ND		5.0	1.0	ug/L			06/12/26 04:45	5
Xylenes, Total	ND		5.0	2.0	ug/L			06/12/26 04:45	5
Tetrachloroethene	7.8		5.0	1.5	ug/L			06/12/26 04:45	5
cis-1,2-Dichloroethene	470		5.0	1.5	ug/L			06/12/26 04:45	5
trans-1,2-Dichloroethene	5.0 J		10	3.5	ug/L			06/12/26 04:45	5
Methyl tertiary butyl ether	ND		5.0	1.0	ug/L			06/12/26 04:45	5
1,3-Dichlorobenzene	ND		25	3.4	ug/L			06/12/26 04:45	5
Carbon tetrachloride	ND		5.0	1.5	ug/L			06/12/26 04:45	5
2-Hexanone	ND		50	4.3	ug/L			06/12/26 04:45	5
Acetone	ND		100	3.5	ug/L			06/12/26 04:45	5
Chloroform	ND		5.0	1.5	ug/L			06/12/26 04:45	5
Benzene	ND		5.0	1.5	ug/L			06/12/26 04:45	5
1,1,1-Trichloroethane	240		5.0	1.5	ug/L			06/12/26 04:45	5
Bromomethane	ND		5.0	1.5	ug/L			06/12/26 04:45	5
Chloromethane	ND		10	2.8	ug/L			06/12/26 04:45	5
Chloroethane	ND		5.0	1.5	ug/L			06/12/26 04:45	5
Vinyl chloride	2.3 J		5.0	1.5	ug/L			06/12/26 04:45	5
Methylene Chloride	ND		5.0	1.5	ug/L			06/12/26 04:45	5
Carbon disulfide	ND		25	1.5	ug/L			06/12/26 04:45	5
Bromoform	ND		20	5.0	ug/L			06/12/26 04:45	5
Bromodichloromethane	ND		5.0	1.0	ug/L			06/12/26 04:45	5
1,1-Dichloroethane	42		5.0	1.5	ug/L			06/12/26 04:45	5
1,1-Dichloroethene	35		5.0	1.5	ug/L			06/12/26 04:45	5
Trichlorofluoromethane	ND		5.0	1.5	ug/L			06/12/26 04:45	5
Dichlorodifluoromethane	ND		5.0	1.5	ug/L			06/12/26 04:45	5
Freon 113	14 J		50	1.5	ug/L			06/12/26 04:45	5
1,2-Dichloropropane	ND		5.0	1.5	ug/L			06/12/26 04:45	5
2-Butanone	ND		50	5.0	ug/L			06/12/26 04:45	5
1,1,2-Trichloroethane	ND		5.0	1.5	ug/L			06/12/26 04:45	5
Trichloroethene	480		5.0	1.5	ug/L			06/12/26 04:45	5
Methyl acetate	ND		25	3.0	ug/L			06/12/26 04:45	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/L			06/12/26 04:45	5
1,2-Dichlorobenzene	ND		25	1.0	ug/L			06/12/26 04:45	5
1,2-Dibromo-3-Chloropropane	ND		25	1.5	ug/L			06/12/26 04:45	5
Isopropylbenzene	ND		25	1.5	ug/L			06/12/26 04:45	5

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Client Sample ID: MW-44A

Lab Sample ID: 410-285777-2

Date Collected: 05/29/26 09:40

Matrix: Water

Date Received: 05/29/26 18:07

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		80 - 120		06/12/26 04:45	5
Dibromofluoromethane (Surr)	105		80 - 120		06/12/26 04:45	5
4-Bromofluorobenzene (Surr)	93		80 - 120		06/12/26 04:45	5
Toluene-d8 (Surr)	97		80 - 120		06/12/26 04:45	5

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	32		2.9	0.79	ng/L		06/11/26 07:43	06/12/26 00:51	1
Perfluoropentanoic acid (PFPeA)	93		1.4	0.43	ng/L		06/11/26 07:43	06/12/26 00:51	1
Perfluorohexanoic acid (PFHxA)	66		1.4	0.36	ng/L		06/11/26 07:43	06/12/26 00:51	1
Perfluoroheptanoic acid (PFHpA)	44		1.4	0.58	ng/L		06/11/26 07:43	06/12/26 00:51	1
Perfluorooctanoic acid (PFOA)	38		1.4	0.65	ng/L		06/11/26 07:43	06/12/26 00:51	1
Perfluorononanoic acid (PFNA)	12		1.4	0.36	ng/L		06/11/26 07:43	06/12/26 00:51	1
Perfluorodecanoic acid (PFDA)	0.64	J	1.4	0.36	ng/L		06/11/26 07:43	06/12/26 00:51	1
Perfluoroundecanoic acid (PFUnA)	ND		1.4	0.36	ng/L		06/11/26 07:43	06/12/26 00:51	1
Perfluorododecanoic acid (PFDoA)	ND		1.4	0.36	ng/L		06/11/26 07:43	06/12/26 00:51	1
Perfluorotridecanoic acid (PFTrDA)	ND		1.4	0.36	ng/L		06/11/26 07:43	06/12/26 00:51	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.4	0.36	ng/L		06/11/26 07:43	06/12/26 00:51	1
Perfluorobutanesulfonic acid (PFBS)	3.0		1.4	0.36	ng/L		06/11/26 07:43	06/12/26 00:51	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.4	0.36	ng/L		06/11/26 07:43	06/12/26 00:51	1
Perfluorohexanesulfonic acid (PFHxS)	2.0		1.4	0.58	ng/L		06/11/26 07:43	06/12/26 00:51	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.4	0.36	ng/L		06/11/26 07:43	06/12/26 00:51	1
Perfluorooctanesulfonic acid (PFOS)	8.6		1.4	0.94	ng/L		06/11/26 07:43	06/12/26 00:51	1
Perfluorononanesulfonic acid (PFNS)	ND		1.4	0.36	ng/L		06/11/26 07:43	06/12/26 00:51	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.4	0.36	ng/L		06/11/26 07:43	06/12/26 00:51	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.4	0.43	ng/L		06/11/26 07:43	06/12/26 00:51	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.9	0.72	ng/L		06/11/26 07:43	06/12/26 00:51	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	32		2.9	0.72	ng/L		06/11/26 07:43	06/12/26 00:51	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	1.9	J	2.9	0.72	ng/L		06/11/26 07:43	06/12/26 00:51	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.4	0.36	ng/L		06/11/26 07:43	06/12/26 00:51	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.4	0.36	ng/L		06/11/26 07:43	06/12/26 00:51	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.4	0.79	ng/L		06/11/26 07:43	06/12/26 00:51	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.4	0.36	ng/L		06/11/26 07:43	06/12/26 00:51	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.4	0.36	ng/L		06/11/26 07:43	06/12/26 00:51	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		7.2	2.9	ng/L		06/11/26 07:43	06/12/26 00:51	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		7.2	2.9	ng/L		06/11/26 07:43	06/12/26 00:51	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.4	1.0	ng/L		06/11/26 07:43	06/12/26 00:51	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Client Sample ID: MW-44A

Lab Sample ID: 410-285777-2

Date Collected: 05/29/26 09:40

Matrix: Water

Date Received: 05/29/26 18:07

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.4	0.36	ng/L		06/11/26 07:43	06/12/26 00:51	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.4	0.36	ng/L		06/11/26 07:43	06/12/26 00:51	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.4	0.36	ng/L		06/11/26 07:43	06/12/26 00:51	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.4	0.36	ng/L		06/11/26 07:43	06/12/26 00:51	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		1.4	0.36	ng/L		06/11/26 07:43	06/12/26 00:51	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.4	0.36	ng/L		06/11/26 07:43	06/12/26 00:51	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.4	0.36	ng/L		06/11/26 07:43	06/12/26 00:51	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		2.9	0.72	ng/L		06/11/26 07:43	06/12/26 00:51	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		7.2	2.0	ng/L		06/11/26 07:43	06/12/26 00:51	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		7.2	1.8	ng/L		06/11/26 07:43	06/12/26 00:51	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	79.3		5 - 130	06/11/26 07:43	06/12/26 00:51	1
13C5 PFPeA	80.6		40 - 130	06/11/26 07:43	06/12/26 00:51	1
13C5 PFHxA	76.9		40 - 130	06/11/26 07:43	06/12/26 00:51	1
13C4 PFHpA	76.2		40 - 130	06/11/26 07:43	06/12/26 00:51	1
13C8 PFOA	76.3		40 - 130	06/11/26 07:43	06/12/26 00:51	1
13C9 PFNA	75.7		40 - 130	06/11/26 07:43	06/12/26 00:51	1
13C6 PFDA	59.3		40 - 130	06/11/26 07:43	06/12/26 00:51	1
13C7 PFUnA	65.2		30 - 130	06/11/26 07:43	06/12/26 00:51	1
13C2 PFTeDA	56.6		10 - 130	06/11/26 07:43	06/12/26 00:51	1
13C3 PFBS	77.5		40 - 135	06/11/26 07:43	06/12/26 00:51	1
13C3 PFHxS	76.0		40 - 130	06/11/26 07:43	06/12/26 00:51	1
13C8 PFOS	68.0		40 - 130	06/11/26 07:43	06/12/26 00:51	1
13C8 FOSA	65.7		40 - 130	06/11/26 07:43	06/12/26 00:51	1
d3-NMeFOSAA	61.7		40 - 170	06/11/26 07:43	06/12/26 00:51	1
d5-NEtFOSAA	59.2		25 - 135	06/11/26 07:43	06/12/26 00:51	1
13C2 4:2 FTS	90.5		40 - 200	06/11/26 07:43	06/12/26 00:51	1
13C2 6:2 FTS	78.8		40 - 200	06/11/26 07:43	06/12/26 00:51	1
13C2 8:2 FTS	74.2		40 - 300	06/11/26 07:43	06/12/26 00:51	1
13C3 HFPO-DA	79.3		40 - 130	06/11/26 07:43	06/12/26 00:51	1
d7-N-MeFOSE-M	45.8		10 - 130	06/11/26 07:43	06/12/26 00:51	1
d9-N-EtFOSE-M	44.7		10 - 130	06/11/26 07:43	06/12/26 00:51	1
d5-NEtPFOSA	56.3		10 - 130	06/11/26 07:43	06/12/26 00:51	1
d3-NMePFOSA	58.3		10 - 130	06/11/26 07:43	06/12/26 00:51	1
13C2 PFDoA	63.4		10 - 130	06/11/26 07:43	06/12/26 00:51	1
13C3-3:3 FTCA	101		20 - 150	06/11/26 07:43	06/12/26 00:51	1
13C3-5:3 FTCA	87.1		20 - 150	06/11/26 07:43	06/12/26 00:51	1
13C3-PFDoS	54.0		20 - 150	06/11/26 07:43	06/12/26 00:51	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Client Sample ID: MW-44B

Lab Sample ID: 410-285777-3

Date Collected: 05/29/26 09:55

Matrix: Water

Date Received: 05/29/26 18:07

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		2.0	1.0	ug/L			06/12/26 05:30	2
trans-1,3-Dichloropropene	ND		2.0	0.40	ug/L			06/12/26 05:30	2
Ethylbenzene	ND		2.0	0.80	ug/L			06/12/26 05:30	2
Styrene	ND		10	0.60	ug/L			06/12/26 05:30	2
1,4-Dichlorobenzene	ND		10	0.60	ug/L			06/12/26 05:30	2
1,2-Dibromoethane	ND		2.0	0.40	ug/L			06/12/26 05:30	2
1,2-Dichloroethane	ND		2.0	0.60	ug/L			06/12/26 05:30	2
4-Methyl-2-pentanone	ND		20	1.0	ug/L			06/12/26 05:30	2
Methylcyclohexane	ND		10	1.0	ug/L			06/12/26 05:30	2
Toluene	ND		2.0	0.60	ug/L			06/12/26 05:30	2
Chlorobenzene	ND		2.0	0.60	ug/L			06/12/26 05:30	2
Cyclohexane	ND		10	2.0	ug/L			06/12/26 05:30	2
1,2,4-Trichlorobenzene	ND	B cn	10	0.60	ug/L			06/12/26 05:30	2
Dibromochloromethane	ND		2.0	0.40	ug/L			06/12/26 05:30	2
Xylenes, Total	ND		2.0	0.80	ug/L			06/12/26 05:30	2
Tetrachloroethene	4.3		2.0	0.60	ug/L			06/12/26 05:30	2
cis-1,2-Dichloroethene	260		2.0	0.60	ug/L			06/12/26 05:30	2
trans-1,2-Dichloroethene	2.4 J		4.0	1.4	ug/L			06/12/26 05:30	2
Methyl tertiary butyl ether	ND		2.0	0.40	ug/L			06/12/26 05:30	2
1,3-Dichlorobenzene	ND		10	1.4	ug/L			06/12/26 05:30	2
Carbon tetrachloride	ND		2.0	0.60	ug/L			06/12/26 05:30	2
2-Hexanone	ND		20	1.7	ug/L			06/12/26 05:30	2
Acetone	ND		40	1.4	ug/L			06/12/26 05:30	2
Chloroform	ND		2.0	0.60	ug/L			06/12/26 05:30	2
Benzene	ND		2.0	0.60	ug/L			06/12/26 05:30	2
1,1,1-Trichloroethane	130		2.0	0.60	ug/L			06/12/26 05:30	2
Bromomethane	ND		2.0	0.60	ug/L			06/12/26 05:30	2
Chloromethane	ND		4.0	1.1	ug/L			06/12/26 05:30	2
Chloroethane	ND		2.0	0.60	ug/L			06/12/26 05:30	2
Vinyl chloride	1.4 J		2.0	0.60	ug/L			06/12/26 05:30	2
Methylene Chloride	ND		2.0	0.60	ug/L			06/12/26 05:30	2
Carbon disulfide	ND		10	0.60	ug/L			06/12/26 05:30	2
Bromoform	ND		8.0	2.0	ug/L			06/12/26 05:30	2
Bromodichloromethane	ND		2.0	0.40	ug/L			06/12/26 05:30	2
1,1-Dichloroethane	24		2.0	0.60	ug/L			06/12/26 05:30	2
1,1-Dichloroethene	21		2.0	0.60	ug/L			06/12/26 05:30	2
Trichlorofluoromethane	ND		2.0	0.60	ug/L			06/12/26 05:30	2
Dichlorodifluoromethane	ND		2.0	0.60	ug/L			06/12/26 05:30	2
Freon 113	7.6 J		20	0.60	ug/L			06/12/26 05:30	2
1,2-Dichloropropane	ND		2.0	0.60	ug/L			06/12/26 05:30	2
2-Butanone	ND		20	2.0	ug/L			06/12/26 05:30	2
1,1,2-Trichloroethane	ND		2.0	0.60	ug/L			06/12/26 05:30	2
Trichloroethene	290		2.0	0.60	ug/L			06/12/26 05:30	2
Methyl acetate	ND		10	1.2	ug/L			06/12/26 05:30	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.60	ug/L			06/12/26 05:30	2
1,2-Dichlorobenzene	ND		10	0.40	ug/L			06/12/26 05:30	2
1,2-Dibromo-3-Chloropropane	ND		10	0.60	ug/L			06/12/26 05:30	2
Isopropylbenzene	ND		10	0.60	ug/L			06/12/26 05:30	2

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Client Sample ID: MW-44B

Lab Sample ID: 410-285777-3

Date Collected: 05/29/26 09:55

Matrix: Water

Date Received: 05/29/26 18:07

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		80 - 120		06/12/26 05:30	2
Dibromofluoromethane (Surr)	105		80 - 120		06/12/26 05:30	2
4-Bromofluorobenzene (Surr)	91		80 - 120		06/12/26 05:30	2
Toluene-d8 (Surr)	95		80 - 120		06/12/26 05:30	2

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	23		3.3	0.90	ng/L		06/11/26 07:43	06/12/26 01:05	1
Perfluoropentanoic acid (PFPeA)	59		1.6	0.49	ng/L		06/11/26 07:43	06/12/26 01:05	1
Perfluorohexanoic acid (PFHxA)	40		1.6	0.41	ng/L		06/11/26 07:43	06/12/26 01:05	1
Perfluoroheptanoic acid (PFHpA)	28		1.6	0.65	ng/L		06/11/26 07:43	06/12/26 01:05	1
Perfluorooctanoic acid (PFOA)	27		1.6	0.73	ng/L		06/11/26 07:43	06/12/26 01:05	1
Perfluorononanoic acid (PFNA)	8.6		1.6	0.41	ng/L		06/11/26 07:43	06/12/26 01:05	1
Perfluorodecanoic acid (PFDA)	1.1 J		1.6	0.41	ng/L		06/11/26 07:43	06/12/26 01:05	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.41	ng/L		06/11/26 07:43	06/12/26 01:05	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.41	ng/L		06/11/26 07:43	06/12/26 01:05	1
Perfluorotridecanoic acid (PFTrDA)	ND		1.6	0.41	ng/L		06/11/26 07:43	06/12/26 01:05	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.6	0.41	ng/L		06/11/26 07:43	06/12/26 01:05	1
Perfluorobutanesulfonic acid (PFBS)	2.3		1.6	0.41	ng/L		06/11/26 07:43	06/12/26 01:05	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.6	0.41	ng/L		06/11/26 07:43	06/12/26 01:05	1
Perfluorohexanesulfonic acid (PFHxS)	1.7		1.6	0.65	ng/L		06/11/26 07:43	06/12/26 01:05	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.6	0.41	ng/L		06/11/26 07:43	06/12/26 01:05	1
Perfluorooctanesulfonic acid (PFOS)	7.7		1.6	1.1	ng/L		06/11/26 07:43	06/12/26 01:05	1
Perfluorononanesulfonic acid (PFNS)	ND		1.6	0.41	ng/L		06/11/26 07:43	06/12/26 01:05	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.41	ng/L		06/11/26 07:43	06/12/26 01:05	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.6	0.49	ng/L		06/11/26 07:43	06/12/26 01:05	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.3	0.81	ng/L		06/11/26 07:43	06/12/26 01:05	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	19		3.3	0.81	ng/L		06/11/26 07:43	06/12/26 01:05	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	1.5 J		3.3	0.81	ng/L		06/11/26 07:43	06/12/26 01:05	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.6	0.41	ng/L		06/11/26 07:43	06/12/26 01:05	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.6	0.41	ng/L		06/11/26 07:43	06/12/26 01:05	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.6	0.90	ng/L		06/11/26 07:43	06/12/26 01:05	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.6	0.41	ng/L		06/11/26 07:43	06/12/26 01:05	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.6	0.41	ng/L		06/11/26 07:43	06/12/26 01:05	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.1	3.3	ng/L		06/11/26 07:43	06/12/26 01:05	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.1	3.3	ng/L		06/11/26 07:43	06/12/26 01:05	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.6	1.1	ng/L		06/11/26 07:43	06/12/26 01:05	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Client Sample ID: MW-44B

Lab Sample ID: 410-285777-3

Date Collected: 05/29/26 09:55

Matrix: Water

Date Received: 05/29/26 18:07

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.6	0.41	ng/L		06/11/26 07:43	06/12/26 01:05	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.6	0.41	ng/L		06/11/26 07:43	06/12/26 01:05	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.6	0.41	ng/L		06/11/26 07:43	06/12/26 01:05	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.6	0.41	ng/L		06/11/26 07:43	06/12/26 01:05	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		1.6	0.41	ng/L		06/11/26 07:43	06/12/26 01:05	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.6	0.41	ng/L		06/11/26 07:43	06/12/26 01:05	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.6	0.41	ng/L		06/11/26 07:43	06/12/26 01:05	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.3	0.81	ng/L		06/11/26 07:43	06/12/26 01:05	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		8.1	2.3	ng/L		06/11/26 07:43	06/12/26 01:05	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.1	2.0	ng/L		06/11/26 07:43	06/12/26 01:05	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	129		5 - 130				06/11/26 07:43	06/12/26 01:05	1
13C5 PFPeA	88.5		40 - 130				06/11/26 07:43	06/12/26 01:05	1
13C5 PFHxA	81.6		40 - 130				06/11/26 07:43	06/12/26 01:05	1
13C4 PFHpA	84.1		40 - 130				06/11/26 07:43	06/12/26 01:05	1
13C8 PFOA	79.7		40 - 130				06/11/26 07:43	06/12/26 01:05	1
13C9 PFNA	78.5		40 - 130				06/11/26 07:43	06/12/26 01:05	1
13C6 PFDA	67.1		40 - 130				06/11/26 07:43	06/12/26 01:05	1
13C7 PFUnA	68.0		30 - 130				06/11/26 07:43	06/12/26 01:05	1
13C2 PFTeDA	55.7		10 - 130				06/11/26 07:43	06/12/26 01:05	1
13C3 PFBS	83.0		40 - 135				06/11/26 07:43	06/12/26 01:05	1
13C3 PFHxS	79.5		40 - 130				06/11/26 07:43	06/12/26 01:05	1
13C8 PFOS	75.0		40 - 130				06/11/26 07:43	06/12/26 01:05	1
13C8 FOSA	69.3		40 - 130				06/11/26 07:43	06/12/26 01:05	1
d3-NMeFOSAA	67.8		40 - 170				06/11/26 07:43	06/12/26 01:05	1
d5-NEtFOSAA	68.0		25 - 135				06/11/26 07:43	06/12/26 01:05	1
13C2 4:2 FTS	84.8		40 - 200				06/11/26 07:43	06/12/26 01:05	1
13C2 6:2 FTS	83.1		40 - 200				06/11/26 07:43	06/12/26 01:05	1
13C2 8:2 FTS	92.6		40 - 300				06/11/26 07:43	06/12/26 01:05	1
13C3 HFPO-DA	83.8		40 - 130				06/11/26 07:43	06/12/26 01:05	1
d7-N-MeFOSE-M	48.9		10 - 130				06/11/26 07:43	06/12/26 01:05	1
d9-N-EtFOSE-M	44.0		10 - 130				06/11/26 07:43	06/12/26 01:05	1
d5-NEtPFOSA	57.8		10 - 130				06/11/26 07:43	06/12/26 01:05	1
d3-NMePFOSA	60.5		10 - 130				06/11/26 07:43	06/12/26 01:05	1
13C2 PFDoA	63.3		10 - 130				06/11/26 07:43	06/12/26 01:05	1
13C3-3:3 FTCA	111		20 - 150				06/11/26 07:43	06/12/26 01:05	1
13C3-5:3 FTCA	89.5		20 - 150				06/11/26 07:43	06/12/26 01:05	1
13C3-PFDoS	53.6		20 - 150				06/11/26 07:43	06/12/26 01:05	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Client Sample ID: MW-42

Lab Sample ID: 410-285777-4

Date Collected: 05/29/26 11:15

Matrix: Water

Date Received: 05/29/26 18:07

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		5.0	2.5	ug/L			06/12/26 06:15	5
trans-1,3-Dichloropropene	ND		5.0	1.0	ug/L			06/12/26 06:15	5
Ethylbenzene	ND		5.0	2.0	ug/L			06/12/26 06:15	5
Styrene	ND		25	1.5	ug/L			06/12/26 06:15	5
1,4-Dichlorobenzene	ND		25	1.5	ug/L			06/12/26 06:15	5
1,2-Dibromoethane	ND		5.0	1.0	ug/L			06/12/26 06:15	5
1,2-Dichloroethane	ND		5.0	1.5	ug/L			06/12/26 06:15	5
4-Methyl-2-pentanone	ND		50	2.5	ug/L			06/12/26 06:15	5
Methylcyclohexane	ND		25	2.5	ug/L			06/12/26 06:15	5
Toluene	ND		5.0	1.5	ug/L			06/12/26 06:15	5
Chlorobenzene	ND		5.0	1.5	ug/L			06/12/26 06:15	5
Cyclohexane	ND		25	5.0	ug/L			06/12/26 06:15	5
1,2,4-Trichlorobenzene	ND	B cn	25	1.5	ug/L			06/12/26 06:15	5
Dibromochloromethane	ND		5.0	1.0	ug/L			06/12/26 06:15	5
Xylenes, Total	ND		5.0	2.0	ug/L			06/12/26 06:15	5
Tetrachloroethene	2.8	J	5.0	1.5	ug/L			06/12/26 06:15	5
cis-1,2-Dichloroethene	340		5.0	1.5	ug/L			06/12/26 06:15	5
trans-1,2-Dichloroethene	3.5	J	10	3.5	ug/L			06/12/26 06:15	5
Methyl tertiary butyl ether	ND		5.0	1.0	ug/L			06/12/26 06:15	5
1,3-Dichlorobenzene	ND		25	3.4	ug/L			06/12/26 06:15	5
Carbon tetrachloride	ND		5.0	1.5	ug/L			06/12/26 06:15	5
2-Hexanone	ND		50	4.3	ug/L			06/12/26 06:15	5
Acetone	ND		100	3.5	ug/L			06/12/26 06:15	5
Chloroform	ND		5.0	1.5	ug/L			06/12/26 06:15	5
Benzene	ND		5.0	1.5	ug/L			06/12/26 06:15	5
1,1,1-Trichloroethane	160		5.0	1.5	ug/L			06/12/26 06:15	5
Bromomethane	ND		5.0	1.5	ug/L			06/12/26 06:15	5
Chloromethane	ND		10	2.8	ug/L			06/12/26 06:15	5
Chloroethane	ND		5.0	1.5	ug/L			06/12/26 06:15	5
Vinyl chloride	ND		5.0	1.5	ug/L			06/12/26 06:15	5
Methylene Chloride	ND		5.0	1.5	ug/L			06/12/26 06:15	5
Carbon disulfide	ND		25	1.5	ug/L			06/12/26 06:15	5
Bromoform	ND		20	5.0	ug/L			06/12/26 06:15	5
Bromodichloromethane	ND		5.0	1.0	ug/L			06/12/26 06:15	5
1,1-Dichloroethane	38		5.0	1.5	ug/L			06/12/26 06:15	5
1,1-Dichloroethene	36		5.0	1.5	ug/L			06/12/26 06:15	5
Trichlorofluoromethane	ND		5.0	1.5	ug/L			06/12/26 06:15	5
Dichlorodifluoromethane	ND		5.0	1.5	ug/L			06/12/26 06:15	5
Freon 113	19	J	50	1.5	ug/L			06/12/26 06:15	5
1,2-Dichloropropane	ND		5.0	1.5	ug/L			06/12/26 06:15	5
2-Butanone	ND		50	5.0	ug/L			06/12/26 06:15	5
1,1,2-Trichloroethane	ND		5.0	1.5	ug/L			06/12/26 06:15	5
Trichloroethene	240		5.0	1.5	ug/L			06/12/26 06:15	5
Methyl acetate	ND		25	3.0	ug/L			06/12/26 06:15	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/L			06/12/26 06:15	5
1,2-Dichlorobenzene	ND		25	1.0	ug/L			06/12/26 06:15	5
1,2-Dibromo-3-Chloropropane	ND		25	1.5	ug/L			06/12/26 06:15	5
Isopropylbenzene	ND		25	1.5	ug/L			06/12/26 06:15	5

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Client Sample ID: MW-42

Lab Sample ID: 410-285777-4

Date Collected: 05/29/26 11:15

Matrix: Water

Date Received: 05/29/26 18:07

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		06/12/26 06:15	5
Dibromofluoromethane (Surr)	106		80 - 120		06/12/26 06:15	5
4-Bromofluorobenzene (Surr)	89		80 - 120		06/12/26 06:15	5
Toluene-d8 (Surr)	94		80 - 120		06/12/26 06:15	5

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	21	cn	3.4	0.93	ng/L		06/11/26 07:43	06/12/26 01:18	1
Perfluoropentanoic acid (PFPeA)	49	cn	1.7	0.51	ng/L		06/11/26 07:43	06/12/26 01:18	1
Perfluorohexanoic acid (PFHxA)	30	cn	1.7	0.42	ng/L		06/11/26 07:43	06/12/26 01:18	1
Perfluoroheptanoic acid (PFHpA)	22	cn	1.7	0.68	ng/L		06/11/26 07:43	06/12/26 01:18	1
Perfluorooctanoic acid (PFOA)	24	cn	1.7	0.76	ng/L		06/11/26 07:43	06/12/26 01:18	1
Perfluorononanoic acid (PFNA)	10	I cn	1.7	0.42	ng/L		06/11/26 07:43	06/12/26 01:18	1
Perfluorodecanoic acid (PFDA)	0.76	J cn	1.7	0.42	ng/L		06/11/26 07:43	06/12/26 01:18	1
Perfluoroundecanoic acid (PFUnA)	ND	cn	1.7	0.42	ng/L		06/11/26 07:43	06/12/26 01:18	1
Perfluorododecanoic acid (PFDoA)	ND	cn	1.7	0.42	ng/L		06/11/26 07:43	06/12/26 01:18	1
Perfluorotridecanoic acid (PFTrDA)	ND	cn	1.7	0.42	ng/L		06/11/26 07:43	06/12/26 01:18	1
Perfluorotetradecanoic acid (PFTeDA)	ND	cn	1.7	0.42	ng/L		06/11/26 07:43	06/12/26 01:18	1
Perfluorobutanesulfonic acid (PFBS)	2.7	cn	1.7	0.42	ng/L		06/11/26 07:43	06/12/26 01:18	1
Perfluoropentanesulfonic acid (PFPeS)	ND	cn	1.7	0.42	ng/L		06/11/26 07:43	06/12/26 01:18	1
Perfluorohexanesulfonic acid (PFHxS)	2.2	cn	1.7	0.68	ng/L		06/11/26 07:43	06/12/26 01:18	1
Perfluoroheptanesulfonic acid (PFHpS)	ND	cn	1.7	0.42	ng/L		06/11/26 07:43	06/12/26 01:18	1
Perfluorooctanesulfonic acid (PFOS)	8.8	cn	1.7	1.1	ng/L		06/11/26 07:43	06/12/26 01:18	1
Perfluorononanesulfonic acid (PFNS)	ND	cn	1.7	0.42	ng/L		06/11/26 07:43	06/12/26 01:18	1
Perfluorodecanesulfonic acid (PFDS)	ND	cn	1.7	0.42	ng/L		06/11/26 07:43	06/12/26 01:18	1
Perfluorododecanesulfonic acid (PFDoS)	ND	cn	1.7	0.51	ng/L		06/11/26 07:43	06/12/26 01:18	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND	cn	3.4	0.84	ng/L		06/11/26 07:43	06/12/26 01:18	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	7.7	cn	3.4	0.84	ng/L		06/11/26 07:43	06/12/26 01:18	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND	cn	3.4	0.84	ng/L		06/11/26 07:43	06/12/26 01:18	1
Perfluorooctanesulfonamide (PFOSA)	ND	cn	1.7	0.42	ng/L		06/11/26 07:43	06/12/26 01:18	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND	cn	1.7	0.42	ng/L		06/11/26 07:43	06/12/26 01:18	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND	cn	1.7	0.93	ng/L		06/11/26 07:43	06/12/26 01:18	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND	cn	1.7	0.42	ng/L		06/11/26 07:43	06/12/26 01:18	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND	cn	1.7	0.42	ng/L		06/11/26 07:43	06/12/26 01:18	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND	cn	8.4	3.4	ng/L		06/11/26 07:43	06/12/26 01:18	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND	cn	8.4	3.4	ng/L		06/11/26 07:43	06/12/26 01:18	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	cn	1.7	1.2	ng/L		06/11/26 07:43	06/12/26 01:18	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Client Sample ID: MW-42

Lab Sample ID: 410-285777-4

Date Collected: 05/29/26 11:15

Matrix: Water

Date Received: 05/29/26 18:07

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	cn	1.7	0.42	ng/L		06/11/26 07:43	06/12/26 01:18	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	cn	1.7	0.42	ng/L		06/11/26 07:43	06/12/26 01:18	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	cn	1.7	0.42	ng/L		06/11/26 07:43	06/12/26 01:18	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	cn	1.7	0.42	ng/L		06/11/26 07:43	06/12/26 01:18	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND	cn	1.7	0.42	ng/L		06/11/26 07:43	06/12/26 01:18	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND	cn	1.7	0.42	ng/L		06/11/26 07:43	06/12/26 01:18	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND	cn	1.7	0.42	ng/L		06/11/26 07:43	06/12/26 01:18	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND	cn	3.4	0.84	ng/L		06/11/26 07:43	06/12/26 01:18	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND	cn	8.4	2.4	ng/L		06/11/26 07:43	06/12/26 01:18	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND	cn	8.4	2.1	ng/L		06/11/26 07:43	06/12/26 01:18	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	82.7	cn	5 - 130	06/11/26 07:43	06/12/26 01:18	1
13C5 PFPeA	88.7	cn	40 - 130	06/11/26 07:43	06/12/26 01:18	1
13C5 PFHxA	90.0	cn	40 - 130	06/11/26 07:43	06/12/26 01:18	1
13C4 PFHpA	86.9	cn	40 - 130	06/11/26 07:43	06/12/26 01:18	1
13C8 PFOA	83.7	cn	40 - 130	06/11/26 07:43	06/12/26 01:18	1
13C9 PFNA	83.4	cn	40 - 130	06/11/26 07:43	06/12/26 01:18	1
13C6 PFDA	71.9	cn	40 - 130	06/11/26 07:43	06/12/26 01:18	1
13C7 PFUnA	65.6	cn	30 - 130	06/11/26 07:43	06/12/26 01:18	1
13C2 PFTeDA	17.9	cn	10 - 130	06/11/26 07:43	06/12/26 01:18	1
13C3 PFBS	87.8	cn	40 - 135	06/11/26 07:43	06/12/26 01:18	1
13C3 PFHxS	84.2	cn	40 - 130	06/11/26 07:43	06/12/26 01:18	1
13C8 PFOS	80.2	cn	40 - 130	06/11/26 07:43	06/12/26 01:18	1
13C8 FOSA	69.9	cn	40 - 130	06/11/26 07:43	06/12/26 01:18	1
d3-NMeFOSAA	69.6	cn	40 - 170	06/11/26 07:43	06/12/26 01:18	1
d5-NEtFOSAA	62.7	cn	25 - 135	06/11/26 07:43	06/12/26 01:18	1
13C2 4:2 FTS	95.6	cn	40 - 200	06/11/26 07:43	06/12/26 01:18	1
13C2 6:2 FTS	105	cn	40 - 200	06/11/26 07:43	06/12/26 01:18	1
13C2 8:2 FTS	87.7	cn	40 - 300	06/11/26 07:43	06/12/26 01:18	1
13C3 HFPO-DA	80.2	cn	40 - 130	06/11/26 07:43	06/12/26 01:18	1
d7-N-MeFOSE-M	34.2	cn	10 - 130	06/11/26 07:43	06/12/26 01:18	1
d9-N-EtFOSE-M	27.4	cn	10 - 130	06/11/26 07:43	06/12/26 01:18	1
d5-NEtPFOSA	32.6	cn	10 - 130	06/11/26 07:43	06/12/26 01:18	1
d3-NMePFOSA	39.2	cn	10 - 130	06/11/26 07:43	06/12/26 01:18	1
13C2 PFDoA	44.1	cn	10 - 130	06/11/26 07:43	06/12/26 01:18	1
13C3-3:3 FTCA	107	cn	20 - 150	06/11/26 07:43	06/12/26 01:18	1
13C3-5:3 FTCA	93.1	cn	20 - 150	06/11/26 07:43	06/12/26 01:18	1
13C3-PFDoS	19.9	*5- cn	20 - 150	06/11/26 07:43	06/12/26 01:18	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Client Sample ID: MW-38

Lab Sample ID: 410-285777-5

Date Collected: 05/29/26 11:30

Matrix: Water

Date Received: 05/29/26 18:07

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		5.0	2.5	ug/L			06/12/26 07:01	5
trans-1,3-Dichloropropene	ND		5.0	1.0	ug/L			06/12/26 07:01	5
Ethylbenzene	ND		5.0	2.0	ug/L			06/12/26 07:01	5
Styrene	ND		25	1.5	ug/L			06/12/26 07:01	5
1,4-Dichlorobenzene	ND		25	1.5	ug/L			06/12/26 07:01	5
1,2-Dibromoethane	ND		5.0	1.0	ug/L			06/12/26 07:01	5
1,2-Dichloroethane	ND		5.0	1.5	ug/L			06/12/26 07:01	5
4-Methyl-2-pentanone	ND		50	2.5	ug/L			06/12/26 07:01	5
Methylcyclohexane	ND		25	2.5	ug/L			06/12/26 07:01	5
Toluene	ND		5.0	1.5	ug/L			06/12/26 07:01	5
Chlorobenzene	ND		5.0	1.5	ug/L			06/12/26 07:01	5
Cyclohexane	ND		25	5.0	ug/L			06/12/26 07:01	5
1,2,4-Trichlorobenzene	ND	B cn	25	1.5	ug/L			06/12/26 07:01	5
Dibromochloromethane	ND		5.0	1.0	ug/L			06/12/26 07:01	5
Xylenes, Total	ND		5.0	2.0	ug/L			06/12/26 07:01	5
Tetrachloroethene	3.2	J	5.0	1.5	ug/L			06/12/26 07:01	5
cis-1,2-Dichloroethene	360		5.0	1.5	ug/L			06/12/26 07:01	5
trans-1,2-Dichloroethene	ND		10	3.5	ug/L			06/12/26 07:01	5
Methyl tertiary butyl ether	ND		5.0	1.0	ug/L			06/12/26 07:01	5
1,3-Dichlorobenzene	ND		25	3.4	ug/L			06/12/26 07:01	5
Carbon tetrachloride	ND		5.0	1.5	ug/L			06/12/26 07:01	5
2-Hexanone	ND		50	4.3	ug/L			06/12/26 07:01	5
Acetone	12	J	100	3.5	ug/L			06/12/26 07:01	5
Chloroform	ND		5.0	1.5	ug/L			06/12/26 07:01	5
Benzene	ND		5.0	1.5	ug/L			06/12/26 07:01	5
1,1,1-Trichloroethane	210		5.0	1.5	ug/L			06/12/26 07:01	5
Bromomethane	ND		5.0	1.5	ug/L			06/12/26 07:01	5
Chloromethane	ND		10	2.8	ug/L			06/12/26 07:01	5
Chloroethane	ND		5.0	1.5	ug/L			06/12/26 07:01	5
Vinyl chloride	1.7	J	5.0	1.5	ug/L			06/12/26 07:01	5
Methylene Chloride	ND		5.0	1.5	ug/L			06/12/26 07:01	5
Carbon disulfide	ND		25	1.5	ug/L			06/12/26 07:01	5
Bromoform	ND		20	5.0	ug/L			06/12/26 07:01	5
Bromodichloromethane	ND		5.0	1.0	ug/L			06/12/26 07:01	5
1,1-Dichloroethane	33		5.0	1.5	ug/L			06/12/26 07:01	5
1,1-Dichloroethene	38		5.0	1.5	ug/L			06/12/26 07:01	5
Trichlorofluoromethane	ND		5.0	1.5	ug/L			06/12/26 07:01	5
Dichlorodifluoromethane	ND		5.0	1.5	ug/L			06/12/26 07:01	5
Freon 113	17	J	50	1.5	ug/L			06/12/26 07:01	5
1,2-Dichloropropane	ND		5.0	1.5	ug/L			06/12/26 07:01	5
2-Butanone	ND		50	5.0	ug/L			06/12/26 07:01	5
1,1,2-Trichloroethane	ND		5.0	1.5	ug/L			06/12/26 07:01	5
Trichloroethene	320		5.0	1.5	ug/L			06/12/26 07:01	5
Methyl acetate	ND		25	3.0	ug/L			06/12/26 07:01	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/L			06/12/26 07:01	5
1,2-Dichlorobenzene	ND		25	1.0	ug/L			06/12/26 07:01	5
1,2-Dibromo-3-Chloropropane	ND		25	1.5	ug/L			06/12/26 07:01	5
Isopropylbenzene	ND		25	1.5	ug/L			06/12/26 07:01	5

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Client Sample ID: MW-38

Lab Sample ID: 410-285777-5

Date Collected: 05/29/26 11:30

Matrix: Water

Date Received: 05/29/26 18:07

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		06/12/26 07:01	5
Dibromofluoromethane (Surr)	106		80 - 120		06/12/26 07:01	5
4-Bromofluorobenzene (Surr)	92		80 - 120		06/12/26 07:01	5
Toluene-d8 (Surr)	95		80 - 120		06/12/26 07:01	5

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	7.4		3.4	0.92	ng/L		06/11/26 07:43	06/12/26 01:32	1
Perfluoropentanoic acid (PFPeA)	8.5		1.7	0.50	ng/L		06/11/26 07:43	06/12/26 01:32	1
Perfluorohexanoic acid (PFHxA)	7.1		1.7	0.42	ng/L		06/11/26 07:43	06/12/26 01:32	1
Perfluoroheptanoic acid (PFHpA)	7.0		1.7	0.67	ng/L		06/11/26 07:43	06/12/26 01:32	1
Perfluorooctanoic acid (PFOA)	9.2		1.7	0.75	ng/L		06/11/26 07:43	06/12/26 01:32	1
Perfluorononanoic acid (PFNA)	4.7		1.7	0.42	ng/L		06/11/26 07:43	06/12/26 01:32	1
Perfluorodecanoic acid (PFDA)	1.3 J		1.7	0.42	ng/L		06/11/26 07:43	06/12/26 01:32	1
Perfluoroundecanoic acid (PFUnA)	ND	I cn	1.7	0.42	ng/L		06/11/26 07:43	06/12/26 01:32	1
Perfluorododecanoic acid (PFDoA)	ND		1.7	0.42	ng/L		06/11/26 07:43	06/12/26 01:32	1
Perfluorotridecanoic acid (PFTrDA)	ND		1.7	0.42	ng/L		06/11/26 07:43	06/12/26 01:32	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.7	0.42	ng/L		06/11/26 07:43	06/12/26 01:32	1
Perfluorobutanesulfonic acid (PFBS)	1.0 J		1.7	0.42	ng/L		06/11/26 07:43	06/12/26 01:32	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.7	0.42	ng/L		06/11/26 07:43	06/12/26 01:32	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.7	0.67	ng/L		06/11/26 07:43	06/12/26 01:32	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.7	0.42	ng/L		06/11/26 07:43	06/12/26 01:32	1
Perfluorooctanesulfonic acid (PFOS)	4.3		1.7	1.1	ng/L		06/11/26 07:43	06/12/26 01:32	1
Perfluorononanesulfonic acid (PFNS)	ND		1.7	0.42	ng/L		06/11/26 07:43	06/12/26 01:32	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.42	ng/L		06/11/26 07:43	06/12/26 01:32	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.7	0.50	ng/L		06/11/26 07:43	06/12/26 01:32	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.4	0.84	ng/L		06/11/26 07:43	06/12/26 01:32	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	7.4		3.4	0.84	ng/L		06/11/26 07:43	06/12/26 01:32	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.4	0.84	ng/L		06/11/26 07:43	06/12/26 01:32	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.7	0.42	ng/L		06/11/26 07:43	06/12/26 01:32	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.7	0.42	ng/L		06/11/26 07:43	06/12/26 01:32	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.7	0.92	ng/L		06/11/26 07:43	06/12/26 01:32	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.7	0.42	ng/L		06/11/26 07:43	06/12/26 01:32	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.7	0.42	ng/L		06/11/26 07:43	06/12/26 01:32	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.4	3.4	ng/L		06/11/26 07:43	06/12/26 01:32	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.4	3.4	ng/L		06/11/26 07:43	06/12/26 01:32	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.7	1.2	ng/L		06/11/26 07:43	06/12/26 01:32	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.7	0.42	ng/L		06/11/26 07:43	06/12/26 01:32	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Client Sample ID: MW-38

Lab Sample ID: 410-285777-5

Date Collected: 05/29/26 11:30

Matrix: Water

Date Received: 05/29/26 18:07

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.7	0.42	ng/L		06/11/26 07:43	06/12/26 01:32	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.7	0.42	ng/L		06/11/26 07:43	06/12/26 01:32	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.7	0.42	ng/L		06/11/26 07:43	06/12/26 01:32	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	ND		1.7	0.42	ng/L		06/11/26 07:43	06/12/26 01:32	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	ND		1.7	0.42	ng/L		06/11/26 07:43	06/12/26 01:32	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.7	0.42	ng/L		06/11/26 07:43	06/12/26 01:32	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.4	0.84	ng/L		06/11/26 07:43	06/12/26 01:32	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		8.4	2.3	ng/L		06/11/26 07:43	06/12/26 01:32	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.4	2.1	ng/L		06/11/26 07:43	06/12/26 01:32	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	80.1		5 - 130				06/11/26 07:43	06/12/26 01:32	1
13C5 PFPeA	87.1		40 - 130				06/11/26 07:43	06/12/26 01:32	1
13C5 PFHxA	86.1		40 - 130				06/11/26 07:43	06/12/26 01:32	1
13C4 PFHpA	85.4		40 - 130				06/11/26 07:43	06/12/26 01:32	1
13C8 PFOA	81.6		40 - 130				06/11/26 07:43	06/12/26 01:32	1
13C9 PFNA	85.4		40 - 130				06/11/26 07:43	06/12/26 01:32	1
13C6 PFDA	71.6		40 - 130				06/11/26 07:43	06/12/26 01:32	1
13C7 PFUnA	77.4		30 - 130				06/11/26 07:43	06/12/26 01:32	1
13C2 PFTeDA	57.3		10 - 130				06/11/26 07:43	06/12/26 01:32	1
13C3 PFBS	81.6		40 - 135				06/11/26 07:43	06/12/26 01:32	1
13C3 PFHxS	79.5		40 - 130				06/11/26 07:43	06/12/26 01:32	1
13C8 PFOS	81.7		40 - 130				06/11/26 07:43	06/12/26 01:32	1
13C8 FOSA	74.8		40 - 130				06/11/26 07:43	06/12/26 01:32	1
d3-NMeFOSAA	80.9		40 - 170				06/11/26 07:43	06/12/26 01:32	1
d5-NEtFOSAA	71.0		25 - 135				06/11/26 07:43	06/12/26 01:32	1
13C2 4:2 FTS	93.4		40 - 200				06/11/26 07:43	06/12/26 01:32	1
13C2 6:2 FTS	82.4		40 - 200				06/11/26 07:43	06/12/26 01:32	1
13C2 8:2 FTS	85.8		40 - 300				06/11/26 07:43	06/12/26 01:32	1
13C3 HFPO-DA	80.4		40 - 130				06/11/26 07:43	06/12/26 01:32	1
d7-N-MeFOSE-M	51.6		10 - 130				06/11/26 07:43	06/12/26 01:32	1
d9-N-EtFOSE-M	47.2		10 - 130				06/11/26 07:43	06/12/26 01:32	1
d5-NEtPFOSA	63.8		10 - 130				06/11/26 07:43	06/12/26 01:32	1
d3-NMePFOSA	68.0		10 - 130				06/11/26 07:43	06/12/26 01:32	1
13C2 PFDoA	72.0		10 - 130				06/11/26 07:43	06/12/26 01:32	1
13C3-3:3 FTCA	121		20 - 150				06/11/26 07:43	06/12/26 01:32	1
13C3-5:3 FTCA	91.2		20 - 150				06/11/26 07:43	06/12/26 01:32	1
13C3-PFDoS	65.5		20 - 150				06/11/26 07:43	06/12/26 01:32	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Client Sample ID: MW-45A

Lab Sample ID: 410-285777-6

Date Collected: 05/29/26 13:25

Matrix: Water

Date Received: 05/29/26 18:07

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/12/26 01:21	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/12/26 01:21	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/12/26 01:21	1
Styrene	ND		5.0	0.30	ug/L			06/12/26 01:21	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/12/26 01:21	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/12/26 01:21	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/12/26 01:21	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/12/26 01:21	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/12/26 01:21	1
Toluene	ND		1.0	0.30	ug/L			06/12/26 01:21	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/12/26 01:21	1
Cyclohexane	ND		5.0	1.0	ug/L			06/12/26 01:21	1
1,2,4-Trichlorobenzene	ND	B cn	5.0	0.30	ug/L			06/12/26 01:21	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/12/26 01:21	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/12/26 01:21	1
Tetrachloroethene	0.37	J	1.0	0.30	ug/L			06/12/26 01:21	1
cis-1,2-Dichloroethene	34		1.0	0.30	ug/L			06/12/26 01:21	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/12/26 01:21	1
Methyl tertiary butyl ether	0.76	J	1.0	0.20	ug/L			06/12/26 01:21	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/12/26 01:21	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/12/26 01:21	1
2-Hexanone	ND		10	0.85	ug/L			06/12/26 01:21	1
Acetone	6.5	J	20	0.70	ug/L			06/12/26 01:21	1
Chloroform	ND		1.0	0.30	ug/L			06/12/26 01:21	1
Benzene	ND		1.0	0.30	ug/L			06/12/26 01:21	1
1,1,1-Trichloroethane	1.9		1.0	0.30	ug/L			06/12/26 01:21	1
Bromomethane	ND		1.0	0.30	ug/L			06/12/26 01:21	1
Chloromethane	ND		2.0	0.55	ug/L			06/12/26 01:21	1
Chloroethane	ND		1.0	0.30	ug/L			06/12/26 01:21	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/12/26 01:21	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/12/26 01:21	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/12/26 01:21	1
Bromoform	ND		4.0	1.0	ug/L			06/12/26 01:21	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/12/26 01:21	1
1,1-Dichloroethane	57		1.0	0.30	ug/L			06/12/26 01:21	1
1,1-Dichloroethene	5.0		1.0	0.30	ug/L			06/12/26 01:21	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/12/26 01:21	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/12/26 01:21	1
Freon 113	ND		10	0.30	ug/L			06/12/26 01:21	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/12/26 01:21	1
2-Butanone	ND		10	1.0	ug/L			06/12/26 01:21	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/12/26 01:21	1
Trichloroethene	73		1.0	0.30	ug/L			06/12/26 01:21	1
Methyl acetate	ND		5.0	0.60	ug/L			06/12/26 01:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/12/26 01:21	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/12/26 01:21	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/12/26 01:21	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/12/26 01:21	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Client Sample ID: MW-45A

Lab Sample ID: 410-285777-6

Date Collected: 05/29/26 13:25

Matrix: Water

Date Received: 05/29/26 18:07

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		80 - 120		06/12/26 01:21	1
Dibromofluoromethane (Surr)	107		80 - 120		06/12/26 01:21	1
4-Bromofluorobenzene (Surr)	90		80 - 120		06/12/26 01:21	1
Toluene-d8 (Surr)	94		80 - 120		06/12/26 01:21	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	25		3.2	0.89	ng/L		06/11/26 07:43	06/12/26 01:46	1
Perfluoropentanoic acid (PFPeA)	100		1.6	0.48	ng/L		06/11/26 07:43	06/12/26 01:46	1
Perfluorohexanoic acid (PFHxA)	66		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 01:46	1
Perfluoroheptanoic acid (PFHpA)	15		1.6	0.64	ng/L		06/11/26 07:43	06/12/26 01:46	1
Perfluorooctanoic acid (PFOA)	18		1.6	0.72	ng/L		06/11/26 07:43	06/12/26 01:46	1
Perfluorononanoic acid (PFNA)	5.2		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 01:46	1
Perfluorodecanoic acid (PFDA)	0.70	J	1.6	0.40	ng/L		06/11/26 07:43	06/12/26 01:46	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 01:46	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 01:46	1
Perfluorotridecanoic acid (PFTrDA)	ND		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 01:46	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 01:46	1
Perfluorobutanesulfonic acid (PFBS)	1.5	J	1.6	0.40	ng/L		06/11/26 07:43	06/12/26 01:46	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 01:46	1
Perfluorohexanesulfonic acid (PFHxS)	2.1		1.6	0.64	ng/L		06/11/26 07:43	06/12/26 01:46	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 01:46	1
Perfluorooctanesulfonic acid (PFOS)	4.0	I cn	1.6	1.0	ng/L		06/11/26 07:43	06/12/26 01:46	1
Perfluorononanesulfonic acid (PFNS)	ND		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 01:46	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 01:46	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.6	0.48	ng/L		06/11/26 07:43	06/12/26 01:46	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.2	0.81	ng/L		06/11/26 07:43	06/12/26 01:46	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	4.1		3.2	0.81	ng/L		06/11/26 07:43	06/12/26 01:46	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.2	0.81	ng/L		06/11/26 07:43	06/12/26 01:46	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 01:46	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 01:46	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.6	0.89	ng/L		06/11/26 07:43	06/12/26 01:46	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 01:46	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 01:46	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.1	3.2	ng/L		06/11/26 07:43	06/12/26 01:46	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.1	3.2	ng/L		06/11/26 07:43	06/12/26 01:46	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.6	1.1	ng/L		06/11/26 07:43	06/12/26 01:46	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Client Sample ID: MW-45A

Lab Sample ID: 410-285777-6

Date Collected: 05/29/26 13:25

Matrix: Water

Date Received: 05/29/26 18:07

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 01:46	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 01:46	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 01:46	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 01:46	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 01:46	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 01:46	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 01:46	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.2	0.81	ng/L		06/11/26 07:43	06/12/26 01:46	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		8.1	2.3	ng/L		06/11/26 07:43	06/12/26 01:46	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.1	2.0	ng/L		06/11/26 07:43	06/12/26 01:46	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	79.0		5 - 130	06/11/26 07:43	06/12/26 01:46	1
13C5 PFPeA	89.7		40 - 130	06/11/26 07:43	06/12/26 01:46	1
13C5 PFHxA	83.4		40 - 130	06/11/26 07:43	06/12/26 01:46	1
13C4 PFHpA	83.3		40 - 130	06/11/26 07:43	06/12/26 01:46	1
13C8 PFOA	79.0		40 - 130	06/11/26 07:43	06/12/26 01:46	1
13C9 PFNA	84.6		40 - 130	06/11/26 07:43	06/12/26 01:46	1
13C6 PFDA	73.3		40 - 130	06/11/26 07:43	06/12/26 01:46	1
13C7 PFUnA	71.1		30 - 130	06/11/26 07:43	06/12/26 01:46	1
13C2 PFTeDA	57.5		10 - 130	06/11/26 07:43	06/12/26 01:46	1
13C3 PFBS	83.1		40 - 135	06/11/26 07:43	06/12/26 01:46	1
13C3 PFHxS	87.9		40 - 130	06/11/26 07:43	06/12/26 01:46	1
13C8 PFOS	81.1		40 - 130	06/11/26 07:43	06/12/26 01:46	1
13C8 FOSA	74.3		40 - 130	06/11/26 07:43	06/12/26 01:46	1
d3-NMeFOSAA	69.7		40 - 170	06/11/26 07:43	06/12/26 01:46	1
d5-NEtFOSAA	78.4		25 - 135	06/11/26 07:43	06/12/26 01:46	1
13C2 4:2 FTS	88.8		40 - 200	06/11/26 07:43	06/12/26 01:46	1
13C2 6:2 FTS	66.0		40 - 200	06/11/26 07:43	06/12/26 01:46	1
13C2 8:2 FTS	87.6		40 - 300	06/11/26 07:43	06/12/26 01:46	1
13C3 HFPO-DA	81.3		40 - 130	06/11/26 07:43	06/12/26 01:46	1
d7-N-MeFOSE-M	43.4		10 - 130	06/11/26 07:43	06/12/26 01:46	1
d9-N-EtFOSE-M	41.2		10 - 130	06/11/26 07:43	06/12/26 01:46	1
d5-NEtPFOSA	58.3		10 - 130	06/11/26 07:43	06/12/26 01:46	1
d3-NMePFOSA	62.7		10 - 130	06/11/26 07:43	06/12/26 01:46	1
13C2 PFDoA	61.9		10 - 130	06/11/26 07:43	06/12/26 01:46	1
13C3-3:3 FTCA	113		20 - 150	06/11/26 07:43	06/12/26 01:46	1
13C3-5:3 FTCA	92.7		20 - 150	06/11/26 07:43	06/12/26 01:46	1
13C3-PFDoS	58.8		20 - 150	06/11/26 07:43	06/12/26 01:46	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Client Sample ID: MW-45B

Lab Sample ID: 410-285777-7

Date Collected: 05/29/26 13:40

Matrix: Water

Date Received: 05/29/26 18:07

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/12/26 01:44	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/12/26 01:44	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/12/26 01:44	1
Styrene	ND		5.0	0.30	ug/L			06/12/26 01:44	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/12/26 01:44	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/12/26 01:44	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/12/26 01:44	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/12/26 01:44	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/12/26 01:44	1
Toluene	ND		1.0	0.30	ug/L			06/12/26 01:44	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/12/26 01:44	1
Cyclohexane	ND		5.0	1.0	ug/L			06/12/26 01:44	1
1,2,4-Trichlorobenzene	ND	B cn	5.0	0.30	ug/L			06/12/26 01:44	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/12/26 01:44	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/12/26 01:44	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/12/26 01:44	1
cis-1,2-Dichloroethene	2.2		1.0	0.30	ug/L			06/12/26 01:44	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/12/26 01:44	1
Methyl tertiary butyl ether	0.20	J	1.0	0.20	ug/L			06/12/26 01:44	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/12/26 01:44	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/12/26 01:44	1
2-Hexanone	ND		10	0.85	ug/L			06/12/26 01:44	1
Acetone	0.77	J	20	0.70	ug/L			06/12/26 01:44	1
Chloroform	ND		1.0	0.30	ug/L			06/12/26 01:44	1
Benzene	ND		1.0	0.30	ug/L			06/12/26 01:44	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/12/26 01:44	1
Bromomethane	ND		1.0	0.30	ug/L			06/12/26 01:44	1
Chloromethane	ND		2.0	0.55	ug/L			06/12/26 01:44	1
Chloroethane	ND		1.0	0.30	ug/L			06/12/26 01:44	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/12/26 01:44	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/12/26 01:44	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/12/26 01:44	1
Bromoform	ND		4.0	1.0	ug/L			06/12/26 01:44	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/12/26 01:44	1
1,1-Dichloroethane	2.5		1.0	0.30	ug/L			06/12/26 01:44	1
1,1-Dichloroethene	0.51	J	1.0	0.30	ug/L			06/12/26 01:44	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/12/26 01:44	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/12/26 01:44	1
Freon 113	ND		10	0.30	ug/L			06/12/26 01:44	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/12/26 01:44	1
2-Butanone	ND		10	1.0	ug/L			06/12/26 01:44	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/12/26 01:44	1
Trichloroethene	2.2		1.0	0.30	ug/L			06/12/26 01:44	1
Methyl acetate	ND		5.0	0.60	ug/L			06/12/26 01:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/12/26 01:44	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/12/26 01:44	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/12/26 01:44	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/12/26 01:44	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Client Sample ID: MW-45B

Lab Sample ID: 410-285777-7

Date Collected: 05/29/26 13:40

Matrix: Water

Date Received: 05/29/26 18:07

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		06/12/26 01:44	1
Dibromofluoromethane (Surr)	106		80 - 120		06/12/26 01:44	1
4-Bromofluorobenzene (Surr)	92		80 - 120		06/12/26 01:44	1
Toluene-d8 (Surr)	94		80 - 120		06/12/26 01:44	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	2.3	J cn	2.9	0.81	ng/L		06/11/26 07:43	06/12/26 02:26	1
Perfluoropentanoic acid (PFPeA)	3.7	cn	1.5	0.44	ng/L		06/11/26 07:43	06/12/26 02:26	1
Perfluorohexanoic acid (PFHxA)	1.7	I cn	1.5	0.37	ng/L		06/11/26 07:43	06/12/26 02:26	1
Perfluoroheptanoic acid (PFHpA)	1.1	J cn	1.5	0.59	ng/L		06/11/26 07:43	06/12/26 02:26	1
Perfluorooctanoic acid (PFOA)	1.6	cn	1.5	0.66	ng/L		06/11/26 07:43	06/12/26 02:26	1
Perfluorononanoic acid (PFNA)	ND	I cn	1.5	0.37	ng/L		06/11/26 07:43	06/12/26 02:26	1
Perfluorodecanoic acid (PFDA)	ND	cn	1.5	0.37	ng/L		06/11/26 07:43	06/12/26 02:26	1
Perfluoroundecanoic acid (PFUnA)	ND	cn	1.5	0.37	ng/L		06/11/26 07:43	06/12/26 02:26	1
Perfluorododecanoic acid (PFDoA)	ND	cn	1.5	0.37	ng/L		06/11/26 07:43	06/12/26 02:26	1
Perfluorotridecanoic acid (PFTrDA)	ND	cn	1.5	0.37	ng/L		06/11/26 07:43	06/12/26 02:26	1
Perfluorotetradecanoic acid (PFTeDA)	ND	cn	1.5	0.37	ng/L		06/11/26 07:43	06/12/26 02:26	1
Perfluorobutanesulfonic acid (PFBS)	ND	cn	1.5	0.37	ng/L		06/11/26 07:43	06/12/26 02:26	1
Perfluoropentanesulfonic acid (PFPeS)	ND	cn	1.5	0.37	ng/L		06/11/26 07:43	06/12/26 02:26	1
Perfluorohexanesulfonic acid (PFHxS)	ND	cn	1.5	0.59	ng/L		06/11/26 07:43	06/12/26 02:26	1
Perfluoroheptanesulfonic acid (PFHpS)	ND	cn	1.5	0.37	ng/L		06/11/26 07:43	06/12/26 02:26	1
Perfluorooctanesulfonic acid (PFOS)	ND	cn	1.5	0.95	ng/L		06/11/26 07:43	06/12/26 02:26	1
Perfluorononanesulfonic acid (PFNS)	ND	cn	1.5	0.37	ng/L		06/11/26 07:43	06/12/26 02:26	1
Perfluorodecanesulfonic acid (PFDS)	ND	cn	1.5	0.37	ng/L		06/11/26 07:43	06/12/26 02:26	1
Perfluorododecanesulfonic acid (PFDoS)	ND	cn	1.5	0.44	ng/L		06/11/26 07:43	06/12/26 02:26	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND	cn	2.9	0.73	ng/L		06/11/26 07:43	06/12/26 02:26	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND	cn	2.9	0.73	ng/L		06/11/26 07:43	06/12/26 02:26	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND	cn	2.9	0.73	ng/L		06/11/26 07:43	06/12/26 02:26	1
Perfluorooctanesulfonamide (PFOSA)	ND	cn	1.5	0.37	ng/L		06/11/26 07:43	06/12/26 02:26	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND	cn	1.5	0.37	ng/L		06/11/26 07:43	06/12/26 02:26	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND	cn	1.5	0.81	ng/L		06/11/26 07:43	06/12/26 02:26	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND	cn	1.5	0.37	ng/L		06/11/26 07:43	06/12/26 02:26	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND	cn	1.5	0.37	ng/L		06/11/26 07:43	06/12/26 02:26	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND	cn	7.3	2.9	ng/L		06/11/26 07:43	06/12/26 02:26	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND	cn	7.3	2.9	ng/L		06/11/26 07:43	06/12/26 02:26	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	cn	1.5	1.0	ng/L		06/11/26 07:43	06/12/26 02:26	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	cn	1.5	0.37	ng/L		06/11/26 07:43	06/12/26 02:26	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	cn	1.5	0.37	ng/L		06/11/26 07:43	06/12/26 02:26	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Client Sample ID: MW-45B

Lab Sample ID: 410-285777-7

Date Collected: 05/29/26 13:40

Matrix: Water

Date Received: 05/29/26 18:07

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	cn	1.5	0.37	ng/L		06/11/26 07:43	06/12/26 02:26	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	cn	1.5	0.37	ng/L		06/11/26 07:43	06/12/26 02:26	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND	cn	1.5	0.37	ng/L		06/11/26 07:43	06/12/26 02:26	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND	cn	1.5	0.37	ng/L		06/11/26 07:43	06/12/26 02:26	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND	cn	1.5	0.37	ng/L		06/11/26 07:43	06/12/26 02:26	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND	cn	2.9	0.73	ng/L		06/11/26 07:43	06/12/26 02:26	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND	cn	7.3	2.1	ng/L		06/11/26 07:43	06/12/26 02:26	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND	cn	7.3	1.8	ng/L		06/11/26 07:43	06/12/26 02:26	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	78.7	cn	5 - 130	06/11/26 07:43	06/12/26 02:26	1
13C5 PFPeA	81.7	cn	40 - 130	06/11/26 07:43	06/12/26 02:26	1
13C5 PFHxA	80.0	cn	40 - 130	06/11/26 07:43	06/12/26 02:26	1
13C4 PFHpA	80.8	cn	40 - 130	06/11/26 07:43	06/12/26 02:26	1
13C8 PFOA	78.7	cn	40 - 130	06/11/26 07:43	06/12/26 02:26	1
13C9 PFNA	78.1	cn	40 - 130	06/11/26 07:43	06/12/26 02:26	1
13C6 PFDA	72.2	cn	40 - 130	06/11/26 07:43	06/12/26 02:26	1
13C7 PFUnA	67.3	cn	30 - 130	06/11/26 07:43	06/12/26 02:26	1
13C2 PFTeDA	31.7	cn	10 - 130	06/11/26 07:43	06/12/26 02:26	1
13C3 PFBS	81.8	cn	40 - 135	06/11/26 07:43	06/12/26 02:26	1
13C3 PFHxS	80.2	cn	40 - 130	06/11/26 07:43	06/12/26 02:26	1
13C8 PFOS	76.9	cn	40 - 130	06/11/26 07:43	06/12/26 02:26	1
13C8 FOSA	69.5	cn	40 - 130	06/11/26 07:43	06/12/26 02:26	1
d3-NMeFOSAA	66.8	cn	40 - 170	06/11/26 07:43	06/12/26 02:26	1
d5-NEtFOSAA	63.5	cn	25 - 135	06/11/26 07:43	06/12/26 02:26	1
13C2 4:2 FTS	86.4	cn	40 - 200	06/11/26 07:43	06/12/26 02:26	1
13C2 6:2 FTS	113	cn	40 - 200	06/11/26 07:43	06/12/26 02:26	1
13C2 8:2 FTS	77.2	cn	40 - 300	06/11/26 07:43	06/12/26 02:26	1
13C3 HFPO-DA	77.7	cn	40 - 130	06/11/26 07:43	06/12/26 02:26	1
d7-N-MeFOSE-M	33.7	cn	10 - 130	06/11/26 07:43	06/12/26 02:26	1
d9-N-EtFOSE-M	26.0	cn	10 - 130	06/11/26 07:43	06/12/26 02:26	1
d5-NEtPFOSA	35.5	cn	10 - 130	06/11/26 07:43	06/12/26 02:26	1
d3-NMePFOSA	41.6	cn	10 - 130	06/11/26 07:43	06/12/26 02:26	1
13C2 PFDoA	51.5	cn	10 - 130	06/11/26 07:43	06/12/26 02:26	1
13C3-3:3 FTCA	104	cn	20 - 150	06/11/26 07:43	06/12/26 02:26	1
13C3-5:3 FTCA	85.7	cn	20 - 150	06/11/26 07:43	06/12/26 02:26	1
13C3-PFDoS	31.4	cn	20 - 150	06/11/26 07:43	06/12/26 02:26	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Client Sample ID: MW-45C

Lab Sample ID: 410-285777-8

Date Collected: 05/29/26 13:55

Matrix: Water

Date Received: 05/29/26 18:07

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/12/26 07:47	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/12/26 07:47	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/12/26 07:47	1
Styrene	ND		5.0	0.30	ug/L			06/12/26 07:47	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/12/26 07:47	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/12/26 07:47	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/12/26 07:47	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/12/26 07:47	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/12/26 07:47	1
Toluene	ND		1.0	0.30	ug/L			06/12/26 07:47	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/12/26 07:47	1
Cyclohexane	ND		5.0	1.0	ug/L			06/12/26 07:47	1
1,2,4-Trichlorobenzene	ND	B cn	5.0	0.30	ug/L			06/12/26 07:47	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/12/26 07:47	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/12/26 07:47	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/12/26 07:47	1
cis-1,2-Dichloroethene	78		1.0	0.30	ug/L			06/12/26 07:47	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/12/26 07:47	1
Methyl tertiary butyl ether	2.6		1.0	0.20	ug/L			06/12/26 07:47	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/12/26 07:47	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/12/26 07:47	1
2-Hexanone	ND		10	0.85	ug/L			06/12/26 07:47	1
Acetone	3.6 J		20	0.70	ug/L			06/12/26 07:47	1
Chloroform	ND		1.0	0.30	ug/L			06/12/26 07:47	1
Benzene	ND		1.0	0.30	ug/L			06/12/26 07:47	1
1,1,1-Trichloroethane	0.49 J		1.0	0.30	ug/L			06/12/26 07:47	1
Bromomethane	ND		1.0	0.30	ug/L			06/12/26 07:47	1
Chloromethane	ND		2.0	0.55	ug/L			06/12/26 07:47	1
Chloroethane	ND		1.0	0.30	ug/L			06/12/26 07:47	1
Vinyl chloride	0.99 J		1.0	0.30	ug/L			06/12/26 07:47	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/12/26 07:47	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/12/26 07:47	1
Bromoform	ND		4.0	1.0	ug/L			06/12/26 07:47	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/12/26 07:47	1
1,1-Dichloroethane	36		1.0	0.30	ug/L			06/12/26 07:47	1
1,1-Dichloroethene	19		1.0	0.30	ug/L			06/12/26 07:47	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/12/26 07:47	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/12/26 07:47	1
Freon 113	ND		10	0.30	ug/L			06/12/26 07:47	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/12/26 07:47	1
2-Butanone	ND		10	1.0	ug/L			06/12/26 07:47	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/12/26 07:47	1
Trichloroethene	110		1.0	0.30	ug/L			06/12/26 07:47	1
Methyl acetate	ND		5.0	0.60	ug/L			06/12/26 07:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/12/26 07:47	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/12/26 07:47	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/12/26 07:47	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/12/26 07:47	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Client Sample ID: MW-45C

Lab Sample ID: 410-285777-8

Date Collected: 05/29/26 13:55

Matrix: Water

Date Received: 05/29/26 18:07

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		06/12/26 07:47	1
Dibromofluoromethane (Surr)	104		80 - 120		06/12/26 07:47	1
4-Bromofluorobenzene (Surr)	92		80 - 120		06/12/26 07:47	1
Toluene-d8 (Surr)	94		80 - 120		06/12/26 07:47	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	15		3.2	0.88	ng/L		06/11/26 07:43	06/12/26 02:40	1
Perfluoropentanoic acid (PFPeA)	35		1.6	0.48	ng/L		06/11/26 07:43	06/12/26 02:40	1
Perfluorohexanoic acid (PFHxA)	21		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 02:40	1
Perfluoroheptanoic acid (PFHpA)	11		1.6	0.64	ng/L		06/11/26 07:43	06/12/26 02:40	1
Perfluorooctanoic acid (PFOA)	12		1.6	0.72	ng/L		06/11/26 07:43	06/12/26 02:40	1
Perfluorononanoic acid (PFNA)	2.5		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 02:40	1
Perfluorodecanoic acid (PFDA)	ND		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 02:40	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 02:40	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 02:40	1
Perfluorotridecanoic acid (PFTrDA)	ND		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 02:40	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 02:40	1
Perfluorobutanesulfonic acid (PFBS)	1.1 J		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 02:40	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 02:40	1
Perfluorohexanesulfonic acid (PFHxS)	1.4 J		1.6	0.64	ng/L		06/11/26 07:43	06/12/26 02:40	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 02:40	1
Perfluorooctanesulfonic acid (PFOS)	1.7 I cn		1.6	1.0	ng/L		06/11/26 07:43	06/12/26 02:40	1
Perfluorononanesulfonic acid (PFNS)	ND		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 02:40	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 02:40	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.6	0.48	ng/L		06/11/26 07:43	06/12/26 02:40	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.2	0.80	ng/L		06/11/26 07:43	06/12/26 02:40	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	6.1		3.2	0.80	ng/L		06/11/26 07:43	06/12/26 02:40	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.2	0.80	ng/L		06/11/26 07:43	06/12/26 02:40	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 02:40	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 02:40	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.6	0.88	ng/L		06/11/26 07:43	06/12/26 02:40	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 02:40	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 02:40	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.0	3.2	ng/L		06/11/26 07:43	06/12/26 02:40	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.0	3.2	ng/L		06/11/26 07:43	06/12/26 02:40	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.6	1.1	ng/L		06/11/26 07:43	06/12/26 02:40	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Client Sample ID: MW-45C

Lab Sample ID: 410-285777-8

Date Collected: 05/29/26 13:55

Matrix: Water

Date Received: 05/29/26 18:07

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 02:40	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 02:40	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 02:40	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 02:40	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 02:40	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 02:40	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 02:40	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.2	0.80	ng/L		06/11/26 07:43	06/12/26 02:40	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		8.0	2.2	ng/L		06/11/26 07:43	06/12/26 02:40	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.0	2.0	ng/L		06/11/26 07:43	06/12/26 02:40	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	74.6		5 - 130	06/11/26 07:43	06/12/26 02:40	1
13C5 PFPeA	80.0		40 - 130	06/11/26 07:43	06/12/26 02:40	1
13C5 PFHxA	77.6		40 - 130	06/11/26 07:43	06/12/26 02:40	1
13C4 PFHpA	77.4		40 - 130	06/11/26 07:43	06/12/26 02:40	1
13C8 PFOA	74.8		40 - 130	06/11/26 07:43	06/12/26 02:40	1
13C9 PFNA	82.7		40 - 130	06/11/26 07:43	06/12/26 02:40	1
13C6 PFDA	65.9		40 - 130	06/11/26 07:43	06/12/26 02:40	1
13C7 PFUnA	76.2		30 - 130	06/11/26 07:43	06/12/26 02:40	1
13C2 PFTeDA	52.3		10 - 130	06/11/26 07:43	06/12/26 02:40	1
13C3 PFBS	77.9		40 - 135	06/11/26 07:43	06/12/26 02:40	1
13C3 PFHxS	82.4		40 - 130	06/11/26 07:43	06/12/26 02:40	1
13C8 PFOS	74.4		40 - 130	06/11/26 07:43	06/12/26 02:40	1
13C8 FOSA	68.9		40 - 130	06/11/26 07:43	06/12/26 02:40	1
d3-NMeFOSAA	69.7		40 - 170	06/11/26 07:43	06/12/26 02:40	1
d5-NEtFOSAA	67.4		25 - 135	06/11/26 07:43	06/12/26 02:40	1
13C2 4:2 FTS	81.0		40 - 200	06/11/26 07:43	06/12/26 02:40	1
13C2 6:2 FTS	74.7		40 - 200	06/11/26 07:43	06/12/26 02:40	1
13C2 8:2 FTS	88.9		40 - 300	06/11/26 07:43	06/12/26 02:40	1
13C3 HFPO-DA	79.2		40 - 130	06/11/26 07:43	06/12/26 02:40	1
d7-N-MeFOSE-M	47.4		10 - 130	06/11/26 07:43	06/12/26 02:40	1
d9-N-EtFOSE-M	40.9		10 - 130	06/11/26 07:43	06/12/26 02:40	1
d5-NEtPFOSA	56.6		10 - 130	06/11/26 07:43	06/12/26 02:40	1
d3-NMePFOSA	61.1		10 - 130	06/11/26 07:43	06/12/26 02:40	1
13C2 PFDoA	65.1		10 - 130	06/11/26 07:43	06/12/26 02:40	1
13C3-3:3 FTCA	104		20 - 150	06/11/26 07:43	06/12/26 02:40	1
13C3-5:3 FTCA	79.7		20 - 150	06/11/26 07:43	06/12/26 02:40	1
13C3-PFDoS	52.2		20 - 150	06/11/26 07:43	06/12/26 02:40	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Client Sample ID: MW-37

Lab Sample ID: 410-285777-9

Date Collected: 05/29/26 14:45

Matrix: Water

Date Received: 05/29/26 18:07

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/12/26 02:06	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/12/26 02:06	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/12/26 02:06	1
Styrene	ND		5.0	0.30	ug/L			06/12/26 02:06	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/12/26 02:06	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/12/26 02:06	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/12/26 02:06	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/12/26 02:06	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/12/26 02:06	1
Toluene	ND		1.0	0.30	ug/L			06/12/26 02:06	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/12/26 02:06	1
Cyclohexane	ND		5.0	1.0	ug/L			06/12/26 02:06	1
1,2,4-Trichlorobenzene	ND	B cn	5.0	0.30	ug/L			06/12/26 02:06	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/12/26 02:06	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/12/26 02:06	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/12/26 02:06	1
cis-1,2-Dichloroethene	7.1		1.0	0.30	ug/L			06/12/26 02:06	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/12/26 02:06	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/12/26 02:06	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/12/26 02:06	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/12/26 02:06	1
2-Hexanone	ND		10	0.85	ug/L			06/12/26 02:06	1
Acetone	1.4 J		20	0.70	ug/L			06/12/26 02:06	1
Chloroform	ND		1.0	0.30	ug/L			06/12/26 02:06	1
Benzene	ND		1.0	0.30	ug/L			06/12/26 02:06	1
1,1,1-Trichloroethane	2.9		1.0	0.30	ug/L			06/12/26 02:06	1
Bromomethane	ND		1.0	0.30	ug/L			06/12/26 02:06	1
Chloromethane	ND		2.0	0.55	ug/L			06/12/26 02:06	1
Chloroethane	ND		1.0	0.30	ug/L			06/12/26 02:06	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/12/26 02:06	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/12/26 02:06	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/12/26 02:06	1
Bromoform	ND		4.0	1.0	ug/L			06/12/26 02:06	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/12/26 02:06	1
1,1-Dichloroethane	2.2		1.0	0.30	ug/L			06/12/26 02:06	1
1,1-Dichloroethene	0.53 J		1.0	0.30	ug/L			06/12/26 02:06	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/12/26 02:06	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/12/26 02:06	1
Freon 113	ND		10	0.30	ug/L			06/12/26 02:06	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/12/26 02:06	1
2-Butanone	ND		10	1.0	ug/L			06/12/26 02:06	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/12/26 02:06	1
Trichloroethene	5.9		1.0	0.30	ug/L			06/12/26 02:06	1
Methyl acetate	ND		5.0	0.60	ug/L			06/12/26 02:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/12/26 02:06	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/12/26 02:06	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/12/26 02:06	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/12/26 02:06	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Client Sample ID: MW-37

Lab Sample ID: 410-285777-9

Date Collected: 05/29/26 14:45

Matrix: Water

Date Received: 05/29/26 18:07

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		06/12/26 02:06	1
Dibromofluoromethane (Surr)	107		80 - 120		06/12/26 02:06	1
4-Bromofluorobenzene (Surr)	90		80 - 120		06/12/26 02:06	1
Toluene-d8 (Surr)	94		80 - 120		06/12/26 02:06	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	8.7		3.2	0.88	ng/L		06/11/26 07:43	06/12/26 02:53	1
Perfluoropentanoic acid (PFPeA)	6.1		1.6	0.48	ng/L		06/11/26 07:43	06/12/26 02:53	1
Perfluorohexanoic acid (PFHxA)	6.0		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 02:53	1
Perfluoroheptanoic acid (PFHpA)	4.9		1.6	0.64	ng/L		06/11/26 07:43	06/12/26 02:53	1
Perfluorooctanoic acid (PFOA)	13		1.6	0.72	ng/L		06/11/26 07:43	06/12/26 02:53	1
Perfluorononanoic acid (PFNA)	8.9		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 02:53	1
Perfluorodecanoic acid (PFDA)	2.0		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 02:53	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 02:53	1
Perfluorododecanoic acid (PFDoA)	0.75 J		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 02:53	1
Perfluorotridecanoic acid (PFTTrDA)	0.59 J		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 02:53	1
Perfluorotetradecanoic acid (PFTeDA)	0.72 J		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 02:53	1
Perfluorobutanesulfonic acid (PFBS)	2.5		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 02:53	1
Perfluoropentanesulfonic acid (PFPeS)	0.98 J		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 02:53	1
Perfluorohexanesulfonic acid (PFHxS)	2.6		1.6	0.64	ng/L		06/11/26 07:43	06/12/26 02:53	1
Perfluoroheptanesulfonic acid (PFHpS)	1.0 J		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 02:53	1
Perfluorooctanesulfonic acid (PFOS)	12		1.6	1.0	ng/L		06/11/26 07:43	06/12/26 02:53	1
Perfluorononanesulfonic acid (PFNS)	0.55 J		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 02:53	1
Perfluorodecanesulfonic acid (PFDS)	0.58 J		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 02:53	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.6	0.48	ng/L		06/11/26 07:43	06/12/26 02:53	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	1.2 J		3.2	0.80	ng/L		06/11/26 07:43	06/12/26 02:53	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	1.8 J		3.2	0.80	ng/L		06/11/26 07:43	06/12/26 02:53	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	1.2 J		3.2	0.80	ng/L		06/11/26 07:43	06/12/26 02:53	1
Perfluorooctanesulfonamide (PFOSA)	0.94 J		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 02:53	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.74 J		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 02:53	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.6	0.88	ng/L		06/11/26 07:43	06/12/26 02:53	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 02:53	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 02:53	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.0	3.2	ng/L		06/11/26 07:43	06/12/26 02:53	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Client Sample ID: MW-37

Lab Sample ID: 410-285777-9

Date Collected: 05/29/26 14:45

Matrix: Water

Date Received: 05/29/26 18:07

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctane	ND		8.0	3.2	ng/L		06/11/26 07:43	06/12/26 02:53	1
sulfonamidoethanol (NEtFOSE)									
Hexafluoropropylene Oxide Dimer	ND		1.6	1.1	ng/L		06/11/26 07:43	06/12/26 02:53	1
Acid (HFPO-DA)									
4,8-Dioxa-3H-perfluorononanoic acid	ND		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 02:53	1
(ADONA)									
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.84	J	1.6	0.40	ng/L		06/11/26 07:43	06/12/26 02:53	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.82	J	1.6	0.40	ng/L		06/11/26 07:43	06/12/26 02:53	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.6	0.40	ng/L		06/11/26 07:43	06/12/26 02:53	1
9-Chlorohexadecafluoro-3-oxonane-1-sulfonic acid (9Cl-PF3ONS)	0.60	J	1.6	0.40	ng/L		06/11/26 07:43	06/12/26 02:53	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.55	J	1.6	0.40	ng/L		06/11/26 07:43	06/12/26 02:53	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.56	J	1.6	0.40	ng/L		06/11/26 07:43	06/12/26 02:53	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	1.6	J	3.2	0.80	ng/L		06/11/26 07:43	06/12/26 02:53	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	4.0	J	8.0	2.3	ng/L		06/11/26 07:43	06/12/26 02:53	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.1	J	8.0	2.0	ng/L		06/11/26 07:43	06/12/26 02:53	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	83.0		5 - 130	06/11/26 07:43	06/12/26 02:53	1
13C5 PFPeA	90.4		40 - 130	06/11/26 07:43	06/12/26 02:53	1
13C5 PFHxA	87.6		40 - 130	06/11/26 07:43	06/12/26 02:53	1
13C4 PFHpA	86.0		40 - 130	06/11/26 07:43	06/12/26 02:53	1
13C8 PFOA	87.3		40 - 130	06/11/26 07:43	06/12/26 02:53	1
13C9 PFNA	91.6		40 - 130	06/11/26 07:43	06/12/26 02:53	1
13C6 PFDA	75.4		40 - 130	06/11/26 07:43	06/12/26 02:53	1
13C7 PFUnA	76.3		30 - 130	06/11/26 07:43	06/12/26 02:53	1
13C2 PFTeDA	69.9		10 - 130	06/11/26 07:43	06/12/26 02:53	1
13C3 PFBS	86.7		40 - 135	06/11/26 07:43	06/12/26 02:53	1
13C3 PFHxS	86.8		40 - 130	06/11/26 07:43	06/12/26 02:53	1
13C8 PFOS	81.3		40 - 130	06/11/26 07:43	06/12/26 02:53	1
13C8 FOSA	73.6		40 - 130	06/11/26 07:43	06/12/26 02:53	1
d3-NMeFOSAA	73.9		40 - 170	06/11/26 07:43	06/12/26 02:53	1
d5-NEtFOSAA	77.3		25 - 135	06/11/26 07:43	06/12/26 02:53	1
13C2 4:2 FTS	99.7		40 - 200	06/11/26 07:43	06/12/26 02:53	1
13C2 6:2 FTS	93.8		40 - 200	06/11/26 07:43	06/12/26 02:53	1
13C2 8:2 FTS	102		40 - 300	06/11/26 07:43	06/12/26 02:53	1
13C3 HFPO-DA	78.0		40 - 130	06/11/26 07:43	06/12/26 02:53	1
d7-N-MeFOSE-M	64.0		10 - 130	06/11/26 07:43	06/12/26 02:53	1
d9-N-EtFOSE-M	56.1		10 - 130	06/11/26 07:43	06/12/26 02:53	1
d5-NEtPFOSA	64.9		10 - 130	06/11/26 07:43	06/12/26 02:53	1
d3-NMePFOSA	67.9		10 - 130	06/11/26 07:43	06/12/26 02:53	1
13C2 PFDoA	72.4		10 - 130	06/11/26 07:43	06/12/26 02:53	1
13C3-3:3 FTCA	130		20 - 150	06/11/26 07:43	06/12/26 02:53	1
13C3-5:3 FTCA	91.9		20 - 150	06/11/26 07:43	06/12/26 02:53	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Client Sample ID: MW-37

Date Collected: 05/29/26 14:45

Date Received: 05/29/26 18:07

Lab Sample ID: 410-285777-9

Matrix: Water

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C3-PFDoS	65.0		20 - 150	06/11/26 07:43	06/12/26 02:53	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Client Sample ID: MW-67

Lab Sample ID: 410-285777-10

Date Collected: 05/29/26 14:00

Matrix: Water

Date Received: 05/29/26 18:07

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		20	10	ug/L			06/12/26 08:32	20
trans-1,3-Dichloropropene	ND		20	4.0	ug/L			06/12/26 08:32	20
Ethylbenzene	ND		20	8.0	ug/L			06/12/26 08:32	20
Styrene	ND		100	6.0	ug/L			06/12/26 08:32	20
1,4-Dichlorobenzene	ND		100	6.0	ug/L			06/12/26 08:32	20
1,2-Dibromoethane	ND		20	4.0	ug/L			06/12/26 08:32	20
1,2-Dichloroethane	ND		20	6.0	ug/L			06/12/26 08:32	20
4-Methyl-2-pentanone	ND		200	10	ug/L			06/12/26 08:32	20
Methylcyclohexane	ND		100	10	ug/L			06/12/26 08:32	20
Toluene	ND		20	6.0	ug/L			06/12/26 08:32	20
Chlorobenzene	ND		20	6.0	ug/L			06/12/26 08:32	20
Cyclohexane	ND		100	20	ug/L			06/12/26 08:32	20
1,2,4-Trichlorobenzene	ND	B cn	100	6.0	ug/L			06/12/26 08:32	20
Dibromochloromethane	ND		20	4.0	ug/L			06/12/26 08:32	20
Xylenes, Total	ND		20	8.0	ug/L			06/12/26 08:32	20
Tetrachloroethene	8.8	J	20	6.0	ug/L			06/12/26 08:32	20
cis-1,2-Dichloroethene	3200		20	6.0	ug/L			06/12/26 08:32	20
trans-1,2-Dichloroethene	ND		40	14	ug/L			06/12/26 08:32	20
Methyl tertiary butyl ether	ND		20	4.0	ug/L			06/12/26 08:32	20
1,3-Dichlorobenzene	ND		100	14	ug/L			06/12/26 08:32	20
Carbon tetrachloride	ND		20	6.0	ug/L			06/12/26 08:32	20
2-Hexanone	ND		200	17	ug/L			06/12/26 08:32	20
Acetone	ND		400	14	ug/L			06/12/26 08:32	20
Chloroform	ND		20	6.0	ug/L			06/12/26 08:32	20
Benzene	ND		20	6.0	ug/L			06/12/26 08:32	20
1,1,1-Trichloroethane	83		20	6.0	ug/L			06/12/26 08:32	20
Bromomethane	ND		20	6.0	ug/L			06/12/26 08:32	20
Chloromethane	ND		40	11	ug/L			06/12/26 08:32	20
Chloroethane	ND		20	6.0	ug/L			06/12/26 08:32	20
Vinyl chloride	76		20	6.0	ug/L			06/12/26 08:32	20
Methylene Chloride	ND		20	6.0	ug/L			06/12/26 08:32	20
Carbon disulfide	ND		100	6.0	ug/L			06/12/26 08:32	20
Bromoform	ND		80	20	ug/L			06/12/26 08:32	20
Bromodichloromethane	ND		20	4.0	ug/L			06/12/26 08:32	20
1,1-Dichloroethane	9.9	J	20	6.0	ug/L			06/12/26 08:32	20
1,1-Dichloroethene	37		20	6.0	ug/L			06/12/26 08:32	20
Trichlorofluoromethane	ND		20	6.0	ug/L			06/12/26 08:32	20
Dichlorodifluoromethane	ND		20	6.0	ug/L			06/12/26 08:32	20
Freon 113	ND		200	6.0	ug/L			06/12/26 08:32	20
1,2-Dichloropropane	ND		20	6.0	ug/L			06/12/26 08:32	20
2-Butanone	ND		200	20	ug/L			06/12/26 08:32	20
1,1,2-Trichloroethane	ND		20	6.0	ug/L			06/12/26 08:32	20
Trichloroethene	1400		20	6.0	ug/L			06/12/26 08:32	20
Methyl acetate	ND		100	12	ug/L			06/12/26 08:32	20
1,1,2,2-Tetrachloroethane	ND		20	6.0	ug/L			06/12/26 08:32	20
1,2-Dichlorobenzene	ND		100	4.0	ug/L			06/12/26 08:32	20
1,2-Dibromo-3-Chloropropane	ND		100	6.0	ug/L			06/12/26 08:32	20
Isopropylbenzene	ND		100	6.0	ug/L			06/12/26 08:32	20

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Client Sample ID: MW-67

Lab Sample ID: 410-285777-10

Date Collected: 05/29/26 14:00

Matrix: Water

Date Received: 05/29/26 18:07

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		80 - 120		06/12/26 08:32	20
Dibromofluoromethane (Surr)	104		80 - 120		06/12/26 08:32	20
4-Bromofluorobenzene (Surr)	90		80 - 120		06/12/26 08:32	20
Toluene-d8 (Surr)	96		80 - 120		06/12/26 08:32	20

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			05/30/26 10:44	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.34		0.20	0.10	mg/L			06/12/26 12:40	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	170		3.3	0.92	ng/L		06/11/26 07:43	06/12/26 03:07	1
Perfluoropentanoic acid (PFPeA)	510		1.7	0.50	ng/L		06/11/26 07:43	06/12/26 03:07	1
Perfluorohexanoic acid (PFHxA)	290		1.7	0.42	ng/L		06/11/26 07:43	06/12/26 03:07	1
Perfluoroheptanoic acid (PFHpA)	180		1.7	0.67	ng/L		06/11/26 07:43	06/12/26 03:07	1
Perfluorooctanoic acid (PFOA)	180		1.7	0.75	ng/L		06/11/26 07:43	06/12/26 03:07	1
Perfluorononanoic acid (PFNA)	54		1.7	0.42	ng/L		06/11/26 07:43	06/12/26 03:07	1
Perfluorodecanoic acid (PFDA)	2.5		1.7	0.42	ng/L		06/11/26 07:43	06/12/26 03:07	1
Perfluoroundecanoic acid (PFUnA)	0.52 J		1.7	0.42	ng/L		06/11/26 07:43	06/12/26 03:07	1
Perfluorododecanoic acid (PFDoA)	ND		1.7	0.42	ng/L		06/11/26 07:43	06/12/26 03:07	1
Perfluorotridecanoic acid (PFTeDA)	ND		1.7	0.42	ng/L		06/11/26 07:43	06/12/26 03:07	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.7	0.42	ng/L		06/11/26 07:43	06/12/26 03:07	1
Perfluorobutanesulfonic acid (PFBS)	1.6 J		1.7	0.42	ng/L		06/11/26 07:43	06/12/26 03:07	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.7	0.42	ng/L		06/11/26 07:43	06/12/26 03:07	1
Perfluorohexanesulfonic acid (PFHxS)	2.8		1.7	0.67	ng/L		06/11/26 07:43	06/12/26 03:07	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.7	0.42	ng/L		06/11/26 07:43	06/12/26 03:07	1
Perfluorooctanesulfonic acid (PFOS)	16		1.7	1.1	ng/L		06/11/26 07:43	06/12/26 03:07	1
Perfluorononanesulfonic acid (PFNS)	ND		1.7	0.42	ng/L		06/11/26 07:43	06/12/26 03:07	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.42	ng/L		06/11/26 07:43	06/12/26 03:07	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.7	0.50	ng/L		06/11/26 07:43	06/12/26 03:07	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.3	0.84	ng/L		06/11/26 07:43	06/12/26 03:07	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	31		3.3	0.84	ng/L		06/11/26 07:43	06/12/26 03:07	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	9.3		3.3	0.84	ng/L		06/11/26 07:43	06/12/26 03:07	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.7	0.42	ng/L		06/11/26 07:43	06/12/26 03:07	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.7	0.42	ng/L		06/11/26 07:43	06/12/26 03:07	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.7	0.92	ng/L		06/11/26 07:43	06/12/26 03:07	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.7	0.42	ng/L		06/11/26 07:43	06/12/26 03:07	1

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Date Collected: 05/29/26 14:00

Matrix: Water

Date Received: 05/29/26 18:07

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.7	0.42	ng/L		06/11/26 07:43	06/12/26 03:07	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.4	3.3	ng/L		06/11/26 07:43	06/12/26 03:07	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.4	3.3	ng/L		06/11/26 07:43	06/12/26 03:07	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.7	1.2	ng/L		06/11/26 07:43	06/12/26 03:07	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.7	0.42	ng/L		06/11/26 07:43	06/12/26 03:07	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.7	0.42	ng/L		06/11/26 07:43	06/12/26 03:07	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.7	0.42	ng/L		06/11/26 07:43	06/12/26 03:07	1
Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	ND		1.7	0.42	ng/L		06/11/26 07:43	06/12/26 03:07	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.7	0.42	ng/L		06/11/26 07:43	06/12/26 03:07	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.7	0.42	ng/L		06/11/26 07:43	06/12/26 03:07	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.7	0.42	ng/L		06/11/26 07:43	06/12/26 03:07	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.3	0.84	ng/L		06/11/26 07:43	06/12/26 03:07	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		8.4	2.3	ng/L		06/11/26 07:43	06/12/26 03:07	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.4	2.1	ng/L		06/11/26 07:43	06/12/26 03:07	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	72.6		5 - 130	06/11/26 07:43	06/12/26 03:07	1
13C5 PFPeA	72.8		40 - 130	06/11/26 07:43	06/12/26 03:07	1
13C5 PFHxA	75.3		40 - 130	06/11/26 07:43	06/12/26 03:07	1
13C4 PFHpA	78.0		40 - 130	06/11/26 07:43	06/12/26 03:07	1
13C8 PFOA	77.8		40 - 130	06/11/26 07:43	06/12/26 03:07	1
13C9 PFNA	76.3		40 - 130	06/11/26 07:43	06/12/26 03:07	1
13C6 PFDA	65.1		40 - 130	06/11/26 07:43	06/12/26 03:07	1
13C7 PFUnA	67.1		30 - 130	06/11/26 07:43	06/12/26 03:07	1
13C2 PFTeDA	54.8		10 - 130	06/11/26 07:43	06/12/26 03:07	1
13C3 PFBS	78.7		40 - 135	06/11/26 07:43	06/12/26 03:07	1
13C3 PFHxS	75.2		40 - 130	06/11/26 07:43	06/12/26 03:07	1
13C8 PFOS	72.6		40 - 130	06/11/26 07:43	06/12/26 03:07	1
13C8 FOSA	68.6		40 - 130	06/11/26 07:43	06/12/26 03:07	1
d3-NMeFOSAA	68.4		40 - 170	06/11/26 07:43	06/12/26 03:07	1
d5-NEtFOSAA	67.6		25 - 135	06/11/26 07:43	06/12/26 03:07	1
13C2 4:2 FTS	85.6		40 - 200	06/11/26 07:43	06/12/26 03:07	1
13C2 6:2 FTS	80.2		40 - 200	06/11/26 07:43	06/12/26 03:07	1
13C2 8:2 FTS	85.2		40 - 300	06/11/26 07:43	06/12/26 03:07	1
13C3 HFPO-DA	71.3		40 - 130	06/11/26 07:43	06/12/26 03:07	1
d7-N-MeFOSE-M	44.9		10 - 130	06/11/26 07:43	06/12/26 03:07	1
d9-N-EtFOSE-M	38.6		10 - 130	06/11/26 07:43	06/12/26 03:07	1
d5-NEtPFOSA	52.5		10 - 130	06/11/26 07:43	06/12/26 03:07	1
d3-NMePFOSA	57.3		10 - 130	06/11/26 07:43	06/12/26 03:07	1
13C2 PFDoA	59.4		10 - 130	06/11/26 07:43	06/12/26 03:07	1

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Job ID: 410-285777-1

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Date Collected: 05/29/26 14:00

Matrix: Water

Date Received: 05/29/26 18:07

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-3:3 FTCA	108		20 - 150	06/11/26 07:43	06/12/26 03:07	1
13C3-5:3 FTCA	91.1		20 - 150	06/11/26 07:43	06/12/26 03:07	1
13C3-PFDoS	54.4		20 - 150	06/11/26 07:43	06/12/26 03:07	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0021	0.00057	mg/L		06/09/26 05:45	06/10/26 16:30	1
Nickel	0.053		0.0010	0.00041	mg/L		06/09/26 05:45	06/10/26 16:30	1
Manganese	1.2		0.0021	0.00098	mg/L		06/09/26 05:45	06/10/26 16:30	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Client Sample ID: Duplicate #2

Lab Sample ID: 410-285777-11

Date Collected: 05/29/26 14:20

Matrix: Water

Date Received: 05/29/26 18:07

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND	cn	20	10	ug/L			06/12/26 13:31	20
trans-1,3-Dichloropropene	ND	cn	20	4.0	ug/L			06/12/26 13:31	20
Ethylbenzene	ND	cn	20	8.0	ug/L			06/12/26 13:31	20
Styrene	ND	cn	100	6.0	ug/L			06/12/26 13:31	20
1,4-Dichlorobenzene	ND	cn	100	6.0	ug/L			06/12/26 13:31	20
1,2-Dibromoethane	ND	cn	20	4.0	ug/L			06/12/26 13:31	20
1,2-Dichloroethane	ND	cn	20	6.0	ug/L			06/12/26 13:31	20
4-Methyl-2-pentanone	ND	^c cn	200	10	ug/L			06/12/26 13:31	20
Methylcyclohexane	ND	cn	100	10	ug/L			06/12/26 13:31	20
Toluene	ND	cn	20	6.0	ug/L			06/12/26 13:31	20
Chlorobenzene	ND	cn	20	6.0	ug/L			06/12/26 13:31	20
Cyclohexane	ND	cn	100	20	ug/L			06/12/26 13:31	20
1,2,4-Trichlorobenzene	ND	cn	100	6.0	ug/L			06/12/26 13:31	20
Dibromochloromethane	ND	cn	20	4.0	ug/L			06/12/26 13:31	20
Xylenes, Total	ND	cn	20	8.0	ug/L			06/12/26 13:31	20
Tetrachloroethene	6.5	J cn	20	6.0	ug/L			06/12/26 13:31	20
cis-1,2-Dichloroethene	2900	cn	20	6.0	ug/L			06/12/26 13:31	20
trans-1,2-Dichloroethene	ND	cn	40	14	ug/L			06/12/26 13:31	20
Methyl tertiary butyl ether	ND	cn	20	4.0	ug/L			06/12/26 13:31	20
1,3-Dichlorobenzene	ND	cn	100	14	ug/L			06/12/26 13:31	20
Carbon tetrachloride	ND	cn	20	6.0	ug/L			06/12/26 13:31	20
2-Hexanone	ND	^c cn	200	17	ug/L			06/12/26 13:31	20
Acetone	ND	^c cn	400	14	ug/L			06/12/26 13:31	20
Chloroform	ND	cn	20	6.0	ug/L			06/12/26 13:31	20
Benzene	ND	cn	20	6.0	ug/L			06/12/26 13:31	20
1,1,1-Trichloroethane	83	cn	20	6.0	ug/L			06/12/26 13:31	20
Bromomethane	ND	cn	20	6.0	ug/L			06/12/26 13:31	20
Chloromethane	ND	cn	40	11	ug/L			06/12/26 13:31	20
Chloroethane	ND	cn	20	6.0	ug/L			06/12/26 13:31	20
Vinyl chloride	100	cn	20	6.0	ug/L			06/12/26 13:31	20
Methylene Chloride	ND	cn	20	6.0	ug/L			06/12/26 13:31	20
Carbon disulfide	ND	cn	100	6.0	ug/L			06/12/26 13:31	20
Bromoform	ND	cn	80	20	ug/L			06/12/26 13:31	20
Bromodichloromethane	ND	cn	20	4.0	ug/L			06/12/26 13:31	20
1,1-Dichloroethane	12	J cn	20	6.0	ug/L			06/12/26 13:31	20
1,1-Dichloroethene	33	cn	20	6.0	ug/L			06/12/26 13:31	20
Trichlorofluoromethane	ND	cn	20	6.0	ug/L			06/12/26 13:31	20
Dichlorodifluoromethane	ND	cn	20	6.0	ug/L			06/12/26 13:31	20
Freon 113	ND	cn	200	6.0	ug/L			06/12/26 13:31	20
1,2-Dichloropropane	ND	cn	20	6.0	ug/L			06/12/26 13:31	20
2-Butanone	ND	^c cn	200	20	ug/L			06/12/26 13:31	20
1,1,2-Trichloroethane	ND	cn	20	6.0	ug/L			06/12/26 13:31	20
Trichloroethene	1300	cn	20	6.0	ug/L			06/12/26 13:31	20
Methyl acetate	ND	cn	100	12	ug/L			06/12/26 13:31	20
1,1,2,2-Tetrachloroethane	ND	cn	20	6.0	ug/L			06/12/26 13:31	20
1,2-Dichlorobenzene	ND	cn	100	4.0	ug/L			06/12/26 13:31	20
1,2-Dibromo-3-Chloropropane	ND	cn	100	6.0	ug/L			06/12/26 13:31	20
Isopropylbenzene	ND	cn	100	6.0	ug/L			06/12/26 13:31	20

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Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Client Sample ID: Duplicate #2

Lab Sample ID: 410-285777-11

Date Collected: 05/29/26 14:20

Matrix: Water

Date Received: 05/29/26 18:07

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101	cn	80 - 120		06/12/26 13:31	20
Dibromofluoromethane (Surr)	96	cn	80 - 120		06/12/26 13:31	20
4-Bromofluorobenzene (Surr)	96	cn	80 - 120		06/12/26 13:31	20
Toluene-d8 (Surr)	97	cn	80 - 120		06/12/26 13:31	20

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			05/30/26 10:52	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.35		0.20	0.10	mg/L			06/12/26 12:52	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	170	cn	3.4	0.94	ng/L		06/11/26 07:43	06/12/26 03:21	1
Perfluoropentanoic acid (PFPeA)	530	cn	1.7	0.51	ng/L		06/11/26 07:43	06/12/26 03:21	1
Perfluorohexanoic acid (PFHxA)	270	cn	1.7	0.43	ng/L		06/11/26 07:43	06/12/26 03:21	1
Perfluoroheptanoic acid (PFHpA)	190	cn	1.7	0.68	ng/L		06/11/26 07:43	06/12/26 03:21	1
Perfluorooctanoic acid (PFOA)	180	cn	1.7	0.77	ng/L		06/11/26 07:43	06/12/26 03:21	1
Perfluorononanoic acid (PFNA)	57	cn	1.7	0.43	ng/L		06/11/26 07:43	06/12/26 03:21	1
Perfluorodecanoic acid (PFDA)	1.9	cn	1.7	0.43	ng/L		06/11/26 07:43	06/12/26 03:21	1
Perfluoroundecanoic acid (PFUnA)	ND	cn	1.7	0.43	ng/L		06/11/26 07:43	06/12/26 03:21	1
Perfluorododecanoic acid (PFDoA)	ND	cn	1.7	0.43	ng/L		06/11/26 07:43	06/12/26 03:21	1
Perfluorotridecanoic acid (PFTriDA)	ND	cn	1.7	0.43	ng/L		06/11/26 07:43	06/12/26 03:21	1
Perfluorotetradecanoic acid (PFTeDA)	ND	cn	1.7	0.43	ng/L		06/11/26 07:43	06/12/26 03:21	1
Perfluorobutanesulfonic acid (PFBS)	2.1	cn	1.7	0.43	ng/L		06/11/26 07:43	06/12/26 03:21	1
Perfluoropentanesulfonic acid (PFPeS)	ND	cn	1.7	0.43	ng/L		06/11/26 07:43	06/12/26 03:21	1
Perfluorohexanesulfonic acid (PFHxS)	2.6	cn	1.7	0.68	ng/L		06/11/26 07:43	06/12/26 03:21	1
Perfluoroheptanesulfonic acid (PFHpS)	ND	cn	1.7	0.43	ng/L		06/11/26 07:43	06/12/26 03:21	1
Perfluorooctanesulfonic acid (PFOS)	17	cn	1.7	1.1	ng/L		06/11/26 07:43	06/12/26 03:21	1
Perfluorononanesulfonic acid (PFNS)	ND	cn	1.7	0.43	ng/L		06/11/26 07:43	06/12/26 03:21	1
Perfluorodecanesulfonic acid (PFDS)	ND	cn	1.7	0.43	ng/L		06/11/26 07:43	06/12/26 03:21	1
Perfluorododecanesulfonic acid (PFDoS)	ND	cn	1.7	0.51	ng/L		06/11/26 07:43	06/12/26 03:21	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND	cn	3.4	0.85	ng/L		06/11/26 07:43	06/12/26 03:21	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	29	cn	3.4	0.85	ng/L		06/11/26 07:43	06/12/26 03:21	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	12	cn	3.4	0.85	ng/L		06/11/26 07:43	06/12/26 03:21	1
Perfluorooctanesulfonamide (PFOSA)	ND	cn	1.7	0.43	ng/L		06/11/26 07:43	06/12/26 03:21	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND	cn	1.7	0.43	ng/L		06/11/26 07:43	06/12/26 03:21	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND	cn	1.7	0.94	ng/L		06/11/26 07:43	06/12/26 03:21	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND	cn	1.7	0.43	ng/L		06/11/26 07:43	06/12/26 03:21	1

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Client Sample Results

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Job ID: 410-285777-1

Client Sample ID: Duplicate #2

Lab Sample ID: 410-285777-11

Date Collected: 05/29/26 14:20

Matrix: Water

Date Received: 05/29/26 18:07

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND	cn	1.7	0.43	ng/L		06/11/26 07:43	06/12/26 03:21	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND	cn	8.5	3.4	ng/L		06/11/26 07:43	06/12/26 03:21	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND	cn	8.5	3.4	ng/L		06/11/26 07:43	06/12/26 03:21	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	cn	1.7	1.2	ng/L		06/11/26 07:43	06/12/26 03:21	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	cn	1.7	0.43	ng/L		06/11/26 07:43	06/12/26 03:21	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	cn	1.7	0.43	ng/L		06/11/26 07:43	06/12/26 03:21	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	cn	1.7	0.43	ng/L		06/11/26 07:43	06/12/26 03:21	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	cn	1.7	0.43	ng/L		06/11/26 07:43	06/12/26 03:21	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND	cn	1.7	0.43	ng/L		06/11/26 07:43	06/12/26 03:21	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND	cn	1.7	0.43	ng/L		06/11/26 07:43	06/12/26 03:21	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND	cn	1.7	0.43	ng/L		06/11/26 07:43	06/12/26 03:21	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND	cn	3.4	0.85	ng/L		06/11/26 07:43	06/12/26 03:21	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.4	J cn	8.5	2.4	ng/L		06/11/26 07:43	06/12/26 03:21	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND	cn	8.5	2.1	ng/L		06/11/26 07:43	06/12/26 03:21	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	76.5	cn	5 - 130	06/11/26 07:43	06/12/26 03:21	1
13C5 PFPeA	76.8	cn	40 - 130	06/11/26 07:43	06/12/26 03:21	1
13C5 PFHxA	78.9	cn	40 - 130	06/11/26 07:43	06/12/26 03:21	1
13C4 PFHpA	85.4	cn	40 - 130	06/11/26 07:43	06/12/26 03:21	1
13C8 PFOA	78.7	cn	40 - 130	06/11/26 07:43	06/12/26 03:21	1
13C9 PFNA	78.6	cn	40 - 130	06/11/26 07:43	06/12/26 03:21	1
13C6 PFDA	67.1	cn	40 - 130	06/11/26 07:43	06/12/26 03:21	1
13C7 PFUnA	62.3	cn	30 - 130	06/11/26 07:43	06/12/26 03:21	1
13C2 PFTeDA	31.5	cn	10 - 130	06/11/26 07:43	06/12/26 03:21	1
13C3 PFBS	86.6	cn	40 - 135	06/11/26 07:43	06/12/26 03:21	1
13C3 PFHxS	83.5	cn	40 - 130	06/11/26 07:43	06/12/26 03:21	1
13C8 PFOS	71.2	cn	40 - 130	06/11/26 07:43	06/12/26 03:21	1
13C8 FOSA	60.8	cn	40 - 130	06/11/26 07:43	06/12/26 03:21	1
d3-NMeFOSAA	66.0	cn	40 - 170	06/11/26 07:43	06/12/26 03:21	1
d5-NEtFOSAA	65.9	cn	25 - 135	06/11/26 07:43	06/12/26 03:21	1
13C2 4:2 FTS	92.4	cn	40 - 200	06/11/26 07:43	06/12/26 03:21	1
13C2 6:2 FTS	108	cn	40 - 200	06/11/26 07:43	06/12/26 03:21	1
13C2 8:2 FTS	80.4	cn	40 - 300	06/11/26 07:43	06/12/26 03:21	1
13C3 HFPO-DA	75.8	cn	40 - 130	06/11/26 07:43	06/12/26 03:21	1
d7-N-MeFOSE-M	35.7	cn	10 - 130	06/11/26 07:43	06/12/26 03:21	1
d9-N-EtFOSE-M	26.9	cn	10 - 130	06/11/26 07:43	06/12/26 03:21	1
d5-NEtPFOSA	34.7	cn	10 - 130	06/11/26 07:43	06/12/26 03:21	1
d3-NMePFOSA	40.8	cn	10 - 130	06/11/26 07:43	06/12/26 03:21	1
13C2 PFDoA	48.1	cn	10 - 130	06/11/26 07:43	06/12/26 03:21	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Client Sample ID: Duplicate #2

Lab Sample ID: 410-285777-11

Date Collected: 05/29/26 14:20

Matrix: Water

Date Received: 05/29/26 18:07

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-3:3 FTCA	115	cn	20 - 150	06/11/26 07:43	06/12/26 03:21	1
13C3-5:3 FTCA	99.2	cn	20 - 150	06/11/26 07:43	06/12/26 03:21	1
13C3-PFDoS	30.4	cn	20 - 150	06/11/26 07:43	06/12/26 03:21	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0021	0.00057	mg/L		06/09/26 05:45	06/10/26 16:32	1
Nickel	0.014		0.0010	0.00041	mg/L		06/09/26 05:45	06/10/26 16:32	1
Manganese	7.9		0.021	0.0098	mg/L		06/09/26 05:45	06/10/26 16:42	10

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Client Sample ID: MW-74

Lab Sample ID: 410-285777-12

Date Collected: 05/29/26 15:00

Matrix: Water

Date Received: 05/29/26 18:07

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		20	10	ug/L			06/12/26 20:00	20
trans-1,3-Dichloropropene	ND		20	4.0	ug/L			06/12/26 20:00	20
Ethylbenzene	ND		20	8.0	ug/L			06/12/26 20:00	20
Styrene	ND		100	6.0	ug/L			06/12/26 20:00	20
1,4-Dichlorobenzene	ND		100	6.0	ug/L			06/12/26 20:00	20
1,2-Dibromoethane	ND		20	4.0	ug/L			06/12/26 20:00	20
1,2-Dichloroethane	ND		20	6.0	ug/L			06/12/26 20:00	20
4-Methyl-2-pentanone	ND		200	10	ug/L			06/12/26 20:00	20
Methylcyclohexane	ND		100	10	ug/L			06/12/26 20:00	20
Toluene	ND		20	6.0	ug/L			06/12/26 20:00	20
Chlorobenzene	ND		20	6.0	ug/L			06/12/26 20:00	20
Cyclohexane	ND		100	20	ug/L			06/12/26 20:00	20
1,2,4-Trichlorobenzene	ND		100	6.0	ug/L			06/12/26 20:00	20
Dibromochloromethane	ND		20	4.0	ug/L			06/12/26 20:00	20
Xylenes, Total	ND		20	8.0	ug/L			06/12/26 20:00	20
Tetrachloroethene	100		20	6.0	ug/L			06/12/26 20:00	20
trans-1,2-Dichloroethene	55		40	14	ug/L			06/12/26 20:00	20
Methyl tertiary butyl ether	ND		20	4.0	ug/L			06/12/26 20:00	20
1,3-Dichlorobenzene	ND		100	14	ug/L			06/12/26 20:00	20
Carbon tetrachloride	ND		20	6.0	ug/L			06/12/26 20:00	20
2-Hexanone	ND		200	17	ug/L			06/12/26 20:00	20
Acetone	ND		400	14	ug/L			06/12/26 20:00	20
Chloroform	ND		20	6.0	ug/L			06/12/26 20:00	20
Benzene	ND		20	6.0	ug/L			06/12/26 20:00	20
1,1,1-Trichloroethane	650		20	6.0	ug/L			06/12/26 20:00	20
Bromomethane	ND		20	6.0	ug/L			06/12/26 20:00	20
Chloromethane	ND		40	11	ug/L			06/12/26 20:00	20
Chloroethane	ND		20	6.0	ug/L			06/12/26 20:00	20
Vinyl chloride	750		20	6.0	ug/L			06/12/26 20:00	20
Methylene Chloride	ND		20	6.0	ug/L			06/12/26 20:00	20
Carbon disulfide	ND		100	6.0	ug/L			06/12/26 20:00	20
Bromoform	ND		80	20	ug/L			06/12/26 20:00	20
Bromodichloromethane	ND		20	4.0	ug/L			06/12/26 20:00	20
1,1-Dichloroethane	250		20	6.0	ug/L			06/12/26 20:00	20
1,1-Dichloroethene	510		20	6.0	ug/L			06/12/26 20:00	20
Trichlorofluoromethane	ND		20	6.0	ug/L			06/12/26 20:00	20
Dichlorodifluoromethane	ND		20	6.0	ug/L			06/12/26 20:00	20
Freon 113	ND		200	6.0	ug/L			06/12/26 20:00	20
1,2-Dichloropropane	ND		20	6.0	ug/L			06/12/26 20:00	20
2-Butanone	ND		200	20	ug/L			06/12/26 20:00	20
1,1,2-Trichloroethane	ND		20	6.0	ug/L			06/12/26 20:00	20
Methyl acetate	ND		100	12	ug/L			06/12/26 20:00	20
1,1,2,2-Tetrachloroethane	ND		20	6.0	ug/L			06/12/26 20:00	20
1,2-Dichlorobenzene	ND		100	4.0	ug/L			06/12/26 20:00	20
1,2-Dibromo-3-Chloropropane	ND		100	6.0	ug/L			06/12/26 20:00	20
Isopropylbenzene	ND		100	6.0	ug/L			06/12/26 20:00	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		80 - 120		06/12/26 20:00	20
Dibromofluoromethane (Surr)	92		80 - 120		06/12/26 20:00	20

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Client Sample ID: MW-74

Lab Sample ID: 410-285777-12

Date Collected: 05/29/26 15:00

Matrix: Water

Date Received: 05/29/26 18:07

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		80 - 120		06/12/26 20:00	20
Toluene-d8 (Surr)	99		80 - 120		06/12/26 20:00	20

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	15000		2000	600	ug/L			06/12/26 14:10	2000
Trichloroethene	17000		2000	600	ug/L			06/12/26 14:10	2000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		06/12/26 14:10	2000
Dibromofluoromethane (Surr)	96		80 - 120		06/12/26 14:10	2000
4-Bromofluorobenzene (Surr)	95		80 - 120		06/12/26 14:10	2000
Toluene-d8 (Surr)	96		80 - 120		06/12/26 14:10	2000

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			05/30/26 10:59	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20	0.10	mg/L			06/12/26 13:05	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	74		3.0	0.83	ng/L		06/11/26 07:43	06/12/26 03:34	1
Perfluoropentanoic acid (PFPeA)	220		1.5	0.46	ng/L		06/11/26 07:43	06/12/26 03:34	1
Perfluorohexanoic acid (PFHxA)	130		1.5	0.38	ng/L		06/11/26 07:43	06/12/26 03:34	1
Perfluoroheptanoic acid (PFHpA)	110		1.5	0.61	ng/L		06/11/26 07:43	06/12/26 03:34	1
Perfluorooctanoic acid (PFOA)	100		1.5	0.68	ng/L		06/11/26 07:43	06/12/26 03:34	1
Perfluorononanoic acid (PFNA)	29		1.5	0.38	ng/L		06/11/26 07:43	06/12/26 03:34	1
Perfluorodecanoic acid (PFDA)	1.5		1.5	0.38	ng/L		06/11/26 07:43	06/12/26 03:34	1
Perfluoroundecanoic acid (PFUnA)	ND		1.5	0.38	ng/L		06/11/26 07:43	06/12/26 03:34	1
Perfluorododecanoic acid (PFDoA)	ND		1.5	0.38	ng/L		06/11/26 07:43	06/12/26 03:34	1
Perfluorotridecanoic acid (PFTTrDA)	ND		1.5	0.38	ng/L		06/11/26 07:43	06/12/26 03:34	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.5	0.38	ng/L		06/11/26 07:43	06/12/26 03:34	1
Perfluorobutanesulfonic acid (PFBS)	0.61	J	1.5	0.38	ng/L		06/11/26 07:43	06/12/26 03:34	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.5	0.38	ng/L		06/11/26 07:43	06/12/26 03:34	1
Perfluorohexanesulfonic acid (PFHxS)	1.3	J	1.5	0.61	ng/L		06/11/26 07:43	06/12/26 03:34	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.5	0.38	ng/L		06/11/26 07:43	06/12/26 03:34	1
Perfluorooctanesulfonic acid (PFOS)	4.4		1.5	0.99	ng/L		06/11/26 07:43	06/12/26 03:34	1
Perfluorononanesulfonic acid (PFNS)	ND		1.5	0.38	ng/L		06/11/26 07:43	06/12/26 03:34	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.5	0.38	ng/L		06/11/26 07:43	06/12/26 03:34	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.5	0.46	ng/L		06/11/26 07:43	06/12/26 03:34	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	2.0	J	3.0	0.76	ng/L		06/11/26 07:43	06/12/26 03:34	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Client Sample ID: MW-74

Lab Sample ID: 410-285777-12

Date Collected: 05/29/26 15:00

Matrix: Water

Date Received: 05/29/26 18:07

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	160		3.0	0.76	ng/L		06/11/26 07:43	06/12/26 03:34	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	48		3.0	0.76	ng/L		06/11/26 07:43	06/12/26 03:34	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.5	0.38	ng/L		06/11/26 07:43	06/12/26 03:34	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.5	0.38	ng/L		06/11/26 07:43	06/12/26 03:34	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.5	0.83	ng/L		06/11/26 07:43	06/12/26 03:34	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.5	0.38	ng/L		06/11/26 07:43	06/12/26 03:34	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.5	0.38	ng/L		06/11/26 07:43	06/12/26 03:34	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		7.6	3.0	ng/L		06/11/26 07:43	06/12/26 03:34	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		7.6	3.0	ng/L		06/11/26 07:43	06/12/26 03:34	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.5	1.1	ng/L		06/11/26 07:43	06/12/26 03:34	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.5	0.38	ng/L		06/11/26 07:43	06/12/26 03:34	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.5	0.38	ng/L		06/11/26 07:43	06/12/26 03:34	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.5	0.38	ng/L		06/11/26 07:43	06/12/26 03:34	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.5	0.38	ng/L		06/11/26 07:43	06/12/26 03:34	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.5	0.38	ng/L		06/11/26 07:43	06/12/26 03:34	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.5	0.38	ng/L		06/11/26 07:43	06/12/26 03:34	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.5	0.38	ng/L		06/11/26 07:43	06/12/26 03:34	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.0	0.76	ng/L		06/11/26 07:43	06/12/26 03:34	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		7.6	2.1	ng/L		06/11/26 07:43	06/12/26 03:34	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		7.6	1.9	ng/L		06/11/26 07:43	06/12/26 03:34	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	78.6		5 - 130	06/11/26 07:43	06/12/26 03:34	1
13C5 PFPeA	75.5		40 - 130	06/11/26 07:43	06/12/26 03:34	1
13C5 PFHxA	68.5		40 - 130	06/11/26 07:43	06/12/26 03:34	1
13C4 PFHpA	68.1		40 - 130	06/11/26 07:43	06/12/26 03:34	1
13C8 PFOA	63.1		40 - 130	06/11/26 07:43	06/12/26 03:34	1
13C9 PFNA	63.6		40 - 130	06/11/26 07:43	06/12/26 03:34	1
13C6 PFDA	59.7		40 - 130	06/11/26 07:43	06/12/26 03:34	1
13C7 PFUnA	67.8		30 - 130	06/11/26 07:43	06/12/26 03:34	1
13C2 PFTeDA	64.7		10 - 130	06/11/26 07:43	06/12/26 03:34	1
13C3 PFBS	67.6		40 - 135	06/11/26 07:43	06/12/26 03:34	1
13C3 PFHxS	65.0		40 - 130	06/11/26 07:43	06/12/26 03:34	1
13C8 PFOS	70.7		40 - 130	06/11/26 07:43	06/12/26 03:34	1
13C8 FOSA	63.0		40 - 130	06/11/26 07:43	06/12/26 03:34	1
d3-NMeFOSAA	61.7		40 - 170	06/11/26 07:43	06/12/26 03:34	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Client Sample ID: MW-74

Lab Sample ID: 410-285777-12

Date Collected: 05/29/26 15:00

Matrix: Water

Date Received: 05/29/26 18:07

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	63.1		25 - 135	06/11/26 07:43	06/12/26 03:34	1
13C2 4:2 FTS	75.2		40 - 200	06/11/26 07:43	06/12/26 03:34	1
13C2 6:2 FTS	57.8		40 - 200	06/11/26 07:43	06/12/26 03:34	1
13C2 8:2 FTS	67.5		40 - 300	06/11/26 07:43	06/12/26 03:34	1
13C3 HFPO-DA	66.6		40 - 130	06/11/26 07:43	06/12/26 03:34	1
d7-N-MeFOSE-M	51.5		10 - 130	06/11/26 07:43	06/12/26 03:34	1
d9-N-EtFOSE-M	48.1		10 - 130	06/11/26 07:43	06/12/26 03:34	1
d5-NEtPFOSA	60.1		10 - 130	06/11/26 07:43	06/12/26 03:34	1
d3-NMePFOSA	61.1		10 - 130	06/11/26 07:43	06/12/26 03:34	1
13C2 PFDoA	68.2		10 - 130	06/11/26 07:43	06/12/26 03:34	1
13C3-3:3 FTCA	95.3		20 - 150	06/11/26 07:43	06/12/26 03:34	1
13C3-5:3 FTCA	74.0		20 - 150	06/11/26 07:43	06/12/26 03:34	1
13C3-PFDoS	63.5		20 - 150	06/11/26 07:43	06/12/26 03:34	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0021	0.00057	mg/L		06/09/26 05:45	06/10/26 16:44	1
Nickel	0.0029		0.0010	0.00041	mg/L		06/09/26 05:45	06/10/26 16:44	1
Manganese	4.9		0.0021	0.00098	mg/L		06/09/26 05:45	06/10/26 16:44	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Client Sample ID: Trip Blank20260529

Lab Sample ID: 410-285777-13

Date Collected: 05/29/26 00:00

Matrix: Water

Date Received: 05/29/26 18:07

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/11/26 23:29	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/11/26 23:29	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/11/26 23:29	1
Styrene	ND		5.0	0.30	ug/L			06/11/26 23:29	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/11/26 23:29	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/11/26 23:29	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/11/26 23:29	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/11/26 23:29	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/11/26 23:29	1
Toluene	ND		1.0	0.30	ug/L			06/11/26 23:29	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/11/26 23:29	1
Cyclohexane	ND		5.0	1.0	ug/L			06/11/26 23:29	1
1,2,4-Trichlorobenzene	ND	B cn	5.0	0.30	ug/L			06/11/26 23:29	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/11/26 23:29	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/11/26 23:29	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/11/26 23:29	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/11/26 23:29	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/11/26 23:29	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/11/26 23:29	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/11/26 23:29	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/11/26 23:29	1
2-Hexanone	ND		10	0.85	ug/L			06/11/26 23:29	1
Acetone	ND		20	0.70	ug/L			06/11/26 23:29	1
Chloroform	ND		1.0	0.30	ug/L			06/11/26 23:29	1
Benzene	ND		1.0	0.30	ug/L			06/11/26 23:29	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/11/26 23:29	1
Bromomethane	ND		1.0	0.30	ug/L			06/11/26 23:29	1
Chloromethane	ND		2.0	0.55	ug/L			06/11/26 23:29	1
Chloroethane	ND		1.0	0.30	ug/L			06/11/26 23:29	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/11/26 23:29	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/11/26 23:29	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/11/26 23:29	1
Bromoform	ND		4.0	1.0	ug/L			06/11/26 23:29	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/11/26 23:29	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/11/26 23:29	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/11/26 23:29	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/11/26 23:29	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/11/26 23:29	1
Freon 113	ND		10	0.30	ug/L			06/11/26 23:29	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/11/26 23:29	1
2-Butanone	ND		10	1.0	ug/L			06/11/26 23:29	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/11/26 23:29	1
Trichloroethene	ND		1.0	0.30	ug/L			06/11/26 23:29	1
Methyl acetate	ND		5.0	0.60	ug/L			06/11/26 23:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/11/26 23:29	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/11/26 23:29	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/11/26 23:29	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/11/26 23:29	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Client Sample ID: Trip Blank20260529

Lab Sample ID: 410-285777-13

Date Collected: 05/29/26 00:00

Matrix: Water

Date Received: 05/29/26 18:07

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	97		80 - 120		06/11/26 23:29	1
Dibromofluoromethane (Surr)	105		80 - 120		06/11/26 23:29	1
4-Bromofluorobenzene (Surr)	91		80 - 120		06/11/26 23:29	1
Toluene-d8 (Surr)	94		80 - 120		06/11/26 23:29	1

Surrogate Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (80-120)	DBFM (80-120)	BFB (80-120)	TOL (80-120)
410-285777-1	MW-40	98	106	93	95
410-285777-2	MW-44A	95	105	93	97
410-285777-3	MW-44B	94	105	91	95
410-285777-4	MW-42	101	106	89	94
410-285777-5	MW-38	102	106	92	95
410-285777-6	MW-45A	96	107	90	94
410-285777-7	MW-45B	101	106	92	94
410-285777-8	MW-45C	99	104	92	94
410-285777-9	MW-37	102	107	90	94
410-285777-10	MW-67	96	104	90	96
410-285777-11	Duplicate #2	101 cn	96 cn	96 cn	97 cn
410-285777-12 - DL	MW-74	99	96	95	96
410-285777-12	MW-74	96	92	97	99
410-285777-12 MS	MW-74	98	90	98	94
410-285777-12 MSD	MW-74	98	95	98	101
410-285777-13	Trip Blank20260529	97	105	91	94
LCS 410-834006/5	Lab Control Sample	95	103	95	96
LCS 410-834116/5	Lab Control Sample	96	92	101	102
LCS 410-834634/5	Lab Control Sample	97	94	99	100
LCSD 410-834116/6	Lab Control Sample Dup	96	93	98	99
MB 410-834006/6	Method Blank	95	102	92	93
MB 410-834116/10	Method Blank	98	88	98	97
MB 410-834634/6	Method Blank	100	95	96	97

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

DBFM = Dibromofluoromethane (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

Isotope Dilution Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (5-130)	PFPeA (40-130)	13C5PHA (40-130)	C4PFHA (40-130)	C8PFOA (40-130)	C9PFNA (40-130)	C6PFDA (40-130)	13C7PUA (30-130)
410-285777-1	MW-40	86.7	90.5	85.6	92.1	89.6	86.9	78.6	80.3
410-285777-2	MW-44A	79.3	80.6	76.9	76.2	76.3	75.7	59.3	65.2
410-285777-3	MW-44B	129	88.5	81.6	84.1	79.7	78.5	67.1	68.0
410-285777-4	MW-42	82.7 cn	88.7 cn	90.0 cn	86.9 cn	83.7 cn	83.4 cn	71.9 cn	65.6 cn
410-285777-5	MW-38	80.1	87.1	86.1	85.4	81.6	85.4	71.6	77.4
410-285777-6	MW-45A	79.0	89.7	83.4	83.3	79.0	84.6	73.3	71.1
410-285777-7	MW-45B	78.7 cn	81.7 cn	80.0 cn	80.8 cn	78.7 cn	78.1 cn	72.2 cn	67.3 cn
410-285777-8	MW-45C	74.6	80.0	77.6	77.4	74.8	82.7	65.9	76.2
410-285777-9	MW-37	83.0	90.4	87.6	86.0	87.3	91.6	75.4	76.3
410-285777-10	MW-67	72.6	72.8	75.3	78.0	77.8	76.3	65.1	67.1
410-285777-11	Duplicate #2	76.5 cn	76.8 cn	78.9 cn	85.4 cn	78.7 cn	78.6 cn	67.1 cn	62.3 cn
410-285777-12	MW-74	78.6	75.5	68.5	68.1	63.1	63.6	59.7	67.8
LCS 410-833422/10-A	Lab Control Sample	76.3	77.4	77.0	80.2	76.0	78.6	66.4	66.7
LCSD 410-833422/11-A	Lab Control Sample Dup	79.4	79.7	82.3	83.7	80.8	82.2	72.0	77.0
LLCS 410-833422/12-A	Lab Control Sample	75.3	75.0	76.6	75.3	75.3	79.1	67.3	71.8
MB 410-833422/9-A	Method Blank	70.0	72.1	72.0	73.4	72.3	73.6	64.4	68.4
		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFTDA (10-130)	C3PFBS (40-135)	C3PFHS (40-130)	C8PFOS (40-130)	PFOSA (40-130)	d3NMFOS (40-170)	d5NEFOS (25-135)	M242FTS (40-200)
410-285777-1	MW-40	68.6	91.6	88.5	83.4	79.2	79.8	78.1	107
410-285777-2	MW-44A	56.6	77.5	76.0	68.0	65.7	61.7	59.2	90.5
410-285777-3	MW-44B	55.7	83.0	79.5	75.0	69.3	67.8	68.0	84.8
410-285777-4	MW-42	17.9 cn	87.8 cn	84.2 cn	80.2 cn	69.9 cn	69.6 cn	62.7 cn	95.6 cn
410-285777-5	MW-38	57.3	81.6	79.5	81.7	74.8	80.9	71.0	93.4
410-285777-6	MW-45A	57.5	83.1	87.9	81.1	74.3	69.7	78.4	88.8
410-285777-7	MW-45B	31.7 cn	81.8 cn	80.2 cn	76.9 cn	69.5 cn	66.8 cn	63.5 cn	86.4 cn
410-285777-8	MW-45C	52.3	77.9	82.4	74.4	68.9	69.7	67.4	81.0
410-285777-9	MW-37	69.9	86.7	86.8	81.3	73.6	73.9	77.3	99.7
410-285777-10	MW-67	54.8	78.7	75.2	72.6	68.6	68.4	67.6	85.6
410-285777-11	Duplicate #2	31.5 cn	86.6 cn	83.5 cn	71.2 cn	60.8 cn	66.0 cn	65.9 cn	92.4 cn
410-285777-12	MW-74	64.7	67.6	65.0	70.7	63.0	61.7	63.1	75.2
LCS 410-833422/10-A	Lab Control Sample	52.9	79.9	78.9	73.4	64.5	71.6	69.2	87.7
LCSD 410-833422/11-A	Lab Control Sample Dup	64.0	78.9	82.1	77.9	72.1	71.7	72.4	83.5
LLCS 410-833422/12-A	Lab Control Sample	58.0	74.2	73.2	74.5	69.1	68.9	68.3	77.4
MB 410-833422/9-A	Method Blank	57.3	72.6	69.1	74.6	61.0	68.6	66.3	75.6
		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M262FTS (40-200)	M282FTS (40-300)	HFPODA (40-130)	NMFM (10-130)	NEFM (10-130)	d5NPFSA (10-130)	d3NMFSA (10-130)	PFDaA (10-130)
410-285777-1	MW-40	87.8	96.7	85.1	59.8	58.3	67.5	70.7	71.1
410-285777-2	MW-44A	78.8	74.2	79.3	45.8	44.7	56.3	58.3	63.4
410-285777-3	MW-44B	83.1	92.6	83.8	48.9	44.0	57.8	60.5	63.3
410-285777-4	MW-42	105 cn	87.7 cn	80.2 cn	34.2 cn	27.4 cn	32.6 cn	39.2 cn	44.1 cn
410-285777-5	MW-38	82.4	85.8	80.4	51.6	47.2	63.8	68.0	72.0
410-285777-6	MW-45A	66.0	87.6	81.3	43.4	41.2	58.3	62.7	61.9
410-285777-7	MW-45B	113 cn	77.2 cn	77.7 cn	33.7 cn	26.0 cn	35.5 cn	41.6 cn	51.5 cn
410-285777-8	MW-45C	74.7	88.9	79.2	47.4	40.9	56.6	61.1	65.1
410-285777-9	MW-37	93.8	102	78.0	64.0	56.1	64.9	67.9	72.4
410-285777-10	MW-67	80.2	85.2	71.3	44.9	38.6	52.5	57.3	59.4
410-285777-11	Duplicate #2	108 cn	80.4 cn	75.8 cn	35.7 cn	26.9 cn	34.7 cn	40.8 cn	48.1 cn

Eurofins Lancaster Laboratories Environment Testing, LLC

Isotope Dilution Summary

Client: Groundwater & Environmental Services Inc

Job ID: 410-285777-1

Project/Site: GTAC-Bishop Tube HSCA Site

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M262FTS (40-200)	M282FTS (40-300)	HFPODA (40-130)	NMFM (10-130)	NEFM (10-130)	d5NPFSA (10-130)	d3NMFSA (10-130)	PFDaA (10-130)
410-285777-12	MW-74	57.8	67.5	66.6	51.5	48.1	60.1	61.1	68.2
LCS 410-833422/10-A	Lab Control Sample	78.5	86.5	74.1	46.0	41.0	54.4	57.4	61.9
LCSD 410-833422/11-A	Lab Control Sample Dup	88.6	90.2	80.0	51.8	45.9	60.0	62.5	68.7
LLCS 410-833422/12-A	Lab Control Sample	73.6	77.3	71.8	47.7	42.9	56.8	58.2	67.3
MB 410-833422/9-A	Method Blank	70.0	83.2	70.6	51.2	46.1	53.4	53.3	63.2

		Percent Isotope Dilution Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	13C-3:3 FTC/ (20-150)	13C-5:3 FTC/ (20-150)	3C3-PFDoA (20-150)
410-285777-1	MW-40	128	96.3	66.5
410-285777-2	MW-44A	101	87.1	54.0
410-285777-3	MW-44B	111	89.5	53.6
410-285777-4	MW-42	107 cn	93.1 cn	19.9 *5- cn
410-285777-5	MW-38	121	91.2	65.5
410-285777-6	MW-45A	113	92.7	58.8
410-285777-7	MW-45B	104 cn	85.7 cn	31.4 cn
410-285777-8	MW-45C	104	79.7	52.2
410-285777-9	MW-37	130	91.9	65.0
410-285777-10	MW-67	108	91.1	54.4
410-285777-11	Duplicate #2	115 cn	99.2 cn	30.4 cn
410-285777-12	MW-74	95.3	74.0	63.5
LCS 410-833422/10-A	Lab Control Sample	101	77.2	53.3
LCSD 410-833422/11-A	Lab Control Sample Dup	105	83.8	59.9
LLCS 410-833422/12-A	Lab Control Sample	95.9	72.4	54.4
MB 410-833422/9-A	Method Blank	89.6	67.7	56.9

Surrogate Legend

PFBA = 13C4 PFBA
 PFPeA = 13C5 PFPeA
 13C5PHA = 13C5 PFHxA
 C4PFHA = 13C4 PFHpA
 C8PFOA = 13C8 PFOA
 C9PFNA = 13C9 PFNA
 C6PFDA = 13C6 PFDA
 13C7PUA = 13C7 PFUnA
 PFTDA = 13C2 PFTeDA
 C3PFBS = 13C3 PFBS
 C3PFHS = 13C3 PFHxS
 C8PFOS = 13C8 PFOS
 PFOSA = 13C8 FOSA
 d3NMFOA = d3-NMeFOA
 d5NEFOA = d5-NEtFOA
 M242FTS = 13C2 4:2 FTS
 M262FTS = 13C2 6:2 FTS
 M282FTS = 13C2 8:2 FTS
 HFPODA = 13C3 HFPO-DA
 NMFM = d7-N-MeFOSE-M
 NEFM = d9-N-EtFOSE-M
 d5NPFSA = d5-NEtPFOSA
 d3NMFSA = d3-NMePFOSA

Isotope Dilution Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site
PFD_oA = 13C₂ PFD_oA
C₃-3:3 FTCA = 13C₃-3:3 FTCA
C₃-5:3 FTCA = 13C₃-5:3 FTCA
13C₃-PFD_oS = 13C₃-PFD_oS

Job ID: 410-285777-1

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 410-834006/6

Matrix: Water

Analysis Batch: 834006

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/11/26 23:06	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/11/26 23:06	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/11/26 23:06	1
Styrene	ND		5.0	0.30	ug/L			06/11/26 23:06	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/11/26 23:06	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/11/26 23:06	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/11/26 23:06	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/11/26 23:06	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/11/26 23:06	1
Toluene	ND		1.0	0.30	ug/L			06/11/26 23:06	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/11/26 23:06	1
Cyclohexane	ND		5.0	1.0	ug/L			06/11/26 23:06	1
1,2,4-Trichlorobenzene	0.337	J B	5.0	0.30	ug/L			06/11/26 23:06	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/11/26 23:06	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/11/26 23:06	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/11/26 23:06	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/11/26 23:06	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/11/26 23:06	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/11/26 23:06	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/11/26 23:06	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/11/26 23:06	1
2-Hexanone	ND		10	0.85	ug/L			06/11/26 23:06	1
Acetone	ND		20	0.70	ug/L			06/11/26 23:06	1
Chloroform	ND		1.0	0.30	ug/L			06/11/26 23:06	1
Benzene	ND		1.0	0.30	ug/L			06/11/26 23:06	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/11/26 23:06	1
Bromomethane	ND		1.0	0.30	ug/L			06/11/26 23:06	1
Chloromethane	ND		2.0	0.55	ug/L			06/11/26 23:06	1
Chloroethane	ND		1.0	0.30	ug/L			06/11/26 23:06	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/11/26 23:06	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/11/26 23:06	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/11/26 23:06	1
Bromoform	ND		4.0	1.0	ug/L			06/11/26 23:06	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/11/26 23:06	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/11/26 23:06	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/11/26 23:06	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/11/26 23:06	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/11/26 23:06	1
Freon 113	ND		10	0.30	ug/L			06/11/26 23:06	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/11/26 23:06	1
2-Butanone	ND		10	1.0	ug/L			06/11/26 23:06	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/11/26 23:06	1
Trichloroethene	ND		1.0	0.30	ug/L			06/11/26 23:06	1
Methyl acetate	ND		5.0	0.60	ug/L			06/11/26 23:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/11/26 23:06	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/11/26 23:06	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/11/26 23:06	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/11/26 23:06	1

Eurolins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-834006/6

Matrix: Water

Analysis Batch: 834006

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		80 - 120		06/11/26 23:06	1
Dibromofluoromethane (Surr)	102		80 - 120		06/11/26 23:06	1
4-Bromofluorobenzene (Surr)	92		80 - 120		06/11/26 23:06	1
Toluene-d8 (Surr)	93		80 - 120		06/11/26 23:06	1

Lab Sample ID: LCS 410-834006/5

Matrix: Water

Analysis Batch: 834006

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	20.0	18.8		ug/L		94	75 - 120
trans-1,3-Dichloropropene	20.0	19.3		ug/L		96	67 - 120
Ethylbenzene	20.0	20.5		ug/L		102	80 - 120
Styrene	20.0	20.8		ug/L		104	80 - 120
1,4-Dichlorobenzene	20.0	21.5		ug/L		108	80 - 120
1,2-Dibromoethane	20.0	21.1		ug/L		106	77 - 120
1,2-Dichloroethane	20.0	22.2		ug/L		111	73 - 124
4-Methyl-2-pentanone	250	251		ug/L		100	62 - 133
Methylcyclohexane	20.0	18.1		ug/L		90	60 - 121
Toluene	20.0	20.1		ug/L		101	80 - 120
Chlorobenzene	20.0	21.6		ug/L		108	80 - 120
Cyclohexane	20.0	17.7		ug/L		88	60 - 126
1,2,4-Trichlorobenzene	20.0	17.0		ug/L		85	63 - 127
Dibromochloromethane	20.0	19.7		ug/L		98	71 - 120
Xylenes, Total	60.0	60.0		ug/L		100	80 - 120
Tetrachloroethene	20.0	23.0		ug/L		115	80 - 120
cis-1,2-Dichloroethene	20.0	21.0		ug/L		105	80 - 125
trans-1,2-Dichloroethene	20.0	20.6		ug/L		103	80 - 126
Methyl tertiary butyl ether	20.0	17.7		ug/L		89	69 - 122
1,3-Dichlorobenzene	20.0	21.0		ug/L		105	80 - 120
Carbon tetrachloride	20.0	21.9		ug/L		110	64 - 134
2-Hexanone	250	232		ug/L		93	56 - 143
Acetone	250	283		ug/L		113	57 - 150
Chloroform	20.0	21.1		ug/L		105	72 - 120
Benzene	20.0	20.3		ug/L		102	80 - 120
1,1,1-Trichloroethane	20.0	20.8		ug/L		104	73 - 120
Bromomethane	20.0	17.2		ug/L		86	61 - 128
Chloromethane	20.0	16.1		ug/L		80	48 - 134
Chloroethane	20.0	18.1		ug/L		90	67 - 123
Vinyl chloride	20.0	15.9		ug/L		80	56 - 120
Methylene Chloride	20.0	21.5		ug/L		108	80 - 120
Carbon disulfide	20.0	16.7		ug/L		83	55 - 139
Bromoform	20.0	19.5		ug/L		98	63 - 128
Bromodichloromethane	20.0	20.4		ug/L		102	71 - 120
1,1-Dichloroethane	20.0	20.0		ug/L		100	80 - 126
1,1-Dichloroethene	20.0	22.9		ug/L		115	80 - 131
Trichlorofluoromethane	20.0	14.9		ug/L		74	57 - 120
Dichlorodifluoromethane	20.0	13.9		ug/L		69	40 - 127

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-834006/5

Matrix: Water

Analysis Batch: 834006

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Freon 113	20.0	18.2		ug/L		91	57 - 122
1,2-Dichloropropane	20.0	19.9		ug/L		100	80 - 120
2-Butanone	250	253		ug/L		101	59 - 135
1,1,2-Trichloroethane	20.0	20.8		ug/L		104	80 - 120
Trichloroethene	20.0	21.3		ug/L		106	80 - 120
Methyl acetate	20.0	19.8		ug/L		99	55 - 157
1,1,2,2-Tetrachloroethane	20.0	19.4		ug/L		97	72 - 127
1,2-Dichlorobenzene	20.0	20.6		ug/L		103	80 - 120
1,2-Dibromo-3-Chloropropane	20.0	16.0		ug/L		80	60 - 120
Isopropylbenzene	20.0	20.1		ug/L		100	80 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		80 - 120
Dibromofluoromethane (Surr)	103		80 - 120
4-Bromofluorobenzene (Surr)	95		80 - 120
Toluene-d8 (Surr)	96		80 - 120

Lab Sample ID: MB 410-834116/10

Matrix: Water

Analysis Batch: 834116

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/12/26 09:28	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/12/26 09:28	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/12/26 09:28	1
Styrene	ND		5.0	0.30	ug/L			06/12/26 09:28	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/12/26 09:28	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/12/26 09:28	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/12/26 09:28	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/12/26 09:28	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/12/26 09:28	1
Toluene	ND		1.0	0.30	ug/L			06/12/26 09:28	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/12/26 09:28	1
Cyclohexane	ND		5.0	1.0	ug/L			06/12/26 09:28	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/12/26 09:28	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/12/26 09:28	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/12/26 09:28	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/12/26 09:28	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/12/26 09:28	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/12/26 09:28	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/12/26 09:28	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/12/26 09:28	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/12/26 09:28	1
2-Hexanone	ND		10	0.85	ug/L			06/12/26 09:28	1
Acetone	ND		20	0.70	ug/L			06/12/26 09:28	1
Chloroform	ND		1.0	0.30	ug/L			06/12/26 09:28	1
Benzene	ND		1.0	0.30	ug/L			06/12/26 09:28	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/12/26 09:28	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-834116/10

Matrix: Water

Analysis Batch: 834116

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		1.0	0.30	ug/L			06/12/26 09:28	1
Chloromethane	ND		2.0	0.55	ug/L			06/12/26 09:28	1
Chloroethane	ND		1.0	0.30	ug/L			06/12/26 09:28	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/12/26 09:28	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/12/26 09:28	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/12/26 09:28	1
Bromoform	ND		4.0	1.0	ug/L			06/12/26 09:28	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/12/26 09:28	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/12/26 09:28	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/12/26 09:28	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/12/26 09:28	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/12/26 09:28	1
Freon 113	ND		10	0.30	ug/L			06/12/26 09:28	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/12/26 09:28	1
2-Butanone	ND		10	1.0	ug/L			06/12/26 09:28	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/12/26 09:28	1
Trichloroethene	ND		1.0	0.30	ug/L			06/12/26 09:28	1
Methyl acetate	ND		5.0	0.60	ug/L			06/12/26 09:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/12/26 09:28	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/12/26 09:28	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/12/26 09:28	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/12/26 09:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		80 - 120		06/12/26 09:28	1
Dibromofluoromethane (Surr)	88		80 - 120		06/12/26 09:28	1
4-Bromofluorobenzene (Surr)	98		80 - 120		06/12/26 09:28	1
Toluene-d8 (Surr)	97		80 - 120		06/12/26 09:28	1

Lab Sample ID: LCS 410-834116/5

Matrix: Water

Analysis Batch: 834116

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	20.0	18.5		ug/L		93	75 - 120
trans-1,3-Dichloropropene	20.0	18.9		ug/L		95	67 - 120
Ethylbenzene	20.0	19.2		ug/L		96	80 - 120
Styrene	20.0	18.4		ug/L		92	80 - 120
1,4-Dichlorobenzene	20.0	19.3		ug/L		96	80 - 120
1,2-Dibromoethane	20.0	19.9		ug/L		100	77 - 120
1,2-Dichloroethane	20.0	19.2		ug/L		96	73 - 124
4-Methyl-2-pentanone	250	262		ug/L		105	62 - 133
Methylcyclohexane	20.0	19.2		ug/L		96	60 - 121
Toluene	20.0	19.2		ug/L		96	80 - 120
Chlorobenzene	20.0	19.7		ug/L		98	80 - 120
Cyclohexane	20.0	20.7		ug/L		103	60 - 126
1,2,4-Trichlorobenzene	20.0	17.9		ug/L		90	63 - 127
Dibromochloromethane	20.0	17.9		ug/L		89	71 - 120

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-834116/5

Matrix: Water

Analysis Batch: 834116

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Xylenes, Total	60.0	56.4		ug/L		94	80 - 120
Tetrachloroethene	20.0	19.3		ug/L		96	80 - 120
cis-1,2-Dichloroethene	20.0	17.0		ug/L		85	80 - 125
trans-1,2-Dichloroethene	20.0	19.0		ug/L		95	80 - 126
Methyl tertiary butyl ether	20.0	19.0		ug/L		95	69 - 122
1,3-Dichlorobenzene	20.0	19.2		ug/L		96	80 - 120
Carbon tetrachloride	20.0	20.0		ug/L		100	64 - 134
2-Hexanone	250	270		ug/L		108	56 - 143
Acetone	250	238		ug/L		95	57 - 150
Chloroform	20.0	17.3		ug/L		87	72 - 120
Benzene	20.0	19.1		ug/L		96	80 - 120
1,1,1-Trichloroethane	20.0	19.3		ug/L		96	73 - 120
Bromomethane	20.0	18.2		ug/L		91	61 - 128
Chloromethane	20.0	17.6		ug/L		88	48 - 134
Chloroethane	20.0	21.6		ug/L		108	67 - 123
Vinyl chloride	20.0	17.3		ug/L		86	56 - 120
Methylene Chloride	20.0	20.3		ug/L		102	80 - 120
Carbon disulfide	20.0	22.3		ug/L		112	55 - 139
Bromoform	20.0	17.5		ug/L		87	63 - 128
Bromodichloromethane	20.0	18.4		ug/L		92	71 - 120
1,1-Dichloroethane	20.0	19.0		ug/L		95	80 - 126
1,1-Dichloroethene	20.0	20.9		ug/L		105	80 - 131
Trichlorofluoromethane	20.0	14.2		ug/L		71	57 - 120
Dichlorodifluoromethane	20.0	14.1		ug/L		71	40 - 127
Freon 113	20.0	21.2		ug/L		106	57 - 122
1,2-Dichloropropane	20.0	19.7		ug/L		98	80 - 120
2-Butanone	250	245		ug/L		98	59 - 135
1,1,2-Trichloroethane	20.0	20.0		ug/L		100	80 - 120
Trichloroethene	20.0	18.9		ug/L		95	80 - 120
Methyl acetate	20.0	21.1		ug/L		106	55 - 157
1,1,2,2-Tetrachloroethane	20.0	18.6		ug/L		93	72 - 127
1,2-Dichlorobenzene	20.0	19.1		ug/L		95	80 - 120
1,2-Dibromo-3-Chloropropane	20.0	17.6		ug/L		88	60 - 120
Isopropylbenzene	20.0	19.1		ug/L		95	80 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		80 - 120
Dibromofluoromethane (Surr)	92		80 - 120
4-Bromofluorobenzene (Surr)	101		80 - 120
Toluene-d8 (Surr)	102		80 - 120

Lab Sample ID: LCSD 410-834116/6

Matrix: Water

Analysis Batch: 834116

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	20.0	18.6		ug/L		93	75 - 120	1	30
trans-1,3-Dichloropropene	20.0	18.6		ug/L		93	67 - 120	2	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-834116/6

Matrix: Water

Analysis Batch: 834116

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylbenzene	20.0	19.0		ug/L		95	80 - 120	1	30
Styrene	20.0	18.5		ug/L		93	80 - 120	1	30
1,4-Dichlorobenzene	20.0	19.2		ug/L		96	80 - 120	0	30
1,2-Dibromoethane	20.0	19.8		ug/L		99	77 - 120	1	30
1,2-Dichloroethane	20.0	19.7		ug/L		99	73 - 124	3	30
4-Methyl-2-pentanone	250	267		ug/L		107	62 - 133	2	30
Methylcyclohexane	20.0	19.1		ug/L		96	60 - 121	1	30
Toluene	20.0	19.2		ug/L		96	80 - 120	0	30
Chlorobenzene	20.0	19.7		ug/L		99	80 - 120	0	30
Cyclohexane	20.0	20.3		ug/L		102	60 - 126	2	30
1,2,4-Trichlorobenzene	20.0	18.1		ug/L		91	63 - 127	1	30
Dibromochloromethane	20.0	18.1		ug/L		91	71 - 120	1	30
Xylenes, Total	60.0	56.4		ug/L		94	80 - 120	0	30
Tetrachloroethene	20.0	18.9		ug/L		95	80 - 120	2	30
cis-1,2-Dichloroethene	20.0	17.2		ug/L		86	80 - 125	1	30
trans-1,2-Dichloroethene	20.0	19.1		ug/L		96	80 - 126	1	30
Methyl tertiary butyl ether	20.0	19.6		ug/L		98	69 - 122	3	30
1,3-Dichlorobenzene	20.0	19.4		ug/L		97	80 - 120	1	30
Carbon tetrachloride	20.0	20.3		ug/L		102	64 - 134	2	30
2-Hexanone	250	270		ug/L		108	56 - 143	0	30
Acetone	250	251		ug/L		100	57 - 150	5	30
Chloroform	20.0	17.7		ug/L		88	72 - 120	2	30
Benzene	20.0	19.3		ug/L		97	80 - 120	1	30
1,1,1-Trichloroethane	20.0	19.8		ug/L		99	73 - 120	3	30
Bromomethane	20.0	14.8		ug/L		74	61 - 128	21	30
Chloromethane	20.0	18.4		ug/L		92	48 - 134	4	30
Chloroethane	20.0	17.4		ug/L		87	67 - 123	22	30
Vinyl chloride	20.0	18.9		ug/L		95	56 - 120	9	30
Methylene Chloride	20.0	19.0		ug/L		95	80 - 120	7	30
Carbon disulfide	20.0	20.7		ug/L		103	55 - 139	8	30
Bromoform	20.0	17.8		ug/L		89	63 - 128	2	30
Bromodichloromethane	20.0	18.5		ug/L		93	71 - 120	1	30
1,1-Dichloroethane	20.0	19.8		ug/L		99	80 - 126	4	30
1,1-Dichloroethene	20.0	18.3		ug/L		92	80 - 131	13	30
Trichlorofluoromethane	20.0	12.7		ug/L		63	57 - 120	12	30
Dichlorodifluoromethane	20.0	13.8		ug/L		69	40 - 127	3	30
Freon 113	20.0	18.0		ug/L		90	57 - 122	16	30
1,2-Dichloropropane	20.0	20.5		ug/L		102	80 - 120	4	30
2-Butanone	250	249		ug/L		100	59 - 135	2	30
1,1,2-Trichloroethane	20.0	19.7		ug/L		99	80 - 120	1	30
Trichloroethene	20.0	19.1		ug/L		95	80 - 120	1	30
Methyl acetate	20.0	21.0		ug/L		105	55 - 157	0	30
1,1,2,2-Tetrachloroethane	20.0	19.3		ug/L		97	72 - 127	4	30
1,2-Dichlorobenzene	20.0	19.0		ug/L		95	80 - 120	0	30
1,2-Dibromo-3-Chloropropane	20.0	18.3		ug/L		91	60 - 120	4	30
Isopropylbenzene	20.0	18.9		ug/L		94	80 - 132	1	30

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-834116/6

Matrix: Water

Analysis Batch: 834116

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		80 - 120
Dibromofluoromethane (Surr)	93		80 - 120
4-Bromofluorobenzene (Surr)	98		80 - 120
Toluene-d8 (Surr)	99		80 - 120

Lab Sample ID: MB 410-834634/6

Matrix: Water

Analysis Batch: 834634

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB							
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/12/26 19:40	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/12/26 19:40	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/12/26 19:40	1
Styrene	ND		5.0	0.30	ug/L			06/12/26 19:40	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/12/26 19:40	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/12/26 19:40	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/12/26 19:40	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/12/26 19:40	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/12/26 19:40	1
Toluene	ND		1.0	0.30	ug/L			06/12/26 19:40	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/12/26 19:40	1
Cyclohexane	ND		5.0	1.0	ug/L			06/12/26 19:40	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/12/26 19:40	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/12/26 19:40	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/12/26 19:40	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/12/26 19:40	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/12/26 19:40	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/12/26 19:40	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/12/26 19:40	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/12/26 19:40	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/12/26 19:40	1
2-Hexanone	ND		10	0.85	ug/L			06/12/26 19:40	1
Acetone	ND		20	0.70	ug/L			06/12/26 19:40	1
Chloroform	ND		1.0	0.30	ug/L			06/12/26 19:40	1
Benzene	ND		1.0	0.30	ug/L			06/12/26 19:40	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/12/26 19:40	1
Bromomethane	ND		1.0	0.30	ug/L			06/12/26 19:40	1
Chloromethane	ND		2.0	0.55	ug/L			06/12/26 19:40	1
Chloroethane	ND		1.0	0.30	ug/L			06/12/26 19:40	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/12/26 19:40	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/12/26 19:40	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/12/26 19:40	1
Bromoform	ND		4.0	1.0	ug/L			06/12/26 19:40	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/12/26 19:40	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/12/26 19:40	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/12/26 19:40	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/12/26 19:40	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/12/26 19:40	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-834634/6

Matrix: Water

Analysis Batch: 834634

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		10	0.30	ug/L			06/12/26 19:40	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/12/26 19:40	1
2-Butanone	ND		10	1.0	ug/L			06/12/26 19:40	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/12/26 19:40	1
Trichloroethene	0.347	J B	1.0	0.30	ug/L			06/12/26 19:40	1
Methyl acetate	ND		5.0	0.60	ug/L			06/12/26 19:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/12/26 19:40	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/12/26 19:40	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/12/26 19:40	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/12/26 19:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120		06/12/26 19:40	1
Dibromofluoromethane (Surr)	95		80 - 120		06/12/26 19:40	1
4-Bromofluorobenzene (Surr)	96		80 - 120		06/12/26 19:40	1
Toluene-d8 (Surr)	97		80 - 120		06/12/26 19:40	1

Lab Sample ID: LCS 410-834634/5

Matrix: Water

Analysis Batch: 834634

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	20.0	18.2		ug/L		91	75 - 120
trans-1,3-Dichloropropene	20.0	18.6		ug/L		93	67 - 120
Ethylbenzene	20.0	18.8		ug/L		94	80 - 120
Styrene	20.0	18.4		ug/L		92	80 - 120
1,4-Dichlorobenzene	20.0	19.2		ug/L		96	80 - 120
1,2-Dibromoethane	20.0	20.0		ug/L		100	77 - 120
1,2-Dichloroethane	20.0	19.9		ug/L		100	73 - 124
4-Methyl-2-pentanone	250	280		ug/L		112	62 - 133
Methylcyclohexane	20.0	20.1		ug/L		100	60 - 121
Toluene	20.0	18.7		ug/L		94	80 - 120
Chlorobenzene	20.0	19.8		ug/L		99	80 - 120
Cyclohexane	20.0	21.2		ug/L		106	60 - 126
1,2,4-Trichlorobenzene	20.0	17.0		ug/L		85	63 - 127
Dibromochloromethane	20.0	18.6		ug/L		93	71 - 120
Xylenes, Total	60.0	56.1		ug/L		94	80 - 120
Tetrachloroethene	20.0	19.0		ug/L		95	80 - 120
cis-1,2-Dichloroethene	20.0	17.6		ug/L		88	80 - 125
trans-1,2-Dichloroethene	20.0	18.8		ug/L		94	80 - 126
Methyl tertiary butyl ether	20.0	19.1		ug/L		96	69 - 122
1,3-Dichlorobenzene	20.0	19.3		ug/L		97	80 - 120
Carbon tetrachloride	20.0	20.6		ug/L		103	64 - 134
2-Hexanone	250	282		ug/L		113	56 - 143
Acetone	250	243		ug/L		97	57 - 150
Chloroform	20.0	18.2		ug/L		91	72 - 120
Benzene	20.0	19.5		ug/L		98	80 - 120
1,1,1-Trichloroethane	20.0	19.5		ug/L		98	73 - 120

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-834634/5

Matrix: Water

Analysis Batch: 834634

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	20.0	16.1		ug/L		81	61 - 128
Chloromethane	20.0	17.2		ug/L		86	48 - 134
Chloroethane	20.0	18.9		ug/L		94	67 - 123
Vinyl chloride	20.0	17.7		ug/L		89	56 - 120
Methylene Chloride	20.0	20.7		ug/L		104	80 - 120
Carbon disulfide	20.0	17.7		ug/L		88	55 - 139
Bromoform	20.0	17.5		ug/L		87	63 - 128
Bromodichloromethane	20.0	19.1		ug/L		95	71 - 120
1,1-Dichloroethane	20.0	19.4		ug/L		97	80 - 126
1,1-Dichloroethene	20.0	21.2		ug/L		106	80 - 131
Trichlorofluoromethane	20.0	14.3		ug/L		72	57 - 120
Dichlorodifluoromethane	20.0	13.0		ug/L		65	40 - 127
Freon 113	20.0	21.8		ug/L		109	57 - 122
1,2-Dichloropropane	20.0	21.0		ug/L		105	80 - 120
2-Butanone	250	266		ug/L		106	59 - 135
1,1,2-Trichloroethane	20.0	19.9		ug/L		99	80 - 120
Trichloroethene	20.0	19.7		ug/L		99	80 - 120
Methyl acetate	20.0	23.3		ug/L		116	55 - 157
1,1,2,2-Tetrachloroethane	20.0	19.6		ug/L		98	72 - 127
1,2-Dichlorobenzene	20.0	18.9		ug/L		95	80 - 120
1,2-Dibromo-3-Chloropropane	20.0	18.9		ug/L		95	60 - 120
Isopropylbenzene	20.0	18.7		ug/L		94	80 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		80 - 120
Dibromofluoromethane (Surr)	94		80 - 120
4-Bromofluorobenzene (Surr)	99		80 - 120
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: 410-285777-12 MS

Matrix: Water

Analysis Batch: 834634

Client Sample ID: MW-74

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	ND		400	406		ug/L		102	75 - 120
trans-1,3-Dichloropropene	ND		400	394		ug/L		98	67 - 120
Ethylbenzene	ND		400	416		ug/L		104	80 - 120
Styrene	ND		400	393		ug/L		98	80 - 120
1,4-Dichlorobenzene	ND		400	420		ug/L		105	80 - 120
1,2-Dibromoethane	ND		400	411		ug/L		103	77 - 120
1,2-Dichloroethane	ND		400	424		ug/L		106	73 - 124
4-Methyl-2-pentanone	ND		5000	5830		ug/L		117	62 - 133
Methylcyclohexane	ND		400	452		ug/L		113	60 - 121
Toluene	ND		400	425		ug/L		106	80 - 120
Chlorobenzene	ND		400	432		ug/L		108	80 - 120
Cyclohexane	ND		400	460		ug/L		115	60 - 126
1,2,4-Trichlorobenzene	ND		400	370		ug/L		93	63 - 127
Dibromochloromethane	ND		400	393		ug/L		98	71 - 120

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 410-285777-12 MS

Matrix: Water

Analysis Batch: 834634

Client Sample ID: MW-74

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Xylenes, Total	ND		1200	1230		ug/L		102	80 - 120
Tetrachloroethene	100		400	536		ug/L		108	80 - 120
cis-1,2-Dichloroethene	15000	E 4	400	16000	E 4	ug/L		260	80 - 125
trans-1,2-Dichloroethene	55		400	460		ug/L		101	80 - 126
Methyl tertiary butyl ether	ND		400	354		ug/L		88	69 - 122
1,3-Dichlorobenzene	ND		400	417		ug/L		104	80 - 120
Carbon tetrachloride	ND		400	434		ug/L		108	64 - 134
2-Hexanone	ND		5000	5540		ug/L		111	56 - 143
Acetone	ND		5000	5590		ug/L		112	57 - 150
Chloroform	ND		400	388		ug/L		97	72 - 120
Benzene	ND		400	425		ug/L		106	80 - 120
1,1,1-Trichloroethane	650		400	1030		ug/L		97	73 - 120
Bromomethane	ND		400	361		ug/L		90	61 - 128
Chloromethane	ND		400	408		ug/L		102	48 - 134
Chloroethane	ND		400	420		ug/L		105	67 - 123
Vinyl chloride	750		400	1140		ug/L		98	56 - 120
Methylene Chloride	ND		400	400		ug/L		100	80 - 120
Carbon disulfide	ND		400	352		ug/L		88	55 - 139
Bromoform	ND		400	363		ug/L		91	63 - 128
Bromodichloromethane	ND		400	407		ug/L		102	71 - 120
1,1-Dichloroethane	250		400	701		ug/L		112	80 - 126
1,1-Dichloroethene	510		400	904		ug/L		99	80 - 131
Trichlorofluoromethane	ND		400	317		ug/L		79	57 - 120
Dichlorodifluoromethane	ND		400	413		ug/L		103	40 - 127
Freon 113	ND		400	438		ug/L		110	57 - 122
1,2-Dichloropropane	ND		400	457		ug/L		114	80 - 120
2-Butanone	ND		5000	5030		ug/L		101	59 - 135
1,1,2-Trichloroethane	ND		400	424		ug/L		106	80 - 120
Trichloroethene	18000	E B 4	400	19000	E 4	ug/L		308	80 - 120
Methyl acetate	ND		400	442		ug/L		110	55 - 157
1,1,2,2-Tetrachloroethane	ND		400	402		ug/L		101	72 - 127
1,2-Dichlorobenzene	ND		400	406		ug/L		101	80 - 120
1,2-Dibromo-3-Chloropropane	ND		400	368		ug/L		92	60 - 120
Isopropylbenzene	ND		400	411		ug/L		103	80 - 132
Surrogate	%Recovery	MS Qualifier	MS Limits						
1,2-Dichloroethane-d4 (Surr)	98		80 - 120						
Dibromofluoromethane (Surr)	90		80 - 120						
4-Bromofluorobenzene (Surr)	98		80 - 120						
Toluene-d8 (Surr)	94		80 - 120						

Lab Sample ID: 410-285777-12 MSD

Matrix: Water

Analysis Batch: 834634

Client Sample ID: MW-74

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	ND		400	374		ug/L		93	75 - 120	8	30
trans-1,3-Dichloropropene	ND		400	385		ug/L		96	67 - 120	2	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 410-285777-12 MSD

Matrix: Water

Analysis Batch: 834634

Client Sample ID: MW-74

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylbenzene	ND		400	414		ug/L		103	80 - 120	1	30
Styrene	ND		400	388		ug/L		97	80 - 120	1	30
1,4-Dichlorobenzene	ND		400	406		ug/L		101	80 - 120	4	30
1,2-Dibromoethane	ND		400	398		ug/L		99	77 - 120	3	30
1,2-Dichloroethane	ND		400	421		ug/L		105	73 - 124	1	30
4-Methyl-2-pentanone	ND		5000	5080		ug/L		102	62 - 133	14	30
Methylcyclohexane	ND		400	427		ug/L		107	60 - 121	6	30
Toluene	ND		400	416		ug/L		104	80 - 120	2	30
Chlorobenzene	ND		400	411		ug/L		103	80 - 120	5	30
Cyclohexane	ND		400	451		ug/L		113	60 - 126	2	30
1,2,4-Trichlorobenzene	ND		400	361		ug/L		90	63 - 127	2	30
Dibromochloromethane	ND		400	370		ug/L		93	71 - 120	6	30
Xylenes, Total	ND		1200	1210		ug/L		101	80 - 120	2	30
Tetrachloroethene	100		400	522		ug/L		104	80 - 120	3	30
cis-1,2-Dichloroethene	15000	E 4	400	16100	E 4	ug/L		280	80 - 125	0	30
trans-1,2-Dichloroethene	55		400	456		ug/L		100	80 - 126	1	30
Methyl tertiary butyl ether	ND		400	363		ug/L		91	69 - 122	3	30
1,3-Dichlorobenzene	ND		400	414		ug/L		103	80 - 120	1	30
Carbon tetrachloride	ND		400	430		ug/L		107	64 - 134	1	30
2-Hexanone	ND		5000	5430		ug/L		109	56 - 143	2	30
Acetone	ND		5000	5240		ug/L		105	57 - 150	6	30
Chloroform	ND		400	392		ug/L		98	72 - 120	1	30
Benzene	ND		400	416		ug/L		104	80 - 120	2	30
1,1,1-Trichloroethane	650		400	1050		ug/L		100	73 - 120	1	30
Bromomethane	ND		400	372		ug/L		93	61 - 128	3	30
Chloromethane	ND		400	398		ug/L		100	48 - 134	3	30
Chloroethane	ND		400	437		ug/L		109	67 - 123	4	30
Vinyl chloride	750		400	1170		ug/L		106	56 - 120	3	30
Methylene Chloride	ND		400	395		ug/L		99	80 - 120	1	30
Carbon disulfide	ND		400	360		ug/L		90	55 - 139	2	30
Bromoform	ND		400	354		ug/L		89	63 - 128	2	30
Bromodichloromethane	ND		400	390		ug/L		97	71 - 120	4	30
1,1-Dichloroethane	250		400	687		ug/L		109	80 - 126	2	30
1,1-Dichloroethene	510		400	919		ug/L		103	80 - 131	2	30
Trichlorofluoromethane	ND		400	320		ug/L		80	57 - 120	1	30
Dichlorodifluoromethane	ND		400	353		ug/L		88	40 - 127	16	30
Freon 113	ND		400	444		ug/L		111	57 - 122	1	30
1,2-Dichloropropane	ND		400	434		ug/L		108	80 - 120	5	30
2-Butanone	ND		5000	4970		ug/L		99	59 - 135	1	30
1,1,2-Trichloroethane	ND		400	407		ug/L		102	80 - 120	4	30
Trichloroethene	18000	E B 4	400	18500	E 4	ug/L		185	80 - 120	3	30
Methyl acetate	ND		400	424		ug/L		106	55 - 157	4	30
1,1,2,2-Tetrachloroethane	ND		400	387		ug/L		97	72 - 127	4	30
1,2-Dichlorobenzene	ND		400	392		ug/L		98	80 - 120	3	30
1,2-Dibromo-3-Chloropropane	ND		400	353		ug/L		88	60 - 120	4	30
Isopropylbenzene	ND		400	404		ug/L		101	80 - 132	2	30

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 410-285777-12 MSD

Matrix: Water

Analysis Batch: 834634

Client Sample ID: MW-74

Prep Type: Total/NA

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		80 - 120
Dibromofluoromethane (Surr)	95		80 - 120
4-Bromofluorobenzene (Surr)	98		80 - 120
Toluene-d8 (Surr)	101		80 - 120

Method: 218.6 - Chromium, Hexavalent (Ion Chromatography)

Lab Sample ID: MB 410-825993/90

Matrix: Water

Analysis Batch: 825993

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB								
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Cr (VI)	ND		0.010	0.0050	mg/L			05/29/26 15:26	1	

Lab Sample ID: LCS 410-825993/89

Matrix: Water

Analysis Batch: 825993

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte		Spike	LCS	LCS				%Rec		
		Added	Result	Qualifier	Unit	D	%Rec	Limits		
Cr (VI)		0.100	0.105		mg/L		105	90 - 110		

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 410-834325/5

Matrix: Water

Analysis Batch: 834325

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB								
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Fluoride	ND		0.20	0.10	mg/L			06/12/26 12:03	1	

Lab Sample ID: LCS 410-834325/3

Matrix: Water

Analysis Batch: 834325

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte		Spike	LCS	LCS				%Rec		
		Added	Result	Qualifier	Unit	D	%Rec	Limits		
Fluoride		1.50	1.43		mg/L		96	90 - 110		

Lab Sample ID: LCSD 410-834325/4

Matrix: Water

Analysis Batch: 834325

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte		Spike	LCSD	LCSD				%Rec		RPD
		Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Fluoride		1.50	1.44		mg/L		96	90 - 110	1	20

Lab Sample ID: 410-285777-12 MS

Matrix: Water

Analysis Batch: 834325

Client Sample ID: MW-74

Prep Type: Dissolved

Analyte	Sample	Sample	Spike	MS	MS				%Rec	
	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Fluoride	ND		1.00	1.07		mg/L		107	90 - 110	

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: 410-285777-12 DU

Matrix: Water

Analysis Batch: 834325

Client Sample ID: MW-74

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Fluoride	ND		ND		mg/L		NC	15

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Lab Sample ID: MB 410-833422/9-A

Matrix: Water

Analysis Batch: 833834

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 833422

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.0	1.1	ng/L		06/11/26 07:43	06/11/26 23:43	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.60	ng/L		06/11/26 07:43	06/11/26 23:43	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.50	ng/L		06/11/26 07:43	06/11/26 23:43	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.80	ng/L		06/11/26 07:43	06/11/26 23:43	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.90	ng/L		06/11/26 07:43	06/11/26 23:43	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.50	ng/L		06/11/26 07:43	06/11/26 23:43	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.50	ng/L		06/11/26 07:43	06/11/26 23:43	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.50	ng/L		06/11/26 07:43	06/11/26 23:43	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.50	ng/L		06/11/26 07:43	06/11/26 23:43	1
Perfluorotridecanoic acid (PFTriDA)	ND		2.0	0.50	ng/L		06/11/26 07:43	06/11/26 23:43	1
Perfluorotetradecanoic acid (PFTeDA)	ND		2.0	0.50	ng/L		06/11/26 07:43	06/11/26 23:43	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.50	ng/L		06/11/26 07:43	06/11/26 23:43	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.50	ng/L		06/11/26 07:43	06/11/26 23:43	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.80	ng/L		06/11/26 07:43	06/11/26 23:43	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.50	ng/L		06/11/26 07:43	06/11/26 23:43	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	1.3	ng/L		06/11/26 07:43	06/11/26 23:43	1
Perfluorononanesulfonic acid (PFNS)	ND		2.0	0.50	ng/L		06/11/26 07:43	06/11/26 23:43	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.50	ng/L		06/11/26 07:43	06/11/26 23:43	1
Perfluorododecanesulfonic acid (PFDoS)	ND		2.0	0.60	ng/L		06/11/26 07:43	06/11/26 23:43	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		4.0	1.0	ng/L		06/11/26 07:43	06/11/26 23:43	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		4.0	1.0	ng/L		06/11/26 07:43	06/11/26 23:43	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		4.0	1.0	ng/L		06/11/26 07:43	06/11/26 23:43	1
Perfluorooctanesulfonamide (PFOSA)	ND		2.0	0.50	ng/L		06/11/26 07:43	06/11/26 23:43	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		2.0	0.50	ng/L		06/11/26 07:43	06/11/26 23:43	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		2.0	1.1	ng/L		06/11/26 07:43	06/11/26 23:43	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.0	0.50	ng/L		06/11/26 07:43	06/11/26 23:43	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.0	0.50	ng/L		06/11/26 07:43	06/11/26 23:43	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		10	4.0	ng/L		06/11/26 07:43	06/11/26 23:43	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		10	4.0	ng/L		06/11/26 07:43	06/11/26 23:43	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		2.0	1.4	ng/L		06/11/26 07:43	06/11/26 23:43	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 410-833422/9-A

Matrix: Water

Analysis Batch: 833834

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 833422

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.50	ng/L		06/11/26 07:43	06/11/26 23:43	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.50	ng/L		06/11/26 07:43	06/11/26 23:43	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.50	ng/L		06/11/26 07:43	06/11/26 23:43	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.50	ng/L		06/11/26 07:43	06/11/26 23:43	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		2.0	0.50	ng/L		06/11/26 07:43	06/11/26 23:43	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.50	ng/L		06/11/26 07:43	06/11/26 23:43	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.50	ng/L		06/11/26 07:43	06/11/26 23:43	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		4.0	1.0	ng/L		06/11/26 07:43	06/11/26 23:43	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		10	2.8	ng/L		06/11/26 07:43	06/11/26 23:43	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		10	2.5	ng/L		06/11/26 07:43	06/11/26 23:43	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	70.0		5 - 130	06/11/26 07:43	06/11/26 23:43	1
13C5 PFPeA	72.1		40 - 130	06/11/26 07:43	06/11/26 23:43	1
13C5 PFHxA	72.0		40 - 130	06/11/26 07:43	06/11/26 23:43	1
13C4 PFHpA	73.4		40 - 130	06/11/26 07:43	06/11/26 23:43	1
13C8 PFOA	72.3		40 - 130	06/11/26 07:43	06/11/26 23:43	1
13C9 PFNA	73.6		40 - 130	06/11/26 07:43	06/11/26 23:43	1
13C6 PFDA	64.4		40 - 130	06/11/26 07:43	06/11/26 23:43	1
13C7 PFUnA	68.4		30 - 130	06/11/26 07:43	06/11/26 23:43	1
13C2 PFTeDA	57.3		10 - 130	06/11/26 07:43	06/11/26 23:43	1
13C3 PFBS	72.6		40 - 135	06/11/26 07:43	06/11/26 23:43	1
13C3 PFHxS	69.1		40 - 130	06/11/26 07:43	06/11/26 23:43	1
13C8 PFOS	74.6		40 - 130	06/11/26 07:43	06/11/26 23:43	1
13C8 FOSA	61.0		40 - 130	06/11/26 07:43	06/11/26 23:43	1
d3-NMeFOSAA	68.6		40 - 170	06/11/26 07:43	06/11/26 23:43	1
d5-NEtFOSAA	66.3		25 - 135	06/11/26 07:43	06/11/26 23:43	1
13C2 4:2 FTS	75.6		40 - 200	06/11/26 07:43	06/11/26 23:43	1
13C2 6:2 FTS	70.0		40 - 200	06/11/26 07:43	06/11/26 23:43	1
13C2 8:2 FTS	83.2		40 - 300	06/11/26 07:43	06/11/26 23:43	1
13C3 HFPO-DA	70.6		40 - 130	06/11/26 07:43	06/11/26 23:43	1
d7-N-MeFOSE-M	51.2		10 - 130	06/11/26 07:43	06/11/26 23:43	1
d9-N-EtFOSE-M	46.1		10 - 130	06/11/26 07:43	06/11/26 23:43	1
d5-NEtPFOSA	53.4		10 - 130	06/11/26 07:43	06/11/26 23:43	1
d3-NMePFOSA	53.3		10 - 130	06/11/26 07:43	06/11/26 23:43	1
13C2 PFDoA	63.2		10 - 130	06/11/26 07:43	06/11/26 23:43	1
13C3-3:3 FTCA	89.6		20 - 150	06/11/26 07:43	06/11/26 23:43	1
13C3-5:3 FTCA	67.7		20 - 150	06/11/26 07:43	06/11/26 23:43	1
13C3-PFDoS	56.9		20 - 150	06/11/26 07:43	06/11/26 23:43	1

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-833422/10-A

Matrix: Water

Analysis Batch: 833834

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 833422

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
	Added	Result	Qualifier				Limits
Perfluorobutanoic acid (PFBA)	80.0	84.2		ng/L		105	70 - 140
Perfluoropentanoic acid (PFPeA)	40.0	42.0		ng/L		105	65 - 135
Perfluorohexanoic acid (PFHxA)	40.0	41.3		ng/L		103	70 - 145
Perfluoroheptanoic acid (PFHpA)	40.0	40.7		ng/L		102	70 - 150
Perfluorooctanoic acid (PFOA)	40.0	38.3		ng/L		96	70 - 150
Perfluorononanoic acid (PFNA)	40.0	38.9		ng/L		97	70 - 150
Perfluorodecanoic acid (PFDA)	40.0	41.4		ng/L		104	70 - 140
Perfluoroundecanoic acid (PFUnA)	40.0	36.9		ng/L		92	70 - 145
Perfluorododecanoic acid (PFDoA)	40.0	38.1		ng/L		95	70 - 140
Perfluorotridecanoic acid (PFTrDA)	40.0	39.9		ng/L		100	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	40.0	43.7		ng/L		109	60 - 140
Perfluorobutanesulfonic acid (PFBS)	35.5	36.6		ng/L		103	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	37.6	37.9		ng/L		101	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	36.5	36.2		ng/L		99	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	38.2	39.1		ng/L		102	70 - 150
Perfluorooctanesulfonic acid (PFOS)	37.2	36.7		ng/L		99	55 - 150
Perfluorononanesulfonic acid (PFNS)	38.5	34.1		ng/L		89	65 - 145
Perfluorodecanesulfonic acid (PFDS)	38.6	31.7		ng/L		82	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	38.8	39.8		ng/L		103	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	75.0	68.9		ng/L		92	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	76.2	75.7		ng/L		99	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	76.8	75.9		ng/L		99	60 - 150
Perfluorooctanesulfonamide (PFOSA)	40.0	39.4		ng/L		98	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	40.0	40.7		ng/L		102	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	40.0	39.9		ng/L		100	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	37.8		ng/L		94	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	37.7		ng/L		94	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	200	186		ng/L		93	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	200	200		ng/L		100	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	30.1	31.5		ng/L		105	70 - 140

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-833422/10-A

Matrix: Water

Analysis Batch: 833834

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 833422

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	41.0		ng/L		108	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	40.0	46.8		ng/L		117	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	40.0	39.6		ng/L		99	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	40.0	37.4		ng/L		94	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	37.4	35.4		ng/L		95	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	37.8	31.3		ng/L		83	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	35.7	36.8		ng/L		103	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	80.0	68.7		ng/L		86	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	200	179		ng/L		90	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	200	176		ng/L		88	50 - 145

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFBA	76.3		5 - 130
13C5 PFPeA	77.4		40 - 130
13C5 PFHxA	77.0		40 - 130
13C4 PFHpA	80.2		40 - 130
13C8 PFOA	76.0		40 - 130
13C9 PFNA	78.6		40 - 130
13C6 PFDA	66.4		40 - 130
13C7 PFUnA	66.7		30 - 130
13C2 PFTeDA	52.9		10 - 130
13C3 PFBS	79.9		40 - 135
13C3 PFHxS	78.9		40 - 130
13C8 PFOS	73.4		40 - 130
13C8 FOSA	64.5		40 - 130
d3-NMeFOSAA	71.6		40 - 170
d5-NEtFOSAA	69.2		25 - 135
13C2 4:2 FTS	87.7		40 - 200
13C2 6:2 FTS	78.5		40 - 200
13C2 8:2 FTS	86.5		40 - 300
13C3 HFPO-DA	74.1		40 - 130
d7-N-MeFOSE-M	46.0		10 - 130
d9-N-EtFOSE-M	41.0		10 - 130
d5-NEtPFOSA	54.4		10 - 130
d3-NMePFOSA	57.4		10 - 130
13C2 PFDaA	61.9		10 - 130
13C3-3:3 FTCA	101		20 - 150
13C3-5:3 FTCA	77.2		20 - 150
13C3-PFDoS	53.3		20 - 150

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCSD 410-833422/11-A

Matrix: Water

Analysis Batch: 833834

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 833422

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	Limit
	Added	Result	Qualifier				Limits		
Perfluorobutanoic acid (PFBA)	80.0	85.4		ng/L		107	70 - 140	1	30
Perfluoropentanoic acid (PFPeA)	40.0	42.3		ng/L		106	65 - 135	1	30
Perfluorohexanoic acid (PFHxA)	40.0	41.7		ng/L		104	70 - 145	1	30
Perfluoroheptanoic acid (PFHpA)	40.0	39.3		ng/L		98	70 - 150	3	30
Perfluorooctanoic acid (PFOA)	40.0	37.9		ng/L		95	70 - 150	1	30
Perfluorononanoic acid (PFNA)	40.0	35.2		ng/L		88	70 - 150	10	30
Perfluorodecanoic acid (PFDA)	40.0	40.9		ng/L		102	70 - 140	1	30
Perfluoroundecanoic acid (PFUnA)	40.0	38.5		ng/L		96	70 - 145	4	30
Perfluorododecanoic acid (PFDoA)	40.0	37.9		ng/L		95	70 - 140	1	30
Perfluorotridecanoic acid (PFTrDA)	40.0	37.0		ng/L		92	65 - 140	8	30
Perfluorotetradecanoic acid (PFTeDA)	40.0	40.8		ng/L		102	60 - 140	7	30
Perfluorobutanesulfonic acid (PFBS)	35.5	37.1		ng/L		104	60 - 145	1	30
Perfluoropentanesulfonic acid (PFPeS)	37.6	36.5		ng/L		97	65 - 140	4	30
Perfluorohexanesulfonic acid (PFHxS)	36.5	36.1		ng/L		99	65 - 145	0	30
Perfluoroheptanesulfonic acid (PFHpS)	38.2	38.9		ng/L		102	70 - 150	0	30
Perfluorooctanesulfonic acid (PFOS)	37.2	36.1		ng/L		97	55 - 150	2	30
Perfluorononanesulfonic acid (PFNS)	38.5	35.1		ng/L		91	65 - 145	3	30
Perfluorodecanesulfonic acid (PFDS)	38.6	33.2		ng/L		86	60 - 145	5	30
Perfluorododecanesulfonic acid (PFDoS)	38.8	38.5		ng/L		99	50 - 145	3	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	75.0	75.7		ng/L		101	70 - 145	9	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	76.2	68.7		ng/L		90	65 - 155	10	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	76.8	70.6		ng/L		92	60 - 150	7	30
Perfluorooctanesulfonamide (PFOSA)	40.0	39.1		ng/L		98	70 - 145	1	30
N-methylperfluorooctane sulfonamide (NMeFOSA)	40.0	42.0		ng/L		105	60 - 150	3	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	40.0	40.0		ng/L		100	65 - 145	0	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	37.1		ng/L		93	50 - 140	2	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	37.3		ng/L		93	70 - 145	1	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	200	191		ng/L		95	70 - 145	3	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	200	207		ng/L		103	70 - 135	4	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	30.1	31.1		ng/L		103	70 - 140	1	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCSD 410-833422/11-A

Matrix: Water

Analysis Batch: 833834

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 833422

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	40.5		ng/L		107	65 - 145	1	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	40.0	49.0		ng/L		122	55 - 140	5	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	40.0	41.9		ng/L		105	60 - 150	6	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	40.0	37.8		ng/L		94	50 - 150	1	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	37.4	36.2		ng/L		97	70 - 155	2	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	37.8	32.3		ng/L		86	55 - 160	3	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	35.7	35.0		ng/L		98	70 - 140	5	30
3-Perfluoropropylpropanoic acid (3:3 FTCA)	80.0	73.3		ng/L		92	65 - 130	7	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)	200	170		ng/L		85	70 - 135	5	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	200	165		ng/L		82	50 - 145	7	30

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
13C4 PFBA	79.4		5 - 130
13C5 PFPeA	79.7		40 - 130
13C5 PFHxA	82.3		40 - 130
13C4 PFHpA	83.7		40 - 130
13C8 PFOA	80.8		40 - 130
13C9 PFNA	82.2		40 - 130
13C6 PFDA	72.0		40 - 130
13C7 PFUnA	77.0		30 - 130
13C2 PFTeDA	64.0		10 - 130
13C3 PFBS	78.9		40 - 135
13C3 PFHxS	82.1		40 - 130
13C8 PFOS	77.9		40 - 130
13C8 FOSA	72.1		40 - 130
d3-NMeFOSAA	71.7		40 - 170
d5-NEtFOSAA	72.4		25 - 135
13C2 4:2 FTS	83.5		40 - 200
13C2 6:2 FTS	88.6		40 - 200
13C2 8:2 FTS	90.2		40 - 300
13C3 HFPO-DA	80.0		40 - 130
d7-N-MeFOSE-M	51.8		10 - 130
d9-N-EtFOSE-M	45.9		10 - 130
d5-NEtPFOSA	60.0		10 - 130
d3-NMePFOSA	62.5		10 - 130
13C2 PFDaA	68.7		10 - 130
13C3-3:3 FTCA	105		20 - 150
13C3-5:3 FTCA	83.8		20 - 150
13C3-PFDoS	59.9		20 - 150

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 410-833422/12-A

Matrix: Water

Analysis Batch: 833834

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 833422

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	8.00	8.85		ng/L		111	70 - 140
Perfluoropentanoic acid (PFPeA)	4.00	4.68		ng/L		117	65 - 135
Perfluorohexanoic acid (PFHxA)	4.00	4.01		ng/L		100	70 - 145
Perfluoroheptanoic acid (PFHpA)	4.00	4.03		ng/L		101	70 - 150
Perfluorooctanoic acid (PFOA)	4.00	4.40		ng/L		110	70 - 150
Perfluorononanoic acid (PFNA)	4.00	4.99		ng/L		125	70 - 150
Perfluorodecanoic acid (PFDA)	4.00	4.54		ng/L		114	70 - 140
Perfluoroundecanoic acid (PFUnA)	4.00	4.39		ng/L		110	70 - 145
Perfluorododecanoic acid (PFDoA)	4.00	4.26		ng/L		107	70 - 140
Perfluorotridecanoic acid (PFTrDA)	4.00	4.00		ng/L		100	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	4.00	4.38		ng/L		109	60 - 140
Perfluorobutanesulfonic acid (PFBS)	3.55	3.59		ng/L		101	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	3.76	4.26		ng/L		113	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	3.65	4.13		ng/L		113	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	3.82	3.96		ng/L		104	70 - 150
Perfluorooctanesulfonic acid (PFOS)	3.72	3.88		ng/L		104	55 - 150
Perfluorononanesulfonic acid (PFNS)	3.85	3.73		ng/L		97	65 - 145
Perfluorodecanesulfonic acid (PFDS)	3.86	3.31		ng/L		86	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	3.88	3.27		ng/L		84	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	7.50	7.71		ng/L		103	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	7.62	7.50		ng/L		98	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	7.68	6.62		ng/L		86	60 - 150
Perfluorooctanesulfonamide (PFOSA)	4.00	3.98		ng/L		99	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	4.00	4.09		ng/L		102	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	4.00	3.95		ng/L		99	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.00	4.55		ng/L		114	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.00	3.66		ng/L		91	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	20.0	20.9		ng/L		104	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	20.0	23.3		ng/L		116	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	3.01	3.29		ng/L		109	70 - 140

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 410-833422/12-A

Matrix: Water

Analysis Batch: 833834

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 833422

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.78	4.26		ng/L		113	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.00	4.56		ng/L		114	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.00	3.83		ng/L		96	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.00	4.56		ng/L		114	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	3.74	3.58		ng/L		96	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	3.78	3.23		ng/L		85	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	3.57	3.38		ng/L		95	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	8.00	8.99		ng/L		112	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	20.0	20.4		ng/L		102	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	20.0	25.8		ng/L		129	50 - 145

Isotope Dilution	LLCS %Recovery	LLCS Qualifier	Limits
13C4 PFBA	75.3		5 - 130
13C5 PFPeA	75.0		40 - 130
13C5 PFHxA	76.6		40 - 130
13C4 PFHpA	75.3		40 - 130
13C8 PFOA	75.3		40 - 130
13C9 PFNA	79.1		40 - 130
13C6 PFDA	67.3		40 - 130
13C7 PFUnA	71.8		30 - 130
13C2 PFTeDA	58.0		10 - 130
13C3 PFBS	74.2		40 - 135
13C3 PFHxS	73.2		40 - 130
13C8 PFOS	74.5		40 - 130
13C8 FOSA	69.1		40 - 130
d3-NMeFOSAA	68.9		40 - 170
d5-NEtFOSAA	68.3		25 - 135
13C2 4:2 FTS	77.4		40 - 200
13C2 6:2 FTS	73.6		40 - 200
13C2 8:2 FTS	77.3		40 - 300
13C3 HFPO-DA	71.8		40 - 130
d7-N-MeFOSE-M	47.7		10 - 130
d9-N-EtFOSE-M	42.9		10 - 130
d5-NEtPFOSA	56.8		10 - 130
d3-NMePFOSA	58.2		10 - 130
13C2 PFDaA	67.3		10 - 130
13C3-3:3 FTCA	95.9		20 - 150
13C3-5:3 FTCA	72.4		20 - 150
13C3-PFDaS	54.4		20 - 150

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 410-831700/1-A

Matrix: Water

Analysis Batch: 833090

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 831700

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0021	0.00057	mg/L		06/09/26 05:45	06/10/26 15:07	1
Nickel	ND		0.0010	0.00041	mg/L		06/09/26 05:45	06/10/26 15:07	1
Manganese	ND		0.0021	0.00098	mg/L		06/09/26 05:45	06/10/26 15:07	1

Lab Sample ID: LCS 410-831700/2-A

Matrix: Water

Analysis Batch: 833090

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 831700

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	0.500	0.491		mg/L		98	84 - 113
Nickel	0.500	0.496		mg/L		99	85 - 113
Manganese	0.500	0.498		mg/L		100	84 - 113

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

GC/MS VOA

Analysis Batch: 834006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-285777-1	MW-40	Total/NA	Water	8260D	
410-285777-2	MW-44A	Total/NA	Water	8260D	
410-285777-3	MW-44B	Total/NA	Water	8260D	
410-285777-4	MW-42	Total/NA	Water	8260D	
410-285777-5	MW-38	Total/NA	Water	8260D	
410-285777-6	MW-45A	Total/NA	Water	8260D	
410-285777-7	MW-45B	Total/NA	Water	8260D	
410-285777-8	MW-45C	Total/NA	Water	8260D	
410-285777-9	MW-37	Total/NA	Water	8260D	
410-285777-10	MW-67	Total/NA	Water	8260D	
410-285777-13	Trip Blank20260529	Total/NA	Water	8260D	
MB 410-834006/6	Method Blank	Total/NA	Water	8260D	
LCS 410-834006/5	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 834116

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-285777-11	Duplicate #2	Total/NA	Water	8260D	
410-285777-12 - DL	MW-74	Total/NA	Water	8260D	
MB 410-834116/10	Method Blank	Total/NA	Water	8260D	
LCS 410-834116/5	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-834116/6	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 834634

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-285777-12	MW-74	Total/NA	Water	8260D	
MB 410-834634/6	Method Blank	Total/NA	Water	8260D	
LCS 410-834634/5	Lab Control Sample	Total/NA	Water	8260D	
410-285777-12 MS	MW-74	Total/NA	Water	8260D	
410-285777-12 MSD	MW-74	Total/NA	Water	8260D	

HPLC/IC

Analysis Batch: 825993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-285777-10	MW-67	Dissolved	Water	218.6	
410-285777-11	Duplicate #2	Dissolved	Water	218.6	
410-285777-12	MW-74	Dissolved	Water	218.6	
MB 410-825993/90	Method Blank	Total/NA	Water	218.6	
LCS 410-825993/89	Lab Control Sample	Total/NA	Water	218.6	

Filtration Batch: 834312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-285777-10	MW-67	Dissolved	Water	FILTRATION	
410-285777-11	Duplicate #2	Dissolved	Water	FILTRATION	
410-285777-12	MW-74	Dissolved	Water	FILTRATION	
410-285777-12 MS	MW-74	Dissolved	Water	FILTRATION	
410-285777-12 DU	MW-74	Dissolved	Water	FILTRATION	

Analysis Batch: 834325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-285777-10	MW-67	Dissolved	Water	9056A	834312

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

HPLC/IC (Continued)

Analysis Batch: 834325 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-285777-11	Duplicate #2	Dissolved	Water	9056A	834312
410-285777-12	MW-74	Dissolved	Water	9056A	834312
MB 410-834325/5	Method Blank	Total/NA	Water	9056A	
LCS 410-834325/3	Lab Control Sample	Total/NA	Water	9056A	
LCSD 410-834325/4	Lab Control Sample Dup	Total/NA	Water	9056A	
410-285777-12 MS	MW-74	Dissolved	Water	9056A	834312
410-285777-12 DU	MW-74	Dissolved	Water	9056A	834312

LCMS

Prep Batch: 833422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-285777-1	MW-40	Total/NA	Water	1633A	
410-285777-2	MW-44A	Total/NA	Water	1633A	
410-285777-3	MW-44B	Total/NA	Water	1633A	
410-285777-4	MW-42	Total/NA	Water	1633A	
410-285777-5	MW-38	Total/NA	Water	1633A	
410-285777-6	MW-45A	Total/NA	Water	1633A	
410-285777-7	MW-45B	Total/NA	Water	1633A	
410-285777-8	MW-45C	Total/NA	Water	1633A	
410-285777-9	MW-37	Total/NA	Water	1633A	
410-285777-10	MW-67	Total/NA	Water	1633A	
410-285777-11	Duplicate #2	Total/NA	Water	1633A	
410-285777-12	MW-74	Total/NA	Water	1633A	
MB 410-833422/9-A	Method Blank	Total/NA	Water	1633A	
LCS 410-833422/10-A	Lab Control Sample	Total/NA	Water	1633A	
LCSD 410-833422/11-A	Lab Control Sample Dup	Total/NA	Water	1633A	
LLCS 410-833422/12-A	Lab Control Sample	Total/NA	Water	1633A	

Analysis Batch: 833834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-285777-1	MW-40	Total/NA	Water	1633A	833422
410-285777-2	MW-44A	Total/NA	Water	1633A	833422
410-285777-3	MW-44B	Total/NA	Water	1633A	833422
410-285777-4	MW-42	Total/NA	Water	1633A	833422
410-285777-5	MW-38	Total/NA	Water	1633A	833422
410-285777-6	MW-45A	Total/NA	Water	1633A	833422
410-285777-7	MW-45B	Total/NA	Water	1633A	833422
410-285777-8	MW-45C	Total/NA	Water	1633A	833422
410-285777-9	MW-37	Total/NA	Water	1633A	833422
410-285777-10	MW-67	Total/NA	Water	1633A	833422
410-285777-11	Duplicate #2	Total/NA	Water	1633A	833422
410-285777-12	MW-74	Total/NA	Water	1633A	833422
MB 410-833422/9-A	Method Blank	Total/NA	Water	1633A	833422
LCS 410-833422/10-A	Lab Control Sample	Total/NA	Water	1633A	833422
LCSD 410-833422/11-A	Lab Control Sample Dup	Total/NA	Water	1633A	833422
LLCS 410-833422/12-A	Lab Control Sample	Total/NA	Water	1633A	833422

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Metals

Filtration Batch: 827120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-285777-10	MW-67	Dissolved	Water	Filtration	
410-285777-11	Duplicate #2	Dissolved	Water	Filtration	
410-285777-12	MW-74	Dissolved	Water	Filtration	

Prep Batch: 831700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-285777-10	MW-67	Dissolved	Water	Non-Digest Prep	827120
410-285777-11	Duplicate #2	Dissolved	Water	Non-Digest Prep	827120
410-285777-12	MW-74	Dissolved	Water	Non-Digest Prep	827120
MB 410-831700/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-831700/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	

Analysis Batch: 833090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-285777-10	MW-67	Dissolved	Water	6020B	831700
410-285777-11	Duplicate #2	Dissolved	Water	6020B	831700
410-285777-11	Duplicate #2	Dissolved	Water	6020B	831700
410-285777-12	MW-74	Dissolved	Water	6020B	831700
MB 410-831700/1-A	Method Blank	Total/NA	Water	6020B	831700
LCS 410-831700/2-A	Lab Control Sample	Total/NA	Water	6020B	831700

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Client Sample ID: MW-40

Date Collected: 05/29/26 09:25

Date Received: 05/29/26 18:07

Lab Sample ID: 410-285777-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	834006	Y6ZN	ELLE	06/12/26 00:59
Total/NA	Prep	1633A			833422	KZ5A	ELLE	06/11/26 07:43
Total/NA	Analysis	1633A		1	833834	VGQ7	ELLE	06/12/26 00:38

Client Sample ID: MW-44A

Date Collected: 05/29/26 09:40

Date Received: 05/29/26 18:07

Lab Sample ID: 410-285777-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		5	834006	Y6ZN	ELLE	06/12/26 04:45
Total/NA	Prep	1633A			833422	KZ5A	ELLE	06/11/26 07:43
Total/NA	Analysis	1633A		1	833834	VGQ7	ELLE	06/12/26 00:51

Client Sample ID: MW-44B

Date Collected: 05/29/26 09:55

Date Received: 05/29/26 18:07

Lab Sample ID: 410-285777-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		2	834006	Y6ZN	ELLE	06/12/26 05:30
Total/NA	Prep	1633A			833422	KZ5A	ELLE	06/11/26 07:43
Total/NA	Analysis	1633A		1	833834	VGQ7	ELLE	06/12/26 01:05

Client Sample ID: MW-42

Date Collected: 05/29/26 11:15

Date Received: 05/29/26 18:07

Lab Sample ID: 410-285777-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		5	834006	Y6ZN	ELLE	06/12/26 06:15
Total/NA	Prep	1633A			833422	KZ5A	ELLE	06/11/26 07:43
Total/NA	Analysis	1633A		1	833834	VGQ7	ELLE	06/12/26 01:18

Client Sample ID: MW-38

Date Collected: 05/29/26 11:30

Date Received: 05/29/26 18:07

Lab Sample ID: 410-285777-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		5	834006	Y6ZN	ELLE	06/12/26 07:01
Total/NA	Prep	1633A			833422	KZ5A	ELLE	06/11/26 07:43
Total/NA	Analysis	1633A		1	833834	VGQ7	ELLE	06/12/26 01:32

Client Sample ID: MW-45A

Date Collected: 05/29/26 13:25

Date Received: 05/29/26 18:07

Lab Sample ID: 410-285777-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	834006	Y6ZN	ELLE	06/12/26 01:21

Eurofins Lancaster Laboratories Environment Testing, LLC

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Client Sample ID: MW-45A

Date Collected: 05/29/26 13:25

Date Received: 05/29/26 18:07

Lab Sample ID: 410-285777-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633A			833422	KZ5A	ELLE	06/11/26 07:43
Total/NA	Analysis	1633A		1	833834	VGQ7	ELLE	06/12/26 01:46

Client Sample ID: MW-45B

Date Collected: 05/29/26 13:40

Date Received: 05/29/26 18:07

Lab Sample ID: 410-285777-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	834006	Y6ZN	ELLE	06/12/26 01:44
Total/NA	Prep	1633A			833422	KZ5A	ELLE	06/11/26 07:43
Total/NA	Analysis	1633A		1	833834	VGQ7	ELLE	06/12/26 02:26

Client Sample ID: MW-45C

Date Collected: 05/29/26 13:55

Date Received: 05/29/26 18:07

Lab Sample ID: 410-285777-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	834006	Y6ZN	ELLE	06/12/26 07:47
Total/NA	Prep	1633A			833422	KZ5A	ELLE	06/11/26 07:43
Total/NA	Analysis	1633A		1	833834	VGQ7	ELLE	06/12/26 02:40

Client Sample ID: MW-37

Date Collected: 05/29/26 14:45

Date Received: 05/29/26 18:07

Lab Sample ID: 410-285777-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	834006	Y6ZN	ELLE	06/12/26 02:06
Total/NA	Prep	1633A			833422	KZ5A	ELLE	06/11/26 07:43
Total/NA	Analysis	1633A		1	833834	VGQ7	ELLE	06/12/26 02:53

Client Sample ID: MW-67

Date Collected: 05/29/26 14:00

Date Received: 05/29/26 18:07

Lab Sample ID: 410-285777-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		20	834006	Y6ZN	ELLE	06/12/26 08:32
Dissolved	Analysis	218.6		1	825993	RAC6	ELLE	05/30/26 10:44
Dissolved	Filtration	FILTRATION			834312	L4QM	ELLE	06/12/26 09:37
Dissolved	Analysis	9056A		1	834325	L4QM	ELLE	06/12/26 12:40
Total/NA	Prep	1633A			833422	KZ5A	ELLE	06/11/26 07:43
Total/NA	Analysis	1633A		1	833834	VGQ7	ELLE	06/12/26 03:07
Dissolved	Filtration	Filtration			827120	UDL9	ELLE	06/01/26 10:35
Dissolved	Prep	Non-Digest Prep			831700	UAMX	ELLE	06/09/26 05:45
Dissolved	Analysis	6020B		1	833090	I9IN	ELLE	06/10/26 16:30

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Client Sample ID: Duplicate #2

Date Collected: 05/29/26 14:20

Date Received: 05/29/26 18:07

Lab Sample ID: 410-285777-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		20	834116	ULCP	ELLE	06/12/26 13:31
Dissolved	Analysis	218.6		1	825993	RAC6	ELLE	05/30/26 10:52
Dissolved	Filtration	FILTRATION			834312	L4QM	ELLE	06/12/26 09:37
Dissolved	Analysis	9056A		1	834325	L4QM	ELLE	06/12/26 12:52
Total/NA	Prep	1633A			833422	KZ5A	ELLE	06/11/26 07:43
Total/NA	Analysis	1633A		1	833834	VGQ7	ELLE	06/12/26 03:21
Dissolved	Filtration	Filtration			827120	UDL9	ELLE	06/01/26 10:35
Dissolved	Prep	Non-Digest Prep			831700	UAMX	ELLE	06/09/26 05:45
Dissolved	Analysis	6020B		1	833090	I9IN	ELLE	06/10/26 16:32
Dissolved	Filtration	Filtration			827120	UDL9	ELLE	06/01/26 10:35
Dissolved	Prep	Non-Digest Prep			831700	UAMX	ELLE	06/09/26 05:45
Dissolved	Analysis	6020B		10	833090	I9IN	ELLE	06/10/26 16:42

Client Sample ID: MW-74

Date Collected: 05/29/26 15:00

Date Received: 05/29/26 18:07

Lab Sample ID: 410-285777-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D	DL	2000	834116	ULCP	ELLE	06/12/26 14:10
Total/NA	Analysis	8260D		20	834634	Y6ZN	ELLE	06/12/26 20:00
Dissolved	Analysis	218.6		1	825993	RAC6	ELLE	05/30/26 10:59
Dissolved	Filtration	FILTRATION			834312	L4QM	ELLE	06/12/26 09:37
Dissolved	Analysis	9056A		1	834325	L4QM	ELLE	06/12/26 13:05
Total/NA	Prep	1633A			833422	KZ5A	ELLE	06/11/26 07:43
Total/NA	Analysis	1633A		1	833834	VGQ7	ELLE	06/12/26 03:34
Dissolved	Filtration	Filtration			827120	UDL9	ELLE	06/01/26 10:35
Dissolved	Prep	Non-Digest Prep			831700	UAMX	ELLE	06/09/26 05:45
Dissolved	Analysis	6020B		1	833090	I9IN	ELLE	06/10/26 16:44

Client Sample ID: Trip Blank20260529

Date Collected: 05/29/26 00:00

Date Received: 05/29/26 18:07

Lab Sample ID: 410-285777-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	834006	Y6ZN	ELLE	06/11/26 23:29

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Pennsylvania	NELAP	36-00037	01-31-27

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Method Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	ELLE
218.6	Chromium, Hexavalent (Ion Chromatography)	EPA	ELLE
9056A	Anions, Ion Chromatography	SW846	ELLE
1633A	Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A	EPA	ELLE
6020B	Metals (ICP/MS)	SW846	ELLE
1633A	Solid-Phase Extraction (SPE)	EPA	ELLE
5030C	Purge and Trap	SW846	ELLE
FILTRATION	Sample Filtration	None	ELLE
Non-Digest Prep	Preparation, Non-Digested Aqueous Metals	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-285777-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
410-285777-1	MW-40	Water	05/29/26 09:25	05/29/26 18:07	Pennsylvania
410-285777-2	MW-44A	Water	05/29/26 09:40	05/29/26 18:07	Pennsylvania
410-285777-3	MW-44B	Water	05/29/26 09:55	05/29/26 18:07	Pennsylvania
410-285777-4	MW-42	Water	05/29/26 11:15	05/29/26 18:07	Pennsylvania
410-285777-5	MW-38	Water	05/29/26 11:30	05/29/26 18:07	Pennsylvania
410-285777-6	MW-45A	Water	05/29/26 13:25	05/29/26 18:07	Pennsylvania
410-285777-7	MW-45B	Water	05/29/26 13:40	05/29/26 18:07	Pennsylvania
410-285777-8	MW-45C	Water	05/29/26 13:55	05/29/26 18:07	Pennsylvania
410-285777-9	MW-37	Water	05/29/26 14:45	05/29/26 18:07	Pennsylvania
410-285777-10	MW-67	Water	05/29/26 14:00	05/29/26 18:07	Pennsylvania
410-285777-11	Duplicate #2	Water	05/29/26 14:20	05/29/26 18:07	Pennsylvania
410-285777-12	MW-74	Water	05/29/26 15:00	05/29/26 18:07	Pennsylvania
410-285777-13	Trip Blank20260529	Water	05/29/26 00:00	05/29/26 18:07	Pennsylvania



410-285777 Chain of Custody

Environmental Analysis Request



Lancaster Laboratories
Environmental

Acct # _____ Group # _____ Sample # _____

Client Name: Groundwater & Environmental Services, Inc		Acct #:		Matrix		Analyses Requested										For Lab Use Only					
Project Name/ #: GTAC-Bishop Tube HSCA Site				☐ Tissue ☒ Ground ☐ Surface		Preservation and Filtration Codes										SF #:					
Site Address: 1 S Malin Road, Malvern, PA 19355				☐ Potable ☐ NPDES		H O O O O 82600-TCL VOCs 4.3 6020B- Dissolved Ni, Mn, and Cr 218.6 Chromium, Hexavalent 1633A- PFAS 9056- Fluoride Dissolved										SCR #:					
GES PM/CM: Tim Uhler/Derek Yoder																					
Client Address: 410 Eagleview Blvd, Suite 110 Exton, PA 19341																					
Email report: labreportspae@gesonline.com AND tuhler@gesonline.com																					
Invoice needs to be emailed to ges-invoices@gesonline.com. COC must be attached to invoice. Invoice must reference job # 0070462-3020-06																					
State where samples were collected: PA		For Compliance: Yes ☐ No ☒																			
Sampler: <u>Derek Ryan O</u>		Collection																			
Sampler Signature: <u>Derek Ryan O</u>																					
Sample Identification		Date	Time	Grab	Composite	Soil	Water	Other:	Total # of Containers											Remarks	
MW-40	5-29-26	0925	X				X		5	3							Other (O) = Unpreserved				
MW-44A	5-29-26	0910	X				X		5	3							9056, 218.6,				
MW-44B	5-29-26	0955	X				X		5	3							6020B				
MW-42	5-29-26	1115	X				X		5	3							Need to be				
MW-38	5-29-26	1130	X				X		5	3							lab filtered.				
MW-45A	5-29-26	1325	X				X		5	3											
MW-45B	5-29-26	1340	X				X		5	3											
MW-45C	5-29-26	1355	X				X		5	3											
MW-37	5-29-26	1445	X				X		5	3											
MW-67	5/29/26	1400	X				GW		8	X	X	X	X	X							
Turnaround Time Requested (TAT) (please check): Standard ☒ Rush ☐		(Rush TAT is subject to laboratory approval and surcharges.)		Relinquished by: <u>[Signature]</u>		Date: <u>5/29/26</u>		Time: <u>1807</u>		Received by:		Date:		Time:							
Date results are needed:				Relinquished by:		Date:		Time:		Received by:		Date:		Time:							
Rush results requested by (please check): E-Mail ☐ Phone ☐				Relinquished by:		Date:		Time:		Received by:		Date:		Time:							
E-mail Address: <u>labreportspae@gesonline.com</u>				Relinquished by:		Date:		Time:		Received by:		Date:		Time:							
Phone:				Relinquished by:		Date:		Time:		Received by:		Date:		Time:							
Data Package Options (please check if required)				Relinquished by:		Date:		Time:		Received by:		Date:		Time:							
Type I (Validation/non-CLP)	☐ MA MCP ☐			Relinquished by:		Date:		Time:		Received by:		Date:		Time:							
Type III (Reduced non-CLP)	☐ CT RCP ☐			Relinquished by:		Date:		Time:		Received by:		Date:		Time:							
Type VI (Raw Data Only)	☐ TX TRRP-13 ☐			Relinquished by:		Date:		Time:		Received by:		Date:		Time:							
NJ DKQP	☐ NYSDEC Category ☐ A or ☐ B			Relinquished by Commercial Carrier:		Date:		Time:		Received by:		Date:		Time:							
EDD Required?	Yes ☒ No ☐	If yes, format: _____		UPS _____ FedEx _____ Other _____		Temperature upon receipt: <u>12.5.0</u> <u>cor: 5.1</u> °C															

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7045 0717



Acct. #	Group #	Sample #
---------	---------	----------

[illegible]

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 410-285777-1

Login Number: 285777

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Foreman, Kai

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	True	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	



ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Tim Uhler
Groundwater & Environmental Services Inc
410 Eagleview Boulevard
Suite 110
Exton, Pennsylvania 19341-2577

Generated 6/23/2026 3:55:26 AM

JOB DESCRIPTION

GTAC-Bishop Tube HSCA Site

JOB NUMBER

410-286100-1

Eurofins Lancaster Laboratories Environment Testing, LLC

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
6/23/2026 3:55:26 AM

Authorized for release by
Amek Carter, Project Manager
Loran.Carter@et.eurofinsus.com
(717)556-7252

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
 - Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
 - Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
- Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

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Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
^c	CCV Recovery is outside acceptance limits.
cn	Refer to Case Narrative for further detail
FH	MS and/or MSD recovery above control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

LCMS

Qualifier	Qualifier Description
*5+	Isotope dilution analyte is outside acceptance limits, high biased.
^c	CCV Recovery is outside acceptance limits.
cn	Refer to Case Narrative for further detail
F2	MS/MSD RPD exceeds control limits
FL	MS and/or MSD recovery below control limits.
I	Ion ratio outside limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive

Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Groundwater & Environmental Services Inc
Project: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Job ID: 410-286100-1

Eurofins Lancaster Laboratories Environment

Job Narrative 410-286100-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 6/1/2026 5:15 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.3°C and 4.5°C.

Receipt Exceptions

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): Field Blank (410-286100-20). The container labels list Field Blank 2, while the COC lists Field Blank.

GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-830737 recovered outside acceptance criteria, low biased, for Trichlorofluoromethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-833919 recovered above the upper control limit for Methylcyclohexane, Freon 113 and 2-Butanone. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-834116 recovered above the upper control limit for 4-Methyl-2-pentanone, 2-Hexanone, Acetone and 2-Butanone. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: Surrogate recovery for the following sample was outside control limits: MW-51B (410-286100-17). Sample not rerunning due to large target peak that could damage the instrument if rerun.

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-834138 recovered outside acceptance criteria, low biased, for Bromomethane, Chloromethane, Vinyl chloride, Trichlorofluoromethane, Dichlorodifluoromethane and 1,2-Dibromo-3-Chloropropane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-834952 recovered above the upper control limit for Carbon tetrachloride, 1,1,1-Trichloroethane and Bromoform. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-834952 recovered outside acceptance criteria, low biased, for 4-Methyl-2-pentanone, 2-Hexanone, Chloromethane, 2-Butanone and Methyl acetate. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The method requirement for no headspace was not met. The following volatile samples were analyzed with headspace in the sample container(s): MW-51A (410-286100-16) and Field Blank (410-286100-20). Headspace was observed at the time of analysis.

Method 8260D: The method requirement for no headspace was not met. The container (s) used for reanalysis of the following samples contained headspace: MW-15 (410-286100-10) and MW-28B (410-286100-13). The sample container was received

Eurofins Lancaster Laboratories Environment Testing, LLC

Case Narrative

Client: Groundwater & Environmental Services Inc
Project: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Job ID: 410-286100-1 (Continued)

Eurofins Lancaster Laboratories Environment

without headspace.

Method 8260D: The method requirement for no headspace was not met. The container (s) used for reanalysis of the following sample contained headspace: MW-79A (410-286100-18). The sample container was received without headspace.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

PFAS

Method 1633A: Due to TSS greater than 50 mg/L when compared to a visual standard, the samples were spiked with extracted internal standards, shaken and centrifuged. The aqueous portion was decanted into the original container and extracted. The affected samples are MW-82B (410-286100-3), MW-60 (410-286100-4), MW-50A (410-286100-5), MW-50B (410-286100-6) and MW-14 (410-286100-9).

Method 1633A: Based on the re-extraction comment, a reduced aliquot was used for the extraction of samples MW-81 (410-286100-1), MW-81 (410-286100-1[MS]) and MW-81 (410-286100-1[MSD]). Reporting limits have been raised accordingly.

Method 1633A: The recovery for labeled isotope: 13C2 4:2 FTS is outside the QC acceptance limits in the opening calibration verification standard associated with the following samples MW-82A (410-286100-2), MW-82B (410-286100-3), MW-60 (410-286100-4), MW-50A (410-286100-5), MW-50B (410-286100-6), MW-49A (410-286100-7), MW-49B (410-286100-8), MW-14 (410-286100-9), MW-15 (410-286100-10), MW-28A (410-286100-11), Duplicate 3 (410-286100-12), MW-28B (410-286100-13), MW-28C (410-286100-14), MW-52 (410-286100-15), MW-51A (410-286100-16), MW-51B (410-286100-17), MW-79A (410-286100-18), MW-79B (410-286100-19) and Field Blank (410-286100-20), biased low. Since the recovery for target analytes is within the limits, the data is reported.

Method 1633A: The recovery for labeled isotope: 13C2 4:2 FTS is outside the QC acceptance limits in the opening continuing calibration verification standard associated with the following samples MW-28C (410-286100-14), MW-52 (410-286100-15) and MW-51A (410-286100-16), biased low. Since the recovery for target analytes is within the limits, the data is reported.

Method 1633A: The recovery for labeled isotope: 13C2 4:2 FTS and 13C2 6:2 FTS is outside the QC acceptance limits in the opening continuing calibration verification standard associated with the following samples MW-82A (410-286100-2), MW-82B (410-286100-3), MW-60 (410-286100-4), MW-50A (410-286100-5), MW-50B (410-286100-6), MW-49A (410-286100-7), MW-49B (410-286100-8), MW-14 (410-286100-9), MW-15 (410-286100-10), MW-28A (410-286100-11), Duplicate 3 (410-286100-12), MW-28B (410-286100-13), MW-51B (410-286100-17), MW-79A (410-286100-18), MW-79B (410-286100-19) and Field Blank (410-286100-20), biased low. Since the recovery for target analytes is within the limits, the data is reported.

Method 1633A: The recovery for labeled isotope: 13C2 4:2 FTS and 13C2 6:2 FTS is outside the QC acceptance limits in the closing continuing calibration verification standard associated with the following samples MW-82A (410-286100-2), MW-82B (410-286100-3), MW-60 (410-286100-4), MW-50A (410-286100-5), MW-50B (410-286100-6), MW-49A (410-286100-7), MW-28C (410-286100-14), MW-52 (410-286100-15), MW-51A (410-286100-16), MW-51B (410-286100-17), MW-79A (410-286100-18), MW-79B (410-286100-19) and Field Blank (410-286100-20), biased low. Since the recovery for target analytes is within the limits, the data is reported.

Method 1633A: The recovery for labeled isotope: 13C2 4:2 FTS is outside the QC acceptance limits in the closing continuing calibration verification standard associated with the following samples MW-49B (410-286100-8), MW-14 (410-286100-9), MW-15 (410-286100-10), MW-28A (410-286100-11), Duplicate 3 (410-286100-12) and MW-28B (410-286100-13), biased low. Since the recovery for target analytes is within the limits, the data is reported.

Method 1633A: Analyte 3-Perfluoropentylpropanoic acid (5:3 FTCA) was marked as non-detect for sample MW-79A (410-286100-18) due to a detection below RL and failing ion ratio.

Method 1633A: Analyte Perfluorodecanoic acid (PFDA) was marked as non-detect for sample MW-49A (410-286100-7) due to a detection below RL and failing ion ratio.

Method 1633A: The transition mass ratio for Perfluorononanoic acid (PFNA) in sample MW-82B (410-286100-3) in analytical batch 410-834336 was outside of the established ratio limits. However, analyst judgment was used to positively identify the analyte. The analyte is flagged appropriately to identify this exceedance.

Method 1633A: The transition mass ratio for Perfluorooctanesulfonic acid (PFOS) in sample MW-50A (410-286100-5) in analytical

Case Narrative

Client: Groundwater & Environmental Services Inc
Project: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Job ID: 410-286100-1 (Continued)

Eurofins Lancaster Laboratories Environment

batch 410-834336 was outside of the established ratio limits. However, analyst judgment was used to positively identify the analyte. The analyte is flagged appropriately to identify this exceedance.

Method 1633A: The transition mass ratio for Perfluorodecanoic acid (PFDA) in sample MW-28A (410-286100-11) in analytical batch 410-834336 was outside of the established ratio limits. However, analyst judgment was used to positively identify the analyte. The analyte is flagged appropriately to identify this exceedance.

Method 1633A: The transition mass ratio for Perfluorodecanoic acid (PFDA) in sample Duplicate 3 (410-286100-12) in analytical batch 410-834336 was outside of the established ratio limits. However, analyst judgment was used to positively identify the analyte. The analyte is flagged appropriately to identify this exceedance.

Method 1633A: The LLCS labeled isotope(s) 13C3-3:3 FTCA recovery associated with sample: MW-81 (410-286100-1) is outside the QC acceptance limits. Since the recovery for target analytes is within the limits, the data is reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals

Method 6020B - Dissolved: The following samples were not filtered within 15 minutes of sample collection as required by the method: MW-14 (410-286100-9), MW-15 (410-286100-10), MW-28A (410-286100-11), Duplicate 3 (410-286100-12), MW-28B (410-286100-13), MW-28C (410-286100-14), MW-52 (410-286100-15), MW-51A (410-286100-16), MW-51B (410-286100-17), MW-79A (410-286100-18), MW-79B (410-286100-19) and Field Blank (410-286100-20). The sample(s) was filtered prior to analysis at the laboratory, and the results have been reported. This does not meet regulatory requirements.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-81

Lab Sample ID: 410-286100-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1.9		1.0	0.30	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	23		1.0	0.30	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	2.9		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	10		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	3.0		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	3.2		1.0	0.30	ug/L	1		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	11		3.6	1.0	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	20		1.8	0.55	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	15	FL	1.8	0.46	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	9.8		1.8	0.73	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	12		1.8	0.82	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	4.7		1.8	0.46	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.6		1.8	0.46	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.8		1.8	0.73	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	7.7		1.8	1.2	ng/L	1		1633A	Total/NA

Client Sample ID: MW-82A

Lab Sample ID: 410-286100-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	8.7		1.0	0.30	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	22		1.0	0.30	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	10		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	6.6		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	3.9		1.0	0.30	ug/L	1		8260D	Total/NA
Freon 113	1.1	J ^c cn	10	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	8.4		1.0	0.30	ug/L	1		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	13		3.2	0.89	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	30		1.6	0.49	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	19		1.6	0.40	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	14		1.6	0.65	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	20		1.6	0.73	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	6.4		1.6	0.40	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	3.4		1.6	0.40	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.2		1.6	0.65	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	8.7		1.6	1.1	ng/L	1		1633A	Total/NA

Client Sample ID: MW-82B

Lab Sample ID: 410-286100-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1.2		1.0	0.30	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	13		1.0	0.30	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	2.1		1.0	0.30	ug/L	1		8260D	Total/NA
Vinyl chloride	3.3		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	8.6		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	1.0		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	1.9		1.0	0.30	ug/L	1		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	12	cn	3.1	0.87	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	25	cn	1.6	0.47	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	18	cn	1.6	0.39	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	12	cn	1.6	0.63	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	18	cn	1.6	0.71	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	6.2	l cn	1.6	0.39	ng/L	1		1633A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-82B (Continued)

Lab Sample ID: 410-286100-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	2.9	cn	1.6	0.39	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.1	cn	1.6	0.63	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	7.7	cn	1.6	1.0	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	2.0	J cn	3.1	0.79	ng/L	1		1633A	Total/NA

Client Sample ID: MW-60

Lab Sample ID: 410-286100-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.48	J	1.0	0.30	ug/L	1		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	4.8	cn	3.2	0.89	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	4.0	cn	1.6	0.48	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	3.7	cn	1.6	0.40	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.4	J cn	1.6	0.65	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	3.1	cn	1.6	0.73	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.8	cn	1.6	0.40	ng/L	1		1633A	Total/NA

Client Sample ID: MW-50A

Lab Sample ID: 410-286100-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	5.8	cn	3.0	0.81	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	8.4	cn	1.5	0.44	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	6.9	cn	1.5	0.37	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	4.0	cn	1.5	0.59	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	12	cn	1.5	0.67	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	6.7	cn	1.5	0.37	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	5.6	cn	1.5	0.37	ng/L	1		1633A	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.53	J cn	1.5	0.37	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	4.0	cn	1.5	0.59	ng/L	1		1633A	Total/NA
Perfluoroheptanesulfonic acid (PFHpS)	0.61	J cn	1.5	0.37	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	17	I cn	1.5	0.96	ng/L	1		1633A	Total/NA

Client Sample ID: MW-50B

Lab Sample ID: 410-286100-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	2.7		1.0	0.20	ug/L	1		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	10	cn	2.9	0.79	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	11	cn	1.4	0.43	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	8.2	cn	1.4	0.36	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	6.2	cn	1.4	0.58	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	14	cn	1.4	0.65	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	18	cn	1.4	0.36	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	0.84	J cn	1.4	0.36	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	8.9	cn	1.4	0.36	ng/L	1		1633A	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.46	J cn	1.4	0.36	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	3.3	cn	1.4	0.58	ng/L	1		1633A	Total/NA
Perfluoroheptanesulfonic acid (PFHpS)	0.47	J cn	1.4	0.36	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	19	cn	1.4	0.94	ng/L	1		1633A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-49A

Lab Sample ID: 410-286100-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.3	J ^c cn	20	0.70	ug/L	1		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	4.0		3.2	0.87	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	2.4		1.6	0.40	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.6		1.6	0.64	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	3.4		1.6	0.71	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	3.9		1.6	0.40	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.90	J	1.6	0.40	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	6.0		1.6	1.0	ng/L	1		1633A	Total/NA

Client Sample ID: MW-49B

Lab Sample ID: 410-286100-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	120		1.0	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	2.0		1.0	0.30	ug/L	1		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	4.0		3.2	0.87	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	1.9		1.6	0.48	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	1.4	J	1.6	0.40	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.77	J	1.6	0.63	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	1.8		1.6	0.71	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	0.64	J	1.6	0.40	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.67	J	1.6	0.40	ng/L	1		1633A	Total/NA

Client Sample ID: MW-14

Lab Sample ID: 410-286100-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	1.7		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	2.5		1.0	0.30	ug/L	1		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	12	cn	3.9	1.1	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	14	cn	1.9	0.58	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	9.5	cn	1.9	0.48	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	8.6	cn	1.9	0.77	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	17	cn	1.9	0.87	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	17	cn	1.9	0.48	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	1.0	J cn	1.9	0.48	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.7	J cn	1.9	0.48	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.7	J cn	1.9	0.77	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	29	cn	1.9	1.3	ng/L	1		1633A	Total/NA
Nickel	0.00043	J cn	0.0010	0.00041	mg/L	1		6020B	Dissolved
Manganese	0.0015	J cn	0.0021	0.00098	mg/L	1		6020B	Dissolved

Client Sample ID: MW-15

Lab Sample ID: 410-286100-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	6.6		1.0	0.30	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	6.5		2.0	0.70	ug/L	1		8260D	Total/NA
Acetone	2.3	J ^c cn	20	0.70	ug/L	1		8260D	Total/NA
Chloroethane	1.2		1.0	0.30	ug/L	1		8260D	Total/NA
Vinyl chloride	15		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	37		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	90		1.0	0.30	ug/L	1		8260D	Total/NA
Freon 113	120		10	0.30	ug/L	1		8260D	Total/NA
1,1,2-Trichloroethane	0.31	J	1.0	0.30	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-15 (Continued)

Lab Sample ID: 410-286100-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene - DL	1100		20	6.0	ug/L	20		8260D	Total/NA
Trichloroethene - DL	1600		20	6.0	ug/L	20		8260D	Total/NA
1,1,1-Trichloroethane - RADL	1800	cn	20	6.0	ug/L	20		8260D	Total/NA
Fluoride	0.17	J	0.20	0.10	mg/L	1		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	48		3.5	0.95	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	130		1.7	0.52	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	86		1.7	0.43	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	75		1.7	0.69	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	65		1.7	0.78	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	31		1.7	0.43	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.82	J	1.7	0.43	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.0	J	1.7	0.69	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	4.2		1.7	1.1	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	54		3.5	0.86	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	9.7		3.5	0.86	ng/L	1		1633A	Total/NA
Nickel	0.0015	cn	0.0010	0.00041	mg/L	1		6020B	Dissolved
Manganese	1.5	cn	0.0021	0.00098	mg/L	1		6020B	Dissolved

Client Sample ID: MW-28A

Lab Sample ID: 410-286100-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	13		1.0	0.30	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	2.0		2.0	0.70	ug/L	1		8260D	Total/NA
Methyl tertiary butyl ether	2.1		1.0	0.20	ug/L	1		8260D	Total/NA
Acetone	2.3	J ^c cn	20	0.70	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	6.7		1.0	0.30	ug/L	1		8260D	Total/NA
Vinyl chloride	7.4		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	24		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	1.2		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	25		1.0	0.30	ug/L	1		8260D	Total/NA
Fluoride	0.32		0.20	0.10	mg/L	1		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	63		3.6	0.98	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	160		1.8	0.54	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	110		1.8	0.45	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	78		1.8	0.72	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	73		1.8	0.81	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	13		1.8	0.45	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	1.8	I cn	1.8	0.45	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.2		1.8	0.45	ng/L	1		1633A	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.99	J	1.8	0.45	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.8		1.8	0.72	ng/L	1		1633A	Total/NA
Perfluoroheptanesulfonic acid (PFHpS)	0.57	J	1.8	0.45	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	24		1.8	1.2	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	2.3	J	3.6	0.90	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	190		3.6	0.90	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	7.4		3.6	0.90	ng/L	1		1633A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-28A (Continued)

Lab Sample ID: 410-286100-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	14		1.8	0.45	ng/L	1		1633A	Total/NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.75	J	1.8	0.45	ng/L	1		1633A	Total/NA
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.4	J	9.0	2.5	ng/L	1		1633A	Total/NA
Nickel	0.0013	cn	0.0010	0.00041	mg/L	1		6020B	Dissolved
Manganese	0.097	cn	0.0021	0.00098	mg/L	1		6020B	Dissolved

Client Sample ID: Duplicate 3

Lab Sample ID: 410-286100-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	8.1		1.0	0.30	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	1.8	J	2.0	0.70	ug/L	1		8260D	Total/NA
Methyl tertiary butyl ether	1.5		1.0	0.20	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	7.0		1.0	0.30	ug/L	1		8260D	Total/NA
Chloroethane	0.30	J	1.0	0.30	ug/L	1		8260D	Total/NA
Vinyl chloride	7.9		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	19		1.0	0.30	ug/L	1		8260D	Total/NA
1,1,1-Dichloroethene	0.65	J	1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	15		1.0	0.30	ug/L	1		8260D	Total/NA
Fluoride	0.31		0.20	0.10	mg/L	1		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	60		3.3	0.92	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	140		1.7	0.50	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	96		1.7	0.42	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	58		1.7	0.67	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	59		1.7	0.75	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	10		1.7	0.42	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	1.8	I cn	1.7	0.42	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.3		1.7	0.42	ng/L	1		1633A	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.60	J	1.7	0.42	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.2		1.7	0.67	ng/L	1		1633A	Total/NA
Perfluoroheptanesulfonic acid (PFHpS)	0.44	J	1.7	0.42	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	16		1.7	1.1	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	1.8	J	3.3	0.83	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	120		3.3	0.83	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	4.4		3.3	0.83	ng/L	1		1633A	Total/NA
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	7.4		1.7	0.42	ng/L	1		1633A	Total/NA
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.95	J	1.7	0.42	ng/L	1		1633A	Total/NA
3-Perfluoropentylpropanoic acid (5:3 FTCA)	4.5	J	8.3	2.3	ng/L	1		1633A	Total/NA
Nickel	0.0016	cn	0.0010	0.00041	mg/L	1		6020B	Dissolved
Manganese	0.10	cn	0.0021	0.00098	mg/L	1		6020B	Dissolved

Client Sample ID: MW-28B

Lab Sample ID: 410-286100-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	0.69	J	1.0	0.30	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-28B (Continued)

Lab Sample ID: 410-286100-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.62	J	1.0	0.30	ug/L	1		8260D	Total/NA
Tetrachloroethene	9.9		1.0	0.30	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	26		2.0	0.70	ug/L	1		8260D	Total/NA
Methyl tertiary butyl ether	5.3		1.0	0.20	ug/L	1		8260D	Total/NA
Benzene	0.59	J	1.0	0.30	ug/L	1		8260D	Total/NA
Chloroethane	110		1.0	0.30	ug/L	1		8260D	Total/NA
Vinyl chloride	59		1.0	0.30	ug/L	1		8260D	Total/NA
Methylene Chloride	0.85	J	1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	72		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	57		1.0	0.30	ug/L	1		8260D	Total/NA
Freon 113	21		10	0.30	ug/L	1		8260D	Total/NA
Isopropylbenzene	0.36	J	5.0	0.30	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene - DL	1300		20	6.0	ug/L	20		8260D	Total/NA
Trichloroethene - DL	2100		20	6.0	ug/L	20		8260D	Total/NA
1,1,1-Trichloroethane - RADL	1200	cn	20	6.0	ug/L	20		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	66		3.2	0.89	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	180		1.6	0.48	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	140		1.6	0.40	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	130		1.6	0.64	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	120		1.6	0.72	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	39		1.6	0.40	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	0.74	J	1.6	0.40	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.65	J	1.6	0.40	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.89	J	1.6	0.64	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.0		1.6	1.0	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	3.1	J	3.2	0.80	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	320		3.2	0.80	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	44		3.2	0.80	ng/L	1		1633A	Total/NA
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.2	J	8.0	2.3	ng/L	1		1633A	Total/NA
Nickel	0.0032	cn	0.0010	0.00041	mg/L	1		6020B	Dissolved
Manganese	1.3	cn	0.0021	0.00098	mg/L	1		6020B	Dissolved

Client Sample ID: MW-28C

Lab Sample ID: 410-286100-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	2.5	J	5.0	1.5	ug/L	5		8260D	Total/NA
trans-1,2-Dichloroethene	76		10	3.5	ug/L	5		8260D	Total/NA
Methyl tertiary butyl ether	110		5.0	1.0	ug/L	5		8260D	Total/NA
Benzene	10		5.0	1.5	ug/L	5		8260D	Total/NA
1,1,1-Trichloroethane	24		5.0	1.5	ug/L	5		8260D	Total/NA
Chloroethane	5.8		5.0	1.5	ug/L	5		8260D	Total/NA
Vinyl chloride	380		5.0	1.5	ug/L	5		8260D	Total/NA
1,1-Dichloroethane	1300		5.0	1.5	ug/L	5		8260D	Total/NA
1,1-Dichloroethene	320		5.0	1.5	ug/L	5		8260D	Total/NA
Trichloroethene	790		5.0	1.5	ug/L	5		8260D	Total/NA
cis-1,2-Dichloroethene - DL	9800		100	30	ug/L	100		8260D	Total/NA
Fluoride	0.53		0.20	0.10	mg/L	1		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	120		3.5	0.96	ng/L	1		1633A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-28C (Continued)

Lab Sample ID: 410-286100-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	370		1.7	0.52	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	240		1.7	0.44	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	120		1.7	0.70	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	84		1.7	0.79	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	18		1.7	0.44	ng/L	1		1633A	Total/NA
Perfluoroundecanoic acid (PFUnA)	1.0	J	1.7	0.44	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.46	J	1.7	0.44	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.1	J	1.7	0.70	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	19		3.5	0.87	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	520		3.5	0.87	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	3.6		3.5	0.87	ng/L	1		1633A	Total/NA
3-Perfluoropropylpropanoic acid (3:3 FTCA)	2.1	J	3.5	0.87	ng/L	1		1633A	Total/NA
3-Perfluoropentylpropanoic acid (5:3 FTCA)	7.9	J	8.7	2.4	ng/L	1		1633A	Total/NA
Chromium	0.0021	cn	0.0021	0.00057	mg/L	1		6020B	Dissolved
Nickel	0.0013	cn	0.0010	0.00041	mg/L	1		6020B	Dissolved
Manganese	0.021	cn	0.0021	0.00098	mg/L	1		6020B	Dissolved

Client Sample ID: MW-52

Lab Sample ID: 410-286100-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	6.3		1.0	0.30	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	15		1.0	0.30	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	5.0		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	0.94	J	1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	170		1.0	0.30	ug/L	1		8260D	Total/NA
Cr (VI)	0.012		0.010	0.0050	mg/L	1		218.6	Dissolved
Fluoride	5.1		2.0	1.0	mg/L	10		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	39		3.3	0.90	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	130		1.6	0.49	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	90		1.6	0.41	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	64		1.6	0.65	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	57		1.6	0.73	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	12		1.6	0.41	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.5	J	1.6	0.41	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.3		1.6	0.65	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	12		1.6	1.1	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	120		3.3	0.81	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	7.7		3.3	0.81	ng/L	1		1633A	Total/NA
Chromium	0.013	cn	0.0021	0.00057	mg/L	1		6020B	Dissolved
Nickel	0.00057	J cn	0.0010	0.00041	mg/L	1		6020B	Dissolved
Manganese	0.0031	cn	0.0021	0.00098	mg/L	1		6020B	Dissolved

Client Sample ID: MW-51A

Lab Sample ID: 410-286100-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	5.4		1.0	0.30	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	37		1.0	0.30	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-51A (Continued)

Lab Sample ID: 410-286100-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	0.42	J	1.0	0.20	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	8.3		1.0	0.30	ug/L	1		8260D	Total/NA
Vinyl chloride	1.5		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	2.2		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	1.5		1.0	0.30	ug/L	1		8260D	Total/NA
Freon 113	0.59	J	10	0.30	ug/L	1		8260D	Total/NA
Trichloroethene - DL	510	cn	10	3.0	ug/L	10		8260D	Total/NA
Fluoride	0.54		0.20	0.10	mg/L	1		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	40		3.4	0.94	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	120		1.7	0.51	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	79		1.7	0.43	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	54		1.7	0.68	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	48		1.7	0.77	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	10		1.7	0.43	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.3		1.7	0.43	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.3	J	1.7	0.68	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	7.8		1.7	1.1	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	62		3.4	0.85	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	2.7	J	3.4	0.85	ng/L	1		1633A	Total/NA
Nickel	0.0011	cn	0.0010	0.00041	mg/L	1		6020B	Dissolved
Manganese	0.18	cn	0.0021	0.00098	mg/L	1		6020B	Dissolved

Client Sample ID: MW-51B

Lab Sample ID: 410-286100-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	140	cn	1.0	0.30	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	62	cn	1.0	0.30	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	0.56	J cn	1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	2.2	cn	1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	5.2	cn	1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene - DL	15000		200	60	ug/L	200		8260D	Total/NA
Fluoride	0.40		0.20	0.10	mg/L	1		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	4.4		3.2	0.89	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	4.0		1.6	0.49	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	4.8		1.6	0.41	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	2.1		1.6	0.65	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	2.6		1.6	0.73	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	0.73	J	1.6	0.41	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.69	J	1.6	0.41	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	1.7	J	3.2	0.81	ng/L	1		1633A	Total/NA
Manganese	0.0041	cn	0.0021	0.00098	mg/L	1		6020B	Dissolved

Client Sample ID: MW-79A

Lab Sample ID: 410-286100-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	0.88	J	1.0	0.40	ug/L	1		8260D	Total/NA
Toluene	7.4		1.0	0.30	ug/L	1		8260D	Total/NA
Xylenes, Total	5.9		1.0	0.40	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	7.1		2.0	0.70	ug/L	1		8260D	Total/NA
Methyl tertiary butyl ether	2.9		1.0	0.20	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-79A (Continued)

Lab Sample ID: 410-286100-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	17	J	20	0.70	ug/L	1		8260D	Total/NA
Benzene	4.6		1.0	0.30	ug/L	1		8260D	Total/NA
Vinyl chloride	5.6	^c cn	1.0	0.30	ug/L	1		8260D	Total/NA
Methylene Chloride	4.1		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	150		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	170		1.0	0.30	ug/L	1		8260D	Total/NA
2-Butanone	1.2	J	10	1.0	ug/L	1		8260D	Total/NA
Tetrachloroethene - DL	540		10	3.0	ug/L	10		8260D	Total/NA
cis-1,2-Dichloroethene - DL	1900		10	3.0	ug/L	10		8260D	Total/NA
Trichloroethene - DL2	110000	cn	2000	600	ug/L	2000		8260D	Total/NA
Fluoride	0.83		0.20	0.10	mg/L	1		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	22		3.0	0.82	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	74		1.5	0.45	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	40		1.5	0.37	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	27		1.5	0.60	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	18		1.5	0.67	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	2.1		1.5	0.37	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.99	J	3.0	0.74	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	63		3.0	0.74	ng/L	1		1633A	Total/NA
Nickel	0.00066	J cn	0.0010	0.00041	mg/L	1		6020B	Dissolved
Manganese	0.13	cn	0.0021	0.00098	mg/L	1		6020B	Dissolved

Client Sample ID: MW-79B

Lab Sample ID: 410-286100-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	3.2		1.0	0.30	ug/L	1		8260D	Total/NA
Tetrachloroethene	5.9		1.0	0.30	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	6.0		2.0	0.70	ug/L	1		8260D	Total/NA
Methyl tertiary butyl ether	0.57	J	1.0	0.20	ug/L	1		8260D	Total/NA
Acetone	8.7	J	20	0.70	ug/L	1		8260D	Total/NA
Vinyl chloride	0.86	J ^c cn	1.0	0.30	ug/L	1		8260D	Total/NA
Carbon disulfide	2.2	J	5.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	2.9		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	2.2		1.0	0.30	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene - DL	520		10	3.0	ug/L	10		8260D	Total/NA
Trichloroethene - DL	790		10	3.0	ug/L	10		8260D	Total/NA
Fluoride	3.5		2.0	1.0	mg/L	10		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	18		3.2	0.89	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	35		1.6	0.48	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	25		1.6	0.40	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	21		1.6	0.64	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	39		1.6	0.72	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	6.2		1.6	0.40	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	3.4		1.6	0.40	ng/L	1		1633A	Total/NA
Perfluoroundecanoic acid (PFUnA)	2.4		1.6	0.40	ng/L	1		1633A	Total/NA
Perfluorododecanoic acid (PFDoA)	1.4	J	1.6	0.40	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.83	J	1.6	0.40	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.5	J	1.6	1.0	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	1.3	J	3.2	0.81	ng/L	1		1633A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-79B (Continued)

Lab Sample ID: 410-286100-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	280		3.2	0.81	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	1.3	J	3.2	0.81	ng/L	1		1633A	Total/NA
3-Perfluoropentylpropanoic acid (5:3 FTCA)	2.5	J	8.1	2.3	ng/L	1		1633A	Total/NA
Nickel	0.0022	cn	0.0010	0.00041	mg/L	1		6020B	Dissolved
Manganese	0.0058	cn	0.0021	0.00098	mg/L	1		6020B	Dissolved

Client Sample ID: Field Blank

Lab Sample ID: 410-286100-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	48	cn	20	0.70	ug/L	1		8260D	Total/NA
2-Butanone	2.7	J ^c cn	10	1.0	ug/L	1		8260D	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 410-286100-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.77	J	20	0.70	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-81

Lab Sample ID: 410-286100-1

Date Collected: 06/01/26 09:00

Matrix: Water

Date Received: 06/01/26 17:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/12/26 02:32	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/12/26 02:32	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/12/26 02:32	1
Styrene	ND		5.0	0.30	ug/L			06/12/26 02:32	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/12/26 02:32	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/12/26 02:32	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/12/26 02:32	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/12/26 02:32	1
Methylcyclohexane	ND	^c cn	5.0	0.50	ug/L			06/12/26 02:32	1
Toluene	ND		1.0	0.30	ug/L			06/12/26 02:32	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/12/26 02:32	1
Cyclohexane	ND		5.0	1.0	ug/L			06/12/26 02:32	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/12/26 02:32	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/12/26 02:32	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/12/26 02:32	1
Tetrachloroethene	1.9		1.0	0.30	ug/L			06/12/26 02:32	1
cis-1,2-Dichloroethene	23		1.0	0.30	ug/L			06/12/26 02:32	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/12/26 02:32	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/12/26 02:32	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/12/26 02:32	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/12/26 02:32	1
2-Hexanone	ND		10	0.85	ug/L			06/12/26 02:32	1
Acetone	ND		20	0.70	ug/L			06/12/26 02:32	1
Chloroform	ND		1.0	0.30	ug/L			06/12/26 02:32	1
Benzene	ND		1.0	0.30	ug/L			06/12/26 02:32	1
1,1,1-Trichloroethane	2.9		1.0	0.30	ug/L			06/12/26 02:32	1
Bromomethane	ND		1.0	0.30	ug/L			06/12/26 02:32	1
Chloromethane	ND		2.0	0.55	ug/L			06/12/26 02:32	1
Chloroethane	ND		1.0	0.30	ug/L			06/12/26 02:32	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/12/26 02:32	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/12/26 02:32	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/12/26 02:32	1
Bromoform	ND		4.0	1.0	ug/L			06/12/26 02:32	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/12/26 02:32	1
1,1-Dichloroethane	10		1.0	0.30	ug/L			06/12/26 02:32	1
1,1-Dichloroethene	3.0		1.0	0.30	ug/L			06/12/26 02:32	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/12/26 02:32	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/12/26 02:32	1
Freon 113	ND	^c FH cn	10	0.30	ug/L			06/12/26 02:32	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/12/26 02:32	1
2-Butanone	ND	^c cn	10	1.0	ug/L			06/12/26 02:32	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/12/26 02:32	1
Trichloroethene	3.2		1.0	0.30	ug/L			06/12/26 02:32	1
Methyl acetate	ND		5.0	0.60	ug/L			06/12/26 02:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/12/26 02:32	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/12/26 02:32	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/12/26 02:32	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/12/26 02:32	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-81

Lab Sample ID: 410-286100-1

Date Collected: 06/01/26 09:00

Matrix: Water

Date Received: 06/01/26 17:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		06/12/26 02:32	1
Dibromofluoromethane (Surr)	99		80 - 120		06/12/26 02:32	1
4-Bromofluorobenzene (Surr)	101		80 - 120		06/12/26 02:32	1
Toluene-d8 (Surr)	101		80 - 120		06/12/26 02:32	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	11		3.6	1.0	ng/L		06/11/26 14:02	06/12/26 23:36	1
Perfluoropentanoic acid (PFPeA)	20		1.8	0.55	ng/L		06/11/26 14:02	06/12/26 23:36	1
Perfluorohexanoic acid (PFHxA)	15	FL	1.8	0.46	ng/L		06/11/26 14:02	06/12/26 23:36	1
Perfluoroheptanoic acid (PFHpA)	9.8		1.8	0.73	ng/L		06/11/26 14:02	06/12/26 23:36	1
Perfluorooctanoic acid (PFOA)	12		1.8	0.82	ng/L		06/11/26 14:02	06/12/26 23:36	1
Perfluorononanoic acid (PFNA)	4.7		1.8	0.46	ng/L		06/11/26 14:02	06/12/26 23:36	1
Perfluorodecanoic acid (PFDA)	ND		1.8	0.46	ng/L		06/11/26 14:02	06/12/26 23:36	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.46	ng/L		06/11/26 14:02	06/12/26 23:36	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.46	ng/L		06/11/26 14:02	06/12/26 23:36	1
Perfluorotridecanoic acid (PFTrDA)	ND		1.8	0.46	ng/L		06/11/26 14:02	06/12/26 23:36	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.8	0.46	ng/L		06/11/26 14:02	06/12/26 23:36	1
Perfluorobutanesulfonic acid (PFBS)	2.6		1.8	0.46	ng/L		06/11/26 14:02	06/12/26 23:36	1
Perfluoropentanesulfonic acid (PFPeS)	ND	F2	1.8	0.46	ng/L		06/11/26 14:02	06/12/26 23:36	1
Perfluorohexanesulfonic acid (PFHxS)	1.8		1.8	0.73	ng/L		06/11/26 14:02	06/12/26 23:36	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.8	0.46	ng/L		06/11/26 14:02	06/12/26 23:36	1
Perfluorooctanesulfonic acid (PFOS)	7.7		1.8	1.2	ng/L		06/11/26 14:02	06/12/26 23:36	1
Perfluorononanesulfonic acid (PFNS)	ND		1.8	0.46	ng/L		06/11/26 14:02	06/12/26 23:36	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.46	ng/L		06/11/26 14:02	06/12/26 23:36	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.55	ng/L		06/11/26 14:02	06/12/26 23:36	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.6	0.91	ng/L		06/11/26 14:02	06/12/26 23:36	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		3.6	0.91	ng/L		06/11/26 14:02	06/12/26 23:36	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.6	0.91	ng/L		06/11/26 14:02	06/12/26 23:36	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.46	ng/L		06/11/26 14:02	06/12/26 23:36	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.8	0.46	ng/L		06/11/26 14:02	06/12/26 23:36	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.8	1.0	ng/L		06/11/26 14:02	06/12/26 23:36	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.8	0.46	ng/L		06/11/26 14:02	06/12/26 23:36	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.8	0.46	ng/L		06/11/26 14:02	06/12/26 23:36	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.8	1.3	ng/L		06/11/26 14:02	06/12/26 23:36	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.8	0.46	ng/L		06/11/26 14:02	06/12/26 23:36	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.8	0.46	ng/L		06/11/26 14:02	06/12/26 23:36	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-81

Lab Sample ID: 410-286100-1

Date Collected: 06/01/26 09:00

Matrix: Water

Date Received: 06/01/26 17:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.8	0.46	ng/L		06/11/26 14:02	06/12/26 23:36	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.8	0.46	ng/L		06/11/26 14:02	06/12/26 23:36	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		1.8	0.46	ng/L		06/11/26 14:02	06/12/26 23:36	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.8	0.46	ng/L		06/11/26 14:02	06/12/26 23:36	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	ND		1.8	0.46	ng/L		06/11/26 14:02	06/12/26 23:36	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.6	0.91	ng/L		06/11/26 14:02	06/12/26 23:36	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		9.1	2.6	ng/L		06/11/26 14:02	06/12/26 23:36	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		9.1	2.3	ng/L		06/11/26 14:02	06/12/26 23:36	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	74.4		5 - 130	06/11/26 14:02	06/12/26 23:36	1
13C5 PFPeA	83.9		40 - 130	06/11/26 14:02	06/12/26 23:36	1
13C5 PFHxA	77.0		40 - 130	06/11/26 14:02	06/12/26 23:36	1
13C4 PFHpA	79.5		40 - 130	06/11/26 14:02	06/12/26 23:36	1
13C8 PFOA	77.4		40 - 130	06/11/26 14:02	06/12/26 23:36	1
13C9 PFNA	77.4		40 - 130	06/11/26 14:02	06/12/26 23:36	1
13C6 PFDA	61.5		40 - 130	06/11/26 14:02	06/12/26 23:36	1
13C7 PFUnA	51.6		30 - 130	06/11/26 14:02	06/12/26 23:36	1
13C2 PFTeDA	34.5		10 - 130	06/11/26 14:02	06/12/26 23:36	1
13C3 PFBS	81.9		40 - 135	06/11/26 14:02	06/12/26 23:36	1
13C3 PFHxS	78.3		40 - 130	06/11/26 14:02	06/12/26 23:36	1
13C8 PFOS	75.8		40 - 130	06/11/26 14:02	06/12/26 23:36	1
13C8 FOSA	61.6		40 - 130	06/11/26 14:02	06/12/26 23:36	1
d3-NMeFOSAA	70.0		40 - 170	06/11/26 14:02	06/12/26 23:36	1
d5-NEtFOSAA	55.4		25 - 135	06/11/26 14:02	06/12/26 23:36	1
13C2 4:2 FTS	72.7		40 - 200	06/11/26 14:02	06/12/26 23:36	1
13C2 6:2 FTS	72.6		40 - 200	06/11/26 14:02	06/12/26 23:36	1
13C2 8:2 FTS	82.2		40 - 300	06/11/26 14:02	06/12/26 23:36	1
13C3 HFPO-DA	71.3		40 - 130	06/11/26 14:02	06/12/26 23:36	1
d5-NEtPFOSA	38.3		10 - 130	06/11/26 14:02	06/12/26 23:36	1
d3-NMePFOSA	43.4		10 - 130	06/11/26 14:02	06/12/26 23:36	1
13C2 PFDoA	45.3		10 - 130	06/11/26 14:02	06/12/26 23:36	1
13C3-3:3 FTCA	82.4		20 - 150	06/11/26 14:02	06/12/26 23:36	1
13C3-5:3 FTCA	78.6		20 - 150	06/11/26 14:02	06/12/26 23:36	1
13C3-PFDoS	34.9		20 - 150	06/11/26 14:02	06/12/26 23:36	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A - RE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND	cn	100	40	ng/L		06/15/26 14:14	06/16/26 05:16	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND	cn	100	40	ng/L		06/15/26 14:14	06/16/26 05:16	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
d7-N-MeFOSE-M	67.1	cn	10 - 130				06/15/26 14:14	06/16/26 05:16	1
d9-N-EtFOSE-M	61.2	cn	10 - 130				06/15/26 14:14	06/16/26 05:16	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-82A

Lab Sample ID: 410-286100-2

Date Collected: 06/01/26 09:15

Matrix: Water

Date Received: 06/01/26 17:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/12/26 00:39	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/12/26 00:39	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/12/26 00:39	1
Styrene	ND		5.0	0.30	ug/L			06/12/26 00:39	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/12/26 00:39	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/12/26 00:39	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/12/26 00:39	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/12/26 00:39	1
Methylcyclohexane	ND	^c cn	5.0	0.50	ug/L			06/12/26 00:39	1
Toluene	ND		1.0	0.30	ug/L			06/12/26 00:39	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/12/26 00:39	1
Cyclohexane	ND		5.0	1.0	ug/L			06/12/26 00:39	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/12/26 00:39	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/12/26 00:39	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/12/26 00:39	1
Tetrachloroethene	8.7		1.0	0.30	ug/L			06/12/26 00:39	1
cis-1,2-Dichloroethene	22		1.0	0.30	ug/L			06/12/26 00:39	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/12/26 00:39	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/12/26 00:39	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/12/26 00:39	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/12/26 00:39	1
2-Hexanone	ND		10	0.85	ug/L			06/12/26 00:39	1
Acetone	ND		20	0.70	ug/L			06/12/26 00:39	1
Chloroform	ND		1.0	0.30	ug/L			06/12/26 00:39	1
Benzene	ND		1.0	0.30	ug/L			06/12/26 00:39	1
1,1,1-Trichloroethane	10		1.0	0.30	ug/L			06/12/26 00:39	1
Bromomethane	ND		1.0	0.30	ug/L			06/12/26 00:39	1
Chloromethane	ND		2.0	0.55	ug/L			06/12/26 00:39	1
Chloroethane	ND		1.0	0.30	ug/L			06/12/26 00:39	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/12/26 00:39	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/12/26 00:39	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/12/26 00:39	1
Bromoform	ND		4.0	1.0	ug/L			06/12/26 00:39	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/12/26 00:39	1
1,1-Dichloroethane	6.6		1.0	0.30	ug/L			06/12/26 00:39	1
1,1-Dichloroethene	3.9		1.0	0.30	ug/L			06/12/26 00:39	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/12/26 00:39	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/12/26 00:39	1
Freon 113	1.1	J ^c cn	10	0.30	ug/L			06/12/26 00:39	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/12/26 00:39	1
2-Butanone	ND	^c cn	10	1.0	ug/L			06/12/26 00:39	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/12/26 00:39	1
Trichloroethene	8.4		1.0	0.30	ug/L			06/12/26 00:39	1
Methyl acetate	ND		5.0	0.60	ug/L			06/12/26 00:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/12/26 00:39	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/12/26 00:39	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/12/26 00:39	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/12/26 00:39	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-82A

Lab Sample ID: 410-286100-2

Date Collected: 06/01/26 09:15

Matrix: Water

Date Received: 06/01/26 17:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		06/12/26 00:39	1
Dibromofluoromethane (Surr)	100		80 - 120		06/12/26 00:39	1
4-Bromofluorobenzene (Surr)	102		80 - 120		06/12/26 00:39	1
Toluene-d8 (Surr)	102		80 - 120		06/12/26 00:39	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	13		3.2	0.89	ng/L		06/12/26 07:45	06/13/26 00:34	1
Perfluoropentanoic acid (PFPeA)	30		1.6	0.49	ng/L		06/12/26 07:45	06/13/26 00:34	1
Perfluorohexanoic acid (PFHxA)	19		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 00:34	1
Perfluoroheptanoic acid (PFHpA)	14		1.6	0.65	ng/L		06/12/26 07:45	06/13/26 00:34	1
Perfluorooctanoic acid (PFOA)	20		1.6	0.73	ng/L		06/12/26 07:45	06/13/26 00:34	1
Perfluorononanoic acid (PFNA)	6.4		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 00:34	1
Perfluorodecanoic acid (PFDA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 00:34	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 00:34	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 00:34	1
Perfluorotridecanoic acid (PFTrDA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 00:34	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 00:34	1
Perfluorobutanesulfonic acid (PFBS)	3.4		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 00:34	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 00:34	1
Perfluorohexanesulfonic acid (PFHxS)	2.2		1.6	0.65	ng/L		06/12/26 07:45	06/13/26 00:34	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 00:34	1
Perfluorooctanesulfonic acid (PFOS)	8.7		1.6	1.1	ng/L		06/12/26 07:45	06/13/26 00:34	1
Perfluorononanesulfonic acid (PFNS)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 00:34	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 00:34	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.6	0.49	ng/L		06/12/26 07:45	06/13/26 00:34	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.2	0.81	ng/L		06/12/26 07:45	06/13/26 00:34	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		3.2	0.81	ng/L		06/12/26 07:45	06/13/26 00:34	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.2	0.81	ng/L		06/12/26 07:45	06/13/26 00:34	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 00:34	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 00:34	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.6	0.89	ng/L		06/12/26 07:45	06/13/26 00:34	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 00:34	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 00:34	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.1	3.2	ng/L		06/12/26 07:45	06/13/26 00:34	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.1	3.2	ng/L		06/12/26 07:45	06/13/26 00:34	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.6	1.1	ng/L		06/12/26 07:45	06/13/26 00:34	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-82A

Lab Sample ID: 410-286100-2

Date Collected: 06/01/26 09:15

Matrix: Water

Date Received: 06/01/26 17:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 00:34	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 00:34	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 00:34	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 00:34	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 00:34	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 00:34	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 00:34	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.2	0.81	ng/L		06/12/26 07:45	06/13/26 00:34	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		8.1	2.3	ng/L		06/12/26 07:45	06/13/26 00:34	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.1	2.0	ng/L		06/12/26 07:45	06/13/26 00:34	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	102		5 - 130	06/12/26 07:45	06/13/26 00:34	1
13C5 PFPeA	103		40 - 130	06/12/26 07:45	06/13/26 00:34	1
13C5 PFHxA	101		40 - 130	06/12/26 07:45	06/13/26 00:34	1
13C4 PFHpA	96.7		40 - 130	06/12/26 07:45	06/13/26 00:34	1
13C8 PFOA	93.5		40 - 130	06/12/26 07:45	06/13/26 00:34	1
13C9 PFNA	97.6		40 - 130	06/12/26 07:45	06/13/26 00:34	1
13C6 PFDA	79.3		40 - 130	06/12/26 07:45	06/13/26 00:34	1
13C7 PFUnA	76.3		30 - 130	06/12/26 07:45	06/13/26 00:34	1
13C2 PFTeDA	75.0		10 - 130	06/12/26 07:45	06/13/26 00:34	1
13C3 PFBS	97.3		40 - 135	06/12/26 07:45	06/13/26 00:34	1
13C3 PFHxS	91.5		40 - 130	06/12/26 07:45	06/13/26 00:34	1
13C8 PFOS	85.2		40 - 130	06/12/26 07:45	06/13/26 00:34	1
13C8 FOSA	79.6		40 - 130	06/12/26 07:45	06/13/26 00:34	1
d3-NMeFOSAA	66.4		40 - 170	06/12/26 07:45	06/13/26 00:34	1
d5-NEtFOSAA	61.0		25 - 135	06/12/26 07:45	06/13/26 00:34	1
13C2 4:2 FTS	73.6	^c cn	40 - 200	06/12/26 07:45	06/13/26 00:34	1
13C2 6:2 FTS	70.9	^c cn	40 - 200	06/12/26 07:45	06/13/26 00:34	1
13C2 8:2 FTS	71.5		40 - 300	06/12/26 07:45	06/13/26 00:34	1
13C3 HFPO-DA	94.8		40 - 130	06/12/26 07:45	06/13/26 00:34	1
d7-N-MeFOSE-M	61.2		10 - 130	06/12/26 07:45	06/13/26 00:34	1
d9-N-EtFOSE-M	59.0		10 - 130	06/12/26 07:45	06/13/26 00:34	1
d5-NEtPFOSA	65.7		10 - 130	06/12/26 07:45	06/13/26 00:34	1
d3-NMePFOSA	66.5		10 - 130	06/12/26 07:45	06/13/26 00:34	1
13C2 PFDoA	78.1		10 - 130	06/12/26 07:45	06/13/26 00:34	1
13C3-3:3 FTCA	120		20 - 150	06/12/26 07:45	06/13/26 00:34	1
13C3-5:3 FTCA	97.1		20 - 150	06/12/26 07:45	06/13/26 00:34	1
13C3-PFDoS	63.6		20 - 150	06/12/26 07:45	06/13/26 00:34	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-82B

Lab Sample ID: 410-286100-3

Date Collected: 06/01/26 09:30

Matrix: Water

Date Received: 06/01/26 17:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/12/26 01:02	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/12/26 01:02	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/12/26 01:02	1
Styrene	ND		5.0	0.30	ug/L			06/12/26 01:02	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/12/26 01:02	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/12/26 01:02	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/12/26 01:02	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/12/26 01:02	1
Methylcyclohexane	ND	^c cn	5.0	0.50	ug/L			06/12/26 01:02	1
Toluene	ND		1.0	0.30	ug/L			06/12/26 01:02	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/12/26 01:02	1
Cyclohexane	ND		5.0	1.0	ug/L			06/12/26 01:02	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/12/26 01:02	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/12/26 01:02	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/12/26 01:02	1
Tetrachloroethene	1.2		1.0	0.30	ug/L			06/12/26 01:02	1
cis-1,2-Dichloroethene	13		1.0	0.30	ug/L			06/12/26 01:02	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/12/26 01:02	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/12/26 01:02	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/12/26 01:02	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/12/26 01:02	1
2-Hexanone	ND		10	0.85	ug/L			06/12/26 01:02	1
Acetone	ND		20	0.70	ug/L			06/12/26 01:02	1
Chloroform	ND		1.0	0.30	ug/L			06/12/26 01:02	1
Benzene	ND		1.0	0.30	ug/L			06/12/26 01:02	1
1,1,1-Trichloroethane	2.1		1.0	0.30	ug/L			06/12/26 01:02	1
Bromomethane	ND		1.0	0.30	ug/L			06/12/26 01:02	1
Chloromethane	ND		2.0	0.55	ug/L			06/12/26 01:02	1
Chloroethane	ND		1.0	0.30	ug/L			06/12/26 01:02	1
Vinyl chloride	3.3		1.0	0.30	ug/L			06/12/26 01:02	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/12/26 01:02	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/12/26 01:02	1
Bromoform	ND		4.0	1.0	ug/L			06/12/26 01:02	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/12/26 01:02	1
1,1-Dichloroethane	8.6		1.0	0.30	ug/L			06/12/26 01:02	1
1,1-Dichloroethene	1.0		1.0	0.30	ug/L			06/12/26 01:02	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/12/26 01:02	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/12/26 01:02	1
Freon 113	ND	^c cn	10	0.30	ug/L			06/12/26 01:02	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/12/26 01:02	1
2-Butanone	ND	^c cn	10	1.0	ug/L			06/12/26 01:02	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/12/26 01:02	1
Trichloroethene	1.9		1.0	0.30	ug/L			06/12/26 01:02	1
Methyl acetate	ND		5.0	0.60	ug/L			06/12/26 01:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/12/26 01:02	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/12/26 01:02	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/12/26 01:02	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/12/26 01:02	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-82B

Lab Sample ID: 410-286100-3

Date Collected: 06/01/26 09:30

Matrix: Water

Date Received: 06/01/26 17:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		80 - 120		06/12/26 01:02	1
Dibromofluoromethane (Surr)	100		80 - 120		06/12/26 01:02	1
4-Bromofluorobenzene (Surr)	100		80 - 120		06/12/26 01:02	1
Toluene-d8 (Surr)	100		80 - 120		06/12/26 01:02	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	12	cn	3.1	0.87	ng/L		06/12/26 07:45	06/13/26 00:47	1
Perfluoropentanoic acid (PFPeA)	25	cn	1.6	0.47	ng/L		06/12/26 07:45	06/13/26 00:47	1
Perfluorohexanoic acid (PFHxA)	18	cn	1.6	0.39	ng/L		06/12/26 07:45	06/13/26 00:47	1
Perfluoroheptanoic acid (PFHpA)	12	cn	1.6	0.63	ng/L		06/12/26 07:45	06/13/26 00:47	1
Perfluorooctanoic acid (PFOA)	18	cn	1.6	0.71	ng/L		06/12/26 07:45	06/13/26 00:47	1
Perfluorononanoic acid (PFNA)	6.2	I cn	1.6	0.39	ng/L		06/12/26 07:45	06/13/26 00:47	1
Perfluorodecanoic acid (PFDA)	ND	cn	1.6	0.39	ng/L		06/12/26 07:45	06/13/26 00:47	1
Perfluoroundecanoic acid (PFUnA)	ND	cn	1.6	0.39	ng/L		06/12/26 07:45	06/13/26 00:47	1
Perfluorododecanoic acid (PFDoA)	ND	cn	1.6	0.39	ng/L		06/12/26 07:45	06/13/26 00:47	1
Perfluorotridecanoic acid (PFTrDA)	ND	cn	1.6	0.39	ng/L		06/12/26 07:45	06/13/26 00:47	1
Perfluorotetradecanoic acid (PFTeDA)	ND	cn	1.6	0.39	ng/L		06/12/26 07:45	06/13/26 00:47	1
Perfluorobutanesulfonic acid (PFBS)	2.9	cn	1.6	0.39	ng/L		06/12/26 07:45	06/13/26 00:47	1
Perfluoropentanesulfonic acid (PFPeS)	ND	cn	1.6	0.39	ng/L		06/12/26 07:45	06/13/26 00:47	1
Perfluorohexanesulfonic acid (PFHxS)	2.1	cn	1.6	0.63	ng/L		06/12/26 07:45	06/13/26 00:47	1
Perfluoroheptanesulfonic acid (PFHpS)	ND	cn	1.6	0.39	ng/L		06/12/26 07:45	06/13/26 00:47	1
Perfluorooctanesulfonic acid (PFOS)	7.7	cn	1.6	1.0	ng/L		06/12/26 07:45	06/13/26 00:47	1
Perfluorononanesulfonic acid (PFNS)	ND	cn	1.6	0.39	ng/L		06/12/26 07:45	06/13/26 00:47	1
Perfluorodecanesulfonic acid (PFDS)	ND	cn	1.6	0.39	ng/L		06/12/26 07:45	06/13/26 00:47	1
Perfluorododecanesulfonic acid (PFDoS)	ND	cn	1.6	0.47	ng/L		06/12/26 07:45	06/13/26 00:47	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND	cn	3.1	0.79	ng/L		06/12/26 07:45	06/13/26 00:47	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	2.0	J cn	3.1	0.79	ng/L		06/12/26 07:45	06/13/26 00:47	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND	cn	3.1	0.79	ng/L		06/12/26 07:45	06/13/26 00:47	1
Perfluorooctanesulfonamide (PFOSA)	ND	cn	1.6	0.39	ng/L		06/12/26 07:45	06/13/26 00:47	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND	cn	1.6	0.39	ng/L		06/12/26 07:45	06/13/26 00:47	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND	cn	1.6	0.87	ng/L		06/12/26 07:45	06/13/26 00:47	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND	cn	1.6	0.39	ng/L		06/12/26 07:45	06/13/26 00:47	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND	cn	1.6	0.39	ng/L		06/12/26 07:45	06/13/26 00:47	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND	cn	7.9	3.1	ng/L		06/12/26 07:45	06/13/26 00:47	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND	cn	7.9	3.1	ng/L		06/12/26 07:45	06/13/26 00:47	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	cn	1.6	1.1	ng/L		06/12/26 07:45	06/13/26 00:47	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-82B

Lab Sample ID: 410-286100-3

Date Collected: 06/01/26 09:30

Matrix: Water

Date Received: 06/01/26 17:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	cn	1.6	0.39	ng/L		06/12/26 07:45	06/13/26 00:47	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	cn	1.6	0.39	ng/L		06/12/26 07:45	06/13/26 00:47	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	cn	1.6	0.39	ng/L		06/12/26 07:45	06/13/26 00:47	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	cn	1.6	0.39	ng/L		06/12/26 07:45	06/13/26 00:47	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND	cn	1.6	0.39	ng/L		06/12/26 07:45	06/13/26 00:47	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND	cn	1.6	0.39	ng/L		06/12/26 07:45	06/13/26 00:47	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND	cn	1.6	0.39	ng/L		06/12/26 07:45	06/13/26 00:47	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND	cn	3.1	0.79	ng/L		06/12/26 07:45	06/13/26 00:47	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND	cn	7.9	2.2	ng/L		06/12/26 07:45	06/13/26 00:47	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND	cn	7.9	2.0	ng/L		06/12/26 07:45	06/13/26 00:47	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	101	cn	5 - 130	06/12/26 07:45	06/13/26 00:47	1
13C5 PFPeA	104	cn	40 - 130	06/12/26 07:45	06/13/26 00:47	1
13C5 PFHxA	95.1	cn	40 - 130	06/12/26 07:45	06/13/26 00:47	1
13C4 PFHpA	99.0	cn	40 - 130	06/12/26 07:45	06/13/26 00:47	1
13C8 PFOA	101	cn	40 - 130	06/12/26 07:45	06/13/26 00:47	1
13C9 PFNA	96.7	cn	40 - 130	06/12/26 07:45	06/13/26 00:47	1
13C6 PFDA	85.8	cn	40 - 130	06/12/26 07:45	06/13/26 00:47	1
13C7 PFUnA	83.2	cn	30 - 130	06/12/26 07:45	06/13/26 00:47	1
13C2 PFTeDA	26.3	cn	10 - 130	06/12/26 07:45	06/13/26 00:47	1
13C3 PFBS	104	cn	40 - 135	06/12/26 07:45	06/13/26 00:47	1
13C3 PFHxS	96.8	cn	40 - 130	06/12/26 07:45	06/13/26 00:47	1
13C8 PFOS	88.8	cn	40 - 130	06/12/26 07:45	06/13/26 00:47	1
13C8 FOSA	83.2	cn	40 - 130	06/12/26 07:45	06/13/26 00:47	1
d3-NMeFOSAA	70.7	cn	40 - 170	06/12/26 07:45	06/13/26 00:47	1
d5-NEtFOSAA	67.0	cn	25 - 135	06/12/26 07:45	06/13/26 00:47	1
13C2 4:2 FTS	79.2	^c cn	40 - 200	06/12/26 07:45	06/13/26 00:47	1
13C2 6:2 FTS	115	^c cn	40 - 200	06/12/26 07:45	06/13/26 00:47	1
13C2 8:2 FTS	89.0	cn	40 - 300	06/12/26 07:45	06/13/26 00:47	1
13C3 HFPO-DA	91.7	cn	40 - 130	06/12/26 07:45	06/13/26 00:47	1
d7-N-MeFOSE-M	43.3	cn	10 - 130	06/12/26 07:45	06/13/26 00:47	1
d9-N-EtFOSE-M	34.5	cn	10 - 130	06/12/26 07:45	06/13/26 00:47	1
d5-NEtPFOSA	38.3	cn	10 - 130	06/12/26 07:45	06/13/26 00:47	1
d3-NMePFOSA	46.6	cn	10 - 130	06/12/26 07:45	06/13/26 00:47	1
13C2 PFDoA	67.5	cn	10 - 130	06/12/26 07:45	06/13/26 00:47	1
13C3-3:3 FTCA	115	cn	20 - 150	06/12/26 07:45	06/13/26 00:47	1
13C3-5:3 FTCA	92.2	cn	20 - 150	06/12/26 07:45	06/13/26 00:47	1
13C3-PFDoS	24.5	cn	20 - 150	06/12/26 07:45	06/13/26 00:47	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-60

Lab Sample ID: 410-286100-4

Date Collected: 06/01/26 10:00

Matrix: Water

Date Received: 06/01/26 17:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/12/26 01:24	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/12/26 01:24	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/12/26 01:24	1
Styrene	ND		5.0	0.30	ug/L			06/12/26 01:24	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/12/26 01:24	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/12/26 01:24	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/12/26 01:24	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/12/26 01:24	1
Methylcyclohexane	ND	^c cn	5.0	0.50	ug/L			06/12/26 01:24	1
Toluene	ND		1.0	0.30	ug/L			06/12/26 01:24	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/12/26 01:24	1
Cyclohexane	ND		5.0	1.0	ug/L			06/12/26 01:24	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/12/26 01:24	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/12/26 01:24	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/12/26 01:24	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/12/26 01:24	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/12/26 01:24	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/12/26 01:24	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/12/26 01:24	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/12/26 01:24	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/12/26 01:24	1
2-Hexanone	ND		10	0.85	ug/L			06/12/26 01:24	1
Acetone	ND		20	0.70	ug/L			06/12/26 01:24	1
Chloroform	0.48	J	1.0	0.30	ug/L			06/12/26 01:24	1
Benzene	ND		1.0	0.30	ug/L			06/12/26 01:24	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/12/26 01:24	1
Bromomethane	ND		1.0	0.30	ug/L			06/12/26 01:24	1
Chloromethane	ND		2.0	0.55	ug/L			06/12/26 01:24	1
Chloroethane	ND		1.0	0.30	ug/L			06/12/26 01:24	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/12/26 01:24	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/12/26 01:24	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/12/26 01:24	1
Bromoform	ND		4.0	1.0	ug/L			06/12/26 01:24	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/12/26 01:24	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/12/26 01:24	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/12/26 01:24	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/12/26 01:24	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/12/26 01:24	1
Freon 113	ND	^c cn	10	0.30	ug/L			06/12/26 01:24	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/12/26 01:24	1
2-Butanone	ND	^c cn	10	1.0	ug/L			06/12/26 01:24	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/12/26 01:24	1
Trichloroethene	ND		1.0	0.30	ug/L			06/12/26 01:24	1
Methyl acetate	ND		5.0	0.60	ug/L			06/12/26 01:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/12/26 01:24	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/12/26 01:24	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/12/26 01:24	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/12/26 01:24	1

Eurolins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-60

Lab Sample ID: 410-286100-4

Date Collected: 06/01/26 10:00

Matrix: Water

Date Received: 06/01/26 17:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		06/12/26 01:24	1
Dibromofluoromethane (Surr)	101		80 - 120		06/12/26 01:24	1
4-Bromofluorobenzene (Surr)	101		80 - 120		06/12/26 01:24	1
Toluene-d8 (Surr)	101		80 - 120		06/12/26 01:24	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.8	cn	3.2	0.89	ng/L		06/12/26 07:45	06/13/26 01:01	1
Perfluoropentanoic acid (PFPeA)	4.0	cn	1.6	0.48	ng/L		06/12/26 07:45	06/13/26 01:01	1
Perfluorohexanoic acid (PFHxA)	3.7	cn	1.6	0.40	ng/L		06/12/26 07:45	06/13/26 01:01	1
Perfluoroheptanoic acid (PFHpA)	1.4	J cn	1.6	0.65	ng/L		06/12/26 07:45	06/13/26 01:01	1
Perfluorooctanoic acid (PFOA)	3.1	cn	1.6	0.73	ng/L		06/12/26 07:45	06/13/26 01:01	1
Perfluorononanoic acid (PFNA)	ND	cn	1.6	0.40	ng/L		06/12/26 07:45	06/13/26 01:01	1
Perfluorodecanoic acid (PFDA)	ND	cn	1.6	0.40	ng/L		06/12/26 07:45	06/13/26 01:01	1
Perfluoroundecanoic acid (PFUnA)	ND	cn	1.6	0.40	ng/L		06/12/26 07:45	06/13/26 01:01	1
Perfluorododecanoic acid (PFDoA)	ND	cn	1.6	0.40	ng/L		06/12/26 07:45	06/13/26 01:01	1
Perfluorotridecanoic acid (PFTrDA)	ND	cn	1.6	0.40	ng/L		06/12/26 07:45	06/13/26 01:01	1
Perfluorotetradecanoic acid (PFTeDA)	ND	cn	1.6	0.40	ng/L		06/12/26 07:45	06/13/26 01:01	1
Perfluorobutanesulfonic acid (PFBS)	2.8	cn	1.6	0.40	ng/L		06/12/26 07:45	06/13/26 01:01	1
Perfluoropentanesulfonic acid (PFPeS)	ND	cn	1.6	0.40	ng/L		06/12/26 07:45	06/13/26 01:01	1
Perfluorohexanesulfonic acid (PFHxS)	ND	cn	1.6	0.65	ng/L		06/12/26 07:45	06/13/26 01:01	1
Perfluoroheptanesulfonic acid (PFHpS)	ND	cn	1.6	0.40	ng/L		06/12/26 07:45	06/13/26 01:01	1
Perfluorooctanesulfonic acid (PFOS)	ND	cn	1.6	1.1	ng/L		06/12/26 07:45	06/13/26 01:01	1
Perfluorononanesulfonic acid (PFNS)	ND	cn	1.6	0.40	ng/L		06/12/26 07:45	06/13/26 01:01	1
Perfluorodecanesulfonic acid (PFDS)	ND	cn	1.6	0.40	ng/L		06/12/26 07:45	06/13/26 01:01	1
Perfluorododecanesulfonic acid (PFDoS)	ND	cn	1.6	0.48	ng/L		06/12/26 07:45	06/13/26 01:01	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND	cn	3.2	0.81	ng/L		06/12/26 07:45	06/13/26 01:01	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND	cn	3.2	0.81	ng/L		06/12/26 07:45	06/13/26 01:01	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND	cn	3.2	0.81	ng/L		06/12/26 07:45	06/13/26 01:01	1
Perfluorooctanesulfonamide (PFOSA)	ND	cn	1.6	0.40	ng/L		06/12/26 07:45	06/13/26 01:01	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND	cn	1.6	0.40	ng/L		06/12/26 07:45	06/13/26 01:01	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND	cn	1.6	0.89	ng/L		06/12/26 07:45	06/13/26 01:01	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND	cn	1.6	0.40	ng/L		06/12/26 07:45	06/13/26 01:01	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND	cn	1.6	0.40	ng/L		06/12/26 07:45	06/13/26 01:01	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND	cn	8.1	3.2	ng/L		06/12/26 07:45	06/13/26 01:01	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND	cn	8.1	3.2	ng/L		06/12/26 07:45	06/13/26 01:01	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	cn	1.6	1.1	ng/L		06/12/26 07:45	06/13/26 01:01	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	cn	1.6	0.40	ng/L		06/12/26 07:45	06/13/26 01:01	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-60

Lab Sample ID: 410-286100-4

Date Collected: 06/01/26 10:00

Matrix: Water

Date Received: 06/01/26 17:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	cn	1.6	0.40	ng/L		06/12/26 07:45	06/13/26 01:01	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	cn	1.6	0.40	ng/L		06/12/26 07:45	06/13/26 01:01	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	cn	1.6	0.40	ng/L		06/12/26 07:45	06/13/26 01:01	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	ND	cn	1.6	0.40	ng/L		06/12/26 07:45	06/13/26 01:01	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	ND	cn	1.6	0.40	ng/L		06/12/26 07:45	06/13/26 01:01	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND	cn	1.6	0.40	ng/L		06/12/26 07:45	06/13/26 01:01	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND	cn	3.2	0.81	ng/L		06/12/26 07:45	06/13/26 01:01	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND	cn	8.1	2.3	ng/L		06/12/26 07:45	06/13/26 01:01	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND	cn	8.1	2.0	ng/L		06/12/26 07:45	06/13/26 01:01	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	101	cn	5 - 130				06/12/26 07:45	06/13/26 01:01	1
13C5 PFPeA	99.0	cn	40 - 130				06/12/26 07:45	06/13/26 01:01	1
13C5 PFHxA	97.9	cn	40 - 130				06/12/26 07:45	06/13/26 01:01	1
13C4 PFHpA	96.1	cn	40 - 130				06/12/26 07:45	06/13/26 01:01	1
13C8 PFOA	93.1	cn	40 - 130				06/12/26 07:45	06/13/26 01:01	1
13C9 PFNA	93.4	cn	40 - 130				06/12/26 07:45	06/13/26 01:01	1
13C6 PFDA	82.2	cn	40 - 130				06/12/26 07:45	06/13/26 01:01	1
13C7 PFUnA	75.6	cn	30 - 130				06/12/26 07:45	06/13/26 01:01	1
13C2 PFTeDA	17.8	cn	10 - 130				06/12/26 07:45	06/13/26 01:01	1
13C3 PFBS	102	cn	40 - 135				06/12/26 07:45	06/13/26 01:01	1
13C3 PFHxS	96.5	cn	40 - 130				06/12/26 07:45	06/13/26 01:01	1
13C8 PFOS	87.5	cn	40 - 130				06/12/26 07:45	06/13/26 01:01	1
13C8 FOSA	61.6	cn	40 - 130				06/12/26 07:45	06/13/26 01:01	1
d3-NMeFOSAA	93.0	cn	40 - 170				06/12/26 07:45	06/13/26 01:01	1
d5-NEtFOSAA	68.6	cn	25 - 135				06/12/26 07:45	06/13/26 01:01	1
13C2 4:2 FTS	75.4	^c cn	40 - 200				06/12/26 07:45	06/13/26 01:01	1
13C2 6:2 FTS	122	^c cn	40 - 200				06/12/26 07:45	06/13/26 01:01	1
13C2 8:2 FTS	97.7	cn	40 - 300				06/12/26 07:45	06/13/26 01:01	1
13C3 HFPO-DA	90.0	cn	40 - 130				06/12/26 07:45	06/13/26 01:01	1
d7-N-MeFOSE-M	35.0	cn	10 - 130				06/12/26 07:45	06/13/26 01:01	1
d9-N-EtFOSE-M	26.7	cn	10 - 130				06/12/26 07:45	06/13/26 01:01	1
d5-NEtPFOSA	28.3	cn	10 - 130				06/12/26 07:45	06/13/26 01:01	1
d3-NMePFOSA	36.2	cn	10 - 130				06/12/26 07:45	06/13/26 01:01	1
13C2 PFDaA	60.1	cn	10 - 130				06/12/26 07:45	06/13/26 01:01	1
13C3-3:3 FTCA	117	cn	20 - 150				06/12/26 07:45	06/13/26 01:01	1
13C3-5:3 FTCA	96.1	cn	20 - 150				06/12/26 07:45	06/13/26 01:01	1
13C3-PFDaS	22.5	cn	20 - 150				06/12/26 07:45	06/13/26 01:01	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-50A

Lab Sample ID: 410-286100-5

Date Collected: 06/01/26 10:15

Matrix: Water

Date Received: 06/01/26 17:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/12/26 01:47	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/12/26 01:47	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/12/26 01:47	1
Styrene	ND		5.0	0.30	ug/L			06/12/26 01:47	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/12/26 01:47	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/12/26 01:47	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/12/26 01:47	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/12/26 01:47	1
Methylcyclohexane	ND	^c cn	5.0	0.50	ug/L			06/12/26 01:47	1
Toluene	ND		1.0	0.30	ug/L			06/12/26 01:47	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/12/26 01:47	1
Cyclohexane	ND		5.0	1.0	ug/L			06/12/26 01:47	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/12/26 01:47	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/12/26 01:47	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/12/26 01:47	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/12/26 01:47	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/12/26 01:47	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/12/26 01:47	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/12/26 01:47	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/12/26 01:47	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/12/26 01:47	1
2-Hexanone	ND		10	0.85	ug/L			06/12/26 01:47	1
Acetone	ND		20	0.70	ug/L			06/12/26 01:47	1
Chloroform	ND		1.0	0.30	ug/L			06/12/26 01:47	1
Benzene	ND		1.0	0.30	ug/L			06/12/26 01:47	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/12/26 01:47	1
Bromomethane	ND		1.0	0.30	ug/L			06/12/26 01:47	1
Chloromethane	ND		2.0	0.55	ug/L			06/12/26 01:47	1
Chloroethane	ND		1.0	0.30	ug/L			06/12/26 01:47	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/12/26 01:47	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/12/26 01:47	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/12/26 01:47	1
Bromoform	ND		4.0	1.0	ug/L			06/12/26 01:47	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/12/26 01:47	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/12/26 01:47	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/12/26 01:47	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/12/26 01:47	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/12/26 01:47	1
Freon 113	ND	^c cn	10	0.30	ug/L			06/12/26 01:47	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/12/26 01:47	1
2-Butanone	ND	^c cn	10	1.0	ug/L			06/12/26 01:47	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/12/26 01:47	1
Trichloroethene	ND		1.0	0.30	ug/L			06/12/26 01:47	1
Methyl acetate	ND		5.0	0.60	ug/L			06/12/26 01:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/12/26 01:47	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/12/26 01:47	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/12/26 01:47	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/12/26 01:47	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-50A

Lab Sample ID: 410-286100-5

Date Collected: 06/01/26 10:15

Matrix: Water

Date Received: 06/01/26 17:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		06/12/26 01:47	1
Dibromofluoromethane (Surr)	100		80 - 120		06/12/26 01:47	1
4-Bromofluorobenzene (Surr)	101		80 - 120		06/12/26 01:47	1
Toluene-d8 (Surr)	101		80 - 120		06/12/26 01:47	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	5.8	cn	3.0	0.81	ng/L		06/12/26 07:45	06/13/26 01:15	1
Perfluoropentanoic acid (PFPeA)	8.4	cn	1.5	0.44	ng/L		06/12/26 07:45	06/13/26 01:15	1
Perfluorohexanoic acid (PFHxA)	6.9	cn	1.5	0.37	ng/L		06/12/26 07:45	06/13/26 01:15	1
Perfluoroheptanoic acid (PFHpA)	4.0	cn	1.5	0.59	ng/L		06/12/26 07:45	06/13/26 01:15	1
Perfluorooctanoic acid (PFOA)	12	cn	1.5	0.67	ng/L		06/12/26 07:45	06/13/26 01:15	1
Perfluorononanoic acid (PFNA)	6.7	cn	1.5	0.37	ng/L		06/12/26 07:45	06/13/26 01:15	1
Perfluorodecanoic acid (PFDA)	ND	cn	1.5	0.37	ng/L		06/12/26 07:45	06/13/26 01:15	1
Perfluoroundecanoic acid (PFUnA)	ND	cn	1.5	0.37	ng/L		06/12/26 07:45	06/13/26 01:15	1
Perfluorododecanoic acid (PFDoA)	ND	cn	1.5	0.37	ng/L		06/12/26 07:45	06/13/26 01:15	1
Perfluorotridecanoic acid (PFTrDA)	ND	cn	1.5	0.37	ng/L		06/12/26 07:45	06/13/26 01:15	1
Perfluorotetradecanoic acid (PFTeDA)	ND	cn	1.5	0.37	ng/L		06/12/26 07:45	06/13/26 01:15	1
Perfluorobutanesulfonic acid (PFBS)	5.6	cn	1.5	0.37	ng/L		06/12/26 07:45	06/13/26 01:15	1
Perfluoropentanesulfonic acid (PFPeS)	0.53	J cn	1.5	0.37	ng/L		06/12/26 07:45	06/13/26 01:15	1
Perfluorohexanesulfonic acid (PFHxS)	4.0	cn	1.5	0.59	ng/L		06/12/26 07:45	06/13/26 01:15	1
Perfluoroheptanesulfonic acid (PFHpS)	0.61	J cn	1.5	0.37	ng/L		06/12/26 07:45	06/13/26 01:15	1
Perfluorooctanesulfonic acid (PFOS)	17	I cn	1.5	0.96	ng/L		06/12/26 07:45	06/13/26 01:15	1
Perfluorononanesulfonic acid (PFNS)	ND	cn	1.5	0.37	ng/L		06/12/26 07:45	06/13/26 01:15	1
Perfluorodecanesulfonic acid (PFDS)	ND	cn	1.5	0.37	ng/L		06/12/26 07:45	06/13/26 01:15	1
Perfluorododecanesulfonic acid (PFDoS)	ND	cn	1.5	0.44	ng/L		06/12/26 07:45	06/13/26 01:15	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND	cn	3.0	0.74	ng/L		06/12/26 07:45	06/13/26 01:15	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND	cn	3.0	0.74	ng/L		06/12/26 07:45	06/13/26 01:15	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND	cn	3.0	0.74	ng/L		06/12/26 07:45	06/13/26 01:15	1
Perfluorooctanesulfonamide (PFOSA)	ND	cn	1.5	0.37	ng/L		06/12/26 07:45	06/13/26 01:15	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND	cn	1.5	0.37	ng/L		06/12/26 07:45	06/13/26 01:15	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND	cn	1.5	0.81	ng/L		06/12/26 07:45	06/13/26 01:15	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND	cn	1.5	0.37	ng/L		06/12/26 07:45	06/13/26 01:15	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND	cn	1.5	0.37	ng/L		06/12/26 07:45	06/13/26 01:15	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND	cn	7.4	3.0	ng/L		06/12/26 07:45	06/13/26 01:15	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND	cn	7.4	3.0	ng/L		06/12/26 07:45	06/13/26 01:15	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	cn	1.5	1.0	ng/L		06/12/26 07:45	06/13/26 01:15	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-50A

Lab Sample ID: 410-286100-5

Date Collected: 06/01/26 10:15

Matrix: Water

Date Received: 06/01/26 17:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	cn	1.5	0.37	ng/L		06/12/26 07:45	06/13/26 01:15	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	cn	1.5	0.37	ng/L		06/12/26 07:45	06/13/26 01:15	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	cn	1.5	0.37	ng/L		06/12/26 07:45	06/13/26 01:15	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	cn	1.5	0.37	ng/L		06/12/26 07:45	06/13/26 01:15	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND	cn	1.5	0.37	ng/L		06/12/26 07:45	06/13/26 01:15	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND	cn	1.5	0.37	ng/L		06/12/26 07:45	06/13/26 01:15	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND	cn	1.5	0.37	ng/L		06/12/26 07:45	06/13/26 01:15	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND	cn	3.0	0.74	ng/L		06/12/26 07:45	06/13/26 01:15	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND	cn	7.4	2.1	ng/L		06/12/26 07:45	06/13/26 01:15	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND	cn	7.4	1.8	ng/L		06/12/26 07:45	06/13/26 01:15	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	103	cn	5 - 130				06/12/26 07:45	06/13/26 01:15	1
13C5 PFPeA	105	cn	40 - 130				06/12/26 07:45	06/13/26 01:15	1
13C5 PFHxA	97.4	cn	40 - 130				06/12/26 07:45	06/13/26 01:15	1
13C4 PFHpA	97.9	cn	40 - 130				06/12/26 07:45	06/13/26 01:15	1
13C8 PFOA	95.5	cn	40 - 130				06/12/26 07:45	06/13/26 01:15	1
13C9 PFNA	95.4	cn	40 - 130				06/12/26 07:45	06/13/26 01:15	1
13C6 PFDA	82.6	cn	40 - 130				06/12/26 07:45	06/13/26 01:15	1
13C7 PFUnA	78.1	cn	30 - 130				06/12/26 07:45	06/13/26 01:15	1
13C2 PFTeDA	29.2	cn	10 - 130				06/12/26 07:45	06/13/26 01:15	1
13C3 PFBS	103	cn	40 - 135				06/12/26 07:45	06/13/26 01:15	1
13C3 PFHxS	96.4	cn	40 - 130				06/12/26 07:45	06/13/26 01:15	1
13C8 PFOS	91.8	cn	40 - 130				06/12/26 07:45	06/13/26 01:15	1
13C8 FOSA	83.8	cn	40 - 130				06/12/26 07:45	06/13/26 01:15	1
d3-NMeFOSAA	78.7	cn	40 - 170				06/12/26 07:45	06/13/26 01:15	1
d5-NEtFOSAA	66.1	cn	25 - 135				06/12/26 07:45	06/13/26 01:15	1
13C2 4:2 FTS	71.5	^c cn	40 - 200				06/12/26 07:45	06/13/26 01:15	1
13C2 6:2 FTS	105	^c cn	40 - 200				06/12/26 07:45	06/13/26 01:15	1
13C2 8:2 FTS	87.7	cn	40 - 300				06/12/26 07:45	06/13/26 01:15	1
13C3 HFPO-DA	92.0	cn	40 - 130				06/12/26 07:45	06/13/26 01:15	1
d7-N-MeFOSE-M	39.7	cn	10 - 130				06/12/26 07:45	06/13/26 01:15	1
d9-N-EtFOSE-M	32.2	cn	10 - 130				06/12/26 07:45	06/13/26 01:15	1
d5-NEtPFOSA	36.7	cn	10 - 130				06/12/26 07:45	06/13/26 01:15	1
d3-NMePFOSA	44.8	cn	10 - 130				06/12/26 07:45	06/13/26 01:15	1
13C2 PFDoA	64.8	cn	10 - 130				06/12/26 07:45	06/13/26 01:15	1
13C3-3:3 FTCA	114	cn	20 - 150				06/12/26 07:45	06/13/26 01:15	1
13C3-5:3 FTCA	91.8	cn	20 - 150				06/12/26 07:45	06/13/26 01:15	1
13C3-PFDoS	30.8	cn	20 - 150				06/12/26 07:45	06/13/26 01:15	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-50B

Lab Sample ID: 410-286100-6

Date Collected: 06/01/26 10:30

Matrix: Water

Date Received: 06/01/26 17:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/12/26 02:10	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/12/26 02:10	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/12/26 02:10	1
Styrene	ND		5.0	0.30	ug/L			06/12/26 02:10	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/12/26 02:10	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/12/26 02:10	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/12/26 02:10	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/12/26 02:10	1
Methylcyclohexane	ND	^c cn	5.0	0.50	ug/L			06/12/26 02:10	1
Toluene	ND		1.0	0.30	ug/L			06/12/26 02:10	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/12/26 02:10	1
Cyclohexane	ND		5.0	1.0	ug/L			06/12/26 02:10	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/12/26 02:10	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/12/26 02:10	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/12/26 02:10	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/12/26 02:10	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/12/26 02:10	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/12/26 02:10	1
Methyl tertiary butyl ether	2.7		1.0	0.20	ug/L			06/12/26 02:10	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/12/26 02:10	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/12/26 02:10	1
2-Hexanone	ND		10	0.85	ug/L			06/12/26 02:10	1
Acetone	ND		20	0.70	ug/L			06/12/26 02:10	1
Chloroform	ND		1.0	0.30	ug/L			06/12/26 02:10	1
Benzene	ND		1.0	0.30	ug/L			06/12/26 02:10	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/12/26 02:10	1
Bromomethane	ND		1.0	0.30	ug/L			06/12/26 02:10	1
Chloromethane	ND		2.0	0.55	ug/L			06/12/26 02:10	1
Chloroethane	ND		1.0	0.30	ug/L			06/12/26 02:10	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/12/26 02:10	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/12/26 02:10	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/12/26 02:10	1
Bromoform	ND		4.0	1.0	ug/L			06/12/26 02:10	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/12/26 02:10	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/12/26 02:10	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/12/26 02:10	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/12/26 02:10	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/12/26 02:10	1
Freon 113	ND	^c cn	10	0.30	ug/L			06/12/26 02:10	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/12/26 02:10	1
2-Butanone	ND	^c cn	10	1.0	ug/L			06/12/26 02:10	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/12/26 02:10	1
Trichloroethene	ND		1.0	0.30	ug/L			06/12/26 02:10	1
Methyl acetate	ND		5.0	0.60	ug/L			06/12/26 02:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/12/26 02:10	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/12/26 02:10	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/12/26 02:10	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/12/26 02:10	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-50B

Lab Sample ID: 410-286100-6

Date Collected: 06/01/26 10:30

Matrix: Water

Date Received: 06/01/26 17:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		06/12/26 02:10	1
Dibromofluoromethane (Surr)	99		80 - 120		06/12/26 02:10	1
4-Bromofluorobenzene (Surr)	101		80 - 120		06/12/26 02:10	1
Toluene-d8 (Surr)	101		80 - 120		06/12/26 02:10	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	10	cn	2.9	0.79	ng/L		06/12/26 07:45	06/13/26 01:28	1
Perfluoropentanoic acid (PFPeA)	11	cn	1.4	0.43	ng/L		06/12/26 07:45	06/13/26 01:28	1
Perfluorohexanoic acid (PFHxA)	8.2	cn	1.4	0.36	ng/L		06/12/26 07:45	06/13/26 01:28	1
Perfluoroheptanoic acid (PFHpA)	6.2	cn	1.4	0.58	ng/L		06/12/26 07:45	06/13/26 01:28	1
Perfluorooctanoic acid (PFOA)	14	cn	1.4	0.65	ng/L		06/12/26 07:45	06/13/26 01:28	1
Perfluorononanoic acid (PFNA)	18	cn	1.4	0.36	ng/L		06/12/26 07:45	06/13/26 01:28	1
Perfluorodecanoic acid (PFDA)	0.84	J cn	1.4	0.36	ng/L		06/12/26 07:45	06/13/26 01:28	1
Perfluoroundecanoic acid (PFUnA)	ND	cn	1.4	0.36	ng/L		06/12/26 07:45	06/13/26 01:28	1
Perfluorododecanoic acid (PFDoA)	ND	cn	1.4	0.36	ng/L		06/12/26 07:45	06/13/26 01:28	1
Perfluorotridecanoic acid (PFTrDA)	ND	cn	1.4	0.36	ng/L		06/12/26 07:45	06/13/26 01:28	1
Perfluorotetradecanoic acid (PFTeDA)	ND	cn	1.4	0.36	ng/L		06/12/26 07:45	06/13/26 01:28	1
Perfluorobutanesulfonic acid (PFBS)	8.9	cn	1.4	0.36	ng/L		06/12/26 07:45	06/13/26 01:28	1
Perfluoropentanesulfonic acid (PFPeS)	0.46	J cn	1.4	0.36	ng/L		06/12/26 07:45	06/13/26 01:28	1
Perfluorohexanesulfonic acid (PFHxS)	3.3	cn	1.4	0.58	ng/L		06/12/26 07:45	06/13/26 01:28	1
Perfluoroheptanesulfonic acid (PFHpS)	0.47	J cn	1.4	0.36	ng/L		06/12/26 07:45	06/13/26 01:28	1
Perfluorooctanesulfonic acid (PFOS)	19	cn	1.4	0.94	ng/L		06/12/26 07:45	06/13/26 01:28	1
Perfluorononanesulfonic acid (PFNS)	ND	cn	1.4	0.36	ng/L		06/12/26 07:45	06/13/26 01:28	1
Perfluorodecanesulfonic acid (PFDS)	ND	cn	1.4	0.36	ng/L		06/12/26 07:45	06/13/26 01:28	1
Perfluorododecanesulfonic acid (PFDoS)	ND	cn	1.4	0.43	ng/L		06/12/26 07:45	06/13/26 01:28	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND	cn	2.9	0.72	ng/L		06/12/26 07:45	06/13/26 01:28	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND	cn	2.9	0.72	ng/L		06/12/26 07:45	06/13/26 01:28	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND	cn	2.9	0.72	ng/L		06/12/26 07:45	06/13/26 01:28	1
Perfluorooctanesulfonamide (PFOSA)	ND	cn	1.4	0.36	ng/L		06/12/26 07:45	06/13/26 01:28	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND	cn	1.4	0.36	ng/L		06/12/26 07:45	06/13/26 01:28	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND	cn	1.4	0.79	ng/L		06/12/26 07:45	06/13/26 01:28	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND	cn	1.4	0.36	ng/L		06/12/26 07:45	06/13/26 01:28	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND	cn	1.4	0.36	ng/L		06/12/26 07:45	06/13/26 01:28	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND	cn	7.2	2.9	ng/L		06/12/26 07:45	06/13/26 01:28	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND	cn	7.2	2.9	ng/L		06/12/26 07:45	06/13/26 01:28	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	cn	1.4	1.0	ng/L		06/12/26 07:45	06/13/26 01:28	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-50B

Lab Sample ID: 410-286100-6

Date Collected: 06/01/26 10:30

Matrix: Water

Date Received: 06/01/26 17:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	cn	1.4	0.36	ng/L		06/12/26 07:45	06/13/26 01:28	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	cn	1.4	0.36	ng/L		06/12/26 07:45	06/13/26 01:28	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	cn	1.4	0.36	ng/L		06/12/26 07:45	06/13/26 01:28	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	cn	1.4	0.36	ng/L		06/12/26 07:45	06/13/26 01:28	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND	cn	1.4	0.36	ng/L		06/12/26 07:45	06/13/26 01:28	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND	cn	1.4	0.36	ng/L		06/12/26 07:45	06/13/26 01:28	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND	cn	1.4	0.36	ng/L		06/12/26 07:45	06/13/26 01:28	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND	cn	2.9	0.72	ng/L		06/12/26 07:45	06/13/26 01:28	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND	cn	7.2	2.0	ng/L		06/12/26 07:45	06/13/26 01:28	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND	cn	7.2	1.8	ng/L		06/12/26 07:45	06/13/26 01:28	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	97.4	cn	5 - 130				06/12/26 07:45	06/13/26 01:28	1
13C5 PFPeA	99.5	cn	40 - 130				06/12/26 07:45	06/13/26 01:28	1
13C5 PFHxA	93.5	cn	40 - 130				06/12/26 07:45	06/13/26 01:28	1
13C4 PFHpA	92.3	cn	40 - 130				06/12/26 07:45	06/13/26 01:28	1
13C8 PFOA	93.8	cn	40 - 130				06/12/26 07:45	06/13/26 01:28	1
13C9 PFNA	85.4	cn	40 - 130				06/12/26 07:45	06/13/26 01:28	1
13C6 PFDA	78.0	cn	40 - 130				06/12/26 07:45	06/13/26 01:28	1
13C7 PFUnA	76.2	cn	30 - 130				06/12/26 07:45	06/13/26 01:28	1
13C2 PFTeDA	26.1	cn	10 - 130				06/12/26 07:45	06/13/26 01:28	1
13C3 PFBS	90.1	cn	40 - 135				06/12/26 07:45	06/13/26 01:28	1
13C3 PFHxS	86.8	cn	40 - 130				06/12/26 07:45	06/13/26 01:28	1
13C8 PFOS	82.6	cn	40 - 130				06/12/26 07:45	06/13/26 01:28	1
13C8 FOSA	66.7	cn	40 - 130				06/12/26 07:45	06/13/26 01:28	1
d3-NMeFOSAA	74.4	cn	40 - 170				06/12/26 07:45	06/13/26 01:28	1
d5-NEtFOSAA	58.7	cn	25 - 135				06/12/26 07:45	06/13/26 01:28	1
13C2 4:2 FTS	81.1	^c cn	40 - 200				06/12/26 07:45	06/13/26 01:28	1
13C2 6:2 FTS	98.7	^c cn	40 - 200				06/12/26 07:45	06/13/26 01:28	1
13C2 8:2 FTS	77.8	cn	40 - 300				06/12/26 07:45	06/13/26 01:28	1
13C3 HFPO-DA	87.6	cn	40 - 130				06/12/26 07:45	06/13/26 01:28	1
d7-N-MeFOSE-M	39.2	cn	10 - 130				06/12/26 07:45	06/13/26 01:28	1
d9-N-EtFOSE-M	29.9	cn	10 - 130				06/12/26 07:45	06/13/26 01:28	1
d5-NEtPFOSA	30.1	cn	10 - 130				06/12/26 07:45	06/13/26 01:28	1
d3-NMePFOSA	38.1	cn	10 - 130				06/12/26 07:45	06/13/26 01:28	1
13C2 PFDoA	61.1	cn	10 - 130				06/12/26 07:45	06/13/26 01:28	1
13C3-3:3 FTCA	121	cn	20 - 150				06/12/26 07:45	06/13/26 01:28	1
13C3-5:3 FTCA	99.7	cn	20 - 150				06/12/26 07:45	06/13/26 01:28	1
13C3-PFDoS	26.1	cn	20 - 150				06/12/26 07:45	06/13/26 01:28	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-49A

Lab Sample ID: 410-286100-7

Date Collected: 06/01/26 10:45

Matrix: Water

Date Received: 06/01/26 17:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/12/26 11:53	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/12/26 11:53	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/12/26 11:53	1
Styrene	ND		5.0	0.30	ug/L			06/12/26 11:53	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/12/26 11:53	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/12/26 11:53	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/12/26 11:53	1
4-Methyl-2-pentanone	ND	^c cn	10	0.50	ug/L			06/12/26 11:53	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/12/26 11:53	1
Toluene	ND		1.0	0.30	ug/L			06/12/26 11:53	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/12/26 11:53	1
Cyclohexane	ND		5.0	1.0	ug/L			06/12/26 11:53	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/12/26 11:53	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/12/26 11:53	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/12/26 11:53	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/12/26 11:53	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/12/26 11:53	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/12/26 11:53	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/12/26 11:53	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/12/26 11:53	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/12/26 11:53	1
2-Hexanone	ND	^c cn	10	0.85	ug/L			06/12/26 11:53	1
Acetone	1.3	J ^c cn	20	0.70	ug/L			06/12/26 11:53	1
Chloroform	ND		1.0	0.30	ug/L			06/12/26 11:53	1
Benzene	ND		1.0	0.30	ug/L			06/12/26 11:53	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/12/26 11:53	1
Bromomethane	ND		1.0	0.30	ug/L			06/12/26 11:53	1
Chloromethane	ND		2.0	0.55	ug/L			06/12/26 11:53	1
Chloroethane	ND		1.0	0.30	ug/L			06/12/26 11:53	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/12/26 11:53	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/12/26 11:53	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/12/26 11:53	1
Bromoform	ND		4.0	1.0	ug/L			06/12/26 11:53	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/12/26 11:53	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/12/26 11:53	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/12/26 11:53	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/12/26 11:53	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/12/26 11:53	1
Freon 113	ND		10	0.30	ug/L			06/12/26 11:53	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/12/26 11:53	1
2-Butanone	ND	^c cn	10	1.0	ug/L			06/12/26 11:53	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/12/26 11:53	1
Trichloroethene	ND		1.0	0.30	ug/L			06/12/26 11:53	1
Methyl acetate	ND		5.0	0.60	ug/L			06/12/26 11:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/12/26 11:53	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/12/26 11:53	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/12/26 11:53	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/12/26 11:53	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-49A

Lab Sample ID: 410-286100-7

Date Collected: 06/01/26 10:45

Matrix: Water

Date Received: 06/01/26 17:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120		06/12/26 11:53	1
Dibromofluoromethane (Surr)	95		80 - 120		06/12/26 11:53	1
4-Bromofluorobenzene (Surr)	96		80 - 120		06/12/26 11:53	1
Toluene-d8 (Surr)	98		80 - 120		06/12/26 11:53	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.0		3.2	0.87	ng/L		06/12/26 07:45	06/13/26 01:42	1
Perfluoropentanoic acid (PFPeA)	ND		1.6	0.48	ng/L		06/12/26 07:45	06/13/26 01:42	1
Perfluorohexanoic acid (PFHxA)	2.4		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 01:42	1
Perfluoroheptanoic acid (PFHpA)	1.6		1.6	0.64	ng/L		06/12/26 07:45	06/13/26 01:42	1
Perfluorooctanoic acid (PFOA)	3.4		1.6	0.71	ng/L		06/12/26 07:45	06/13/26 01:42	1
Perfluorononanoic acid (PFNA)	3.9		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 01:42	1
Perfluorodecanoic acid (PFDA)	ND	cn	1.6	0.40	ng/L		06/12/26 07:45	06/13/26 01:42	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 01:42	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 01:42	1
Perfluorotridecanoic acid (PFTrDA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 01:42	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 01:42	1
Perfluorobutanesulfonic acid (PFBS)	0.90	J	1.6	0.40	ng/L		06/12/26 07:45	06/13/26 01:42	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 01:42	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.6	0.64	ng/L		06/12/26 07:45	06/13/26 01:42	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 01:42	1
Perfluorooctanesulfonic acid (PFOS)	6.0		1.6	1.0	ng/L		06/12/26 07:45	06/13/26 01:42	1
Perfluorononanesulfonic acid (PFNS)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 01:42	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 01:42	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.6	0.48	ng/L		06/12/26 07:45	06/13/26 01:42	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.2	0.79	ng/L		06/12/26 07:45	06/13/26 01:42	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		3.2	0.79	ng/L		06/12/26 07:45	06/13/26 01:42	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.2	0.79	ng/L		06/12/26 07:45	06/13/26 01:42	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 01:42	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 01:42	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.6	0.87	ng/L		06/12/26 07:45	06/13/26 01:42	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 01:42	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 01:42	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		7.9	3.2	ng/L		06/12/26 07:45	06/13/26 01:42	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		7.9	3.2	ng/L		06/12/26 07:45	06/13/26 01:42	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.6	1.1	ng/L		06/12/26 07:45	06/13/26 01:42	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 01:42	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-49A

Lab Sample ID: 410-286100-7

Date Collected: 06/01/26 10:45

Matrix: Water

Date Received: 06/01/26 17:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 01:42	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 01:42	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 01:42	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 01:42	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 01:42	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 01:42	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.2	0.79	ng/L		06/12/26 07:45	06/13/26 01:42	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		7.9	2.2	ng/L		06/12/26 07:45	06/13/26 01:42	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		7.9	2.0	ng/L		06/12/26 07:45	06/13/26 01:42	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	98.9		5 - 130				06/12/26 07:45	06/13/26 01:42	1
13C5 PFPeA	98.3		40 - 130				06/12/26 07:45	06/13/26 01:42	1
13C5 PFHxA	98.0		40 - 130				06/12/26 07:45	06/13/26 01:42	1
13C4 PFHpA	95.2		40 - 130				06/12/26 07:45	06/13/26 01:42	1
13C8 PFOA	101		40 - 130				06/12/26 07:45	06/13/26 01:42	1
13C9 PFNA	97.5		40 - 130				06/12/26 07:45	06/13/26 01:42	1
13C6 PFDA	84.5		40 - 130				06/12/26 07:45	06/13/26 01:42	1
13C7 PFUnA	79.7		30 - 130				06/12/26 07:45	06/13/26 01:42	1
13C2 PFTeDA	67.4		10 - 130				06/12/26 07:45	06/13/26 01:42	1
13C3 PFBS	105		40 - 135				06/12/26 07:45	06/13/26 01:42	1
13C3 PFHxS	101		40 - 130				06/12/26 07:45	06/13/26 01:42	1
13C8 PFOS	94.8		40 - 130				06/12/26 07:45	06/13/26 01:42	1
13C8 FOSA	82.0		40 - 130				06/12/26 07:45	06/13/26 01:42	1
d3-NMeFOSAA	78.7		40 - 170				06/12/26 07:45	06/13/26 01:42	1
d5-NEtFOSAA	74.2		25 - 135				06/12/26 07:45	06/13/26 01:42	1
13C2 4:2 FTS	139	^c cn	40 - 200				06/12/26 07:45	06/13/26 01:42	1
13C2 6:2 FTS	97.3	^c cn	40 - 200				06/12/26 07:45	06/13/26 01:42	1
13C2 8:2 FTS	94.7		40 - 300				06/12/26 07:45	06/13/26 01:42	1
13C3 HFPO-DA	89.2		40 - 130				06/12/26 07:45	06/13/26 01:42	1
d7-N-MeFOSE-M	60.5		10 - 130				06/12/26 07:45	06/13/26 01:42	1
d9-N-EtFOSE-M	54.5		10 - 130				06/12/26 07:45	06/13/26 01:42	1
d5-NEtPFOSA	65.0		10 - 130				06/12/26 07:45	06/13/26 01:42	1
d3-NMePFOSA	69.1		10 - 130				06/12/26 07:45	06/13/26 01:42	1
13C2 PFDoA	77.5		10 - 130				06/12/26 07:45	06/13/26 01:42	1
13C3-3:3 FTCA	128		20 - 150				06/12/26 07:45	06/13/26 01:42	1
13C3-5:3 FTCA	107		20 - 150				06/12/26 07:45	06/13/26 01:42	1
13C3-PFDoS	65.6		20 - 150				06/12/26 07:45	06/13/26 01:42	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-49B

Lab Sample ID: 410-286100-8

Date Collected: 06/01/26 11:00

Matrix: Water

Date Received: 06/01/26 17:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/12/26 12:13	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/12/26 12:13	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/12/26 12:13	1
Styrene	ND		5.0	0.30	ug/L			06/12/26 12:13	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/12/26 12:13	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/12/26 12:13	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/12/26 12:13	1
4-Methyl-2-pentanone	ND	^c cn	10	0.50	ug/L			06/12/26 12:13	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/12/26 12:13	1
Toluene	ND		1.0	0.30	ug/L			06/12/26 12:13	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/12/26 12:13	1
Cyclohexane	ND		5.0	1.0	ug/L			06/12/26 12:13	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/12/26 12:13	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/12/26 12:13	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/12/26 12:13	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/12/26 12:13	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/12/26 12:13	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/12/26 12:13	1
Methyl tertiary butyl ether	120		1.0	0.20	ug/L			06/12/26 12:13	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/12/26 12:13	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/12/26 12:13	1
2-Hexanone	ND	^c cn	10	0.85	ug/L			06/12/26 12:13	1
Acetone	ND	^c cn	20	0.70	ug/L			06/12/26 12:13	1
Chloroform	ND		1.0	0.30	ug/L			06/12/26 12:13	1
Benzene	ND		1.0	0.30	ug/L			06/12/26 12:13	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/12/26 12:13	1
Bromomethane	ND		1.0	0.30	ug/L			06/12/26 12:13	1
Chloromethane	ND		2.0	0.55	ug/L			06/12/26 12:13	1
Chloroethane	ND		1.0	0.30	ug/L			06/12/26 12:13	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/12/26 12:13	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/12/26 12:13	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/12/26 12:13	1
Bromoform	ND		4.0	1.0	ug/L			06/12/26 12:13	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/12/26 12:13	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/12/26 12:13	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/12/26 12:13	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/12/26 12:13	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/12/26 12:13	1
Freon 113	ND		10	0.30	ug/L			06/12/26 12:13	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/12/26 12:13	1
2-Butanone	ND	^c cn	10	1.0	ug/L			06/12/26 12:13	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/12/26 12:13	1
Trichloroethene	2.0		1.0	0.30	ug/L			06/12/26 12:13	1
Methyl acetate	ND		5.0	0.60	ug/L			06/12/26 12:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/12/26 12:13	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/12/26 12:13	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/12/26 12:13	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/12/26 12:13	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-49B

Lab Sample ID: 410-286100-8

Date Collected: 06/01/26 11:00

Matrix: Water

Date Received: 06/01/26 17:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		06/12/26 12:13	1
Dibromofluoromethane (Surr)	92		80 - 120		06/12/26 12:13	1
4-Bromofluorobenzene (Surr)	95		80 - 120		06/12/26 12:13	1
Toluene-d8 (Surr)	97		80 - 120		06/12/26 12:13	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.0		3.2	0.87	ng/L		06/12/26 07:45	06/13/26 02:24	1
Perfluoropentanoic acid (PFPeA)	1.9		1.6	0.48	ng/L		06/12/26 07:45	06/13/26 02:24	1
Perfluorohexanoic acid (PFHxA)	1.4	J	1.6	0.40	ng/L		06/12/26 07:45	06/13/26 02:24	1
Perfluoroheptanoic acid (PFHpA)	0.77	J	1.6	0.63	ng/L		06/12/26 07:45	06/13/26 02:24	1
Perfluorooctanoic acid (PFOA)	1.8		1.6	0.71	ng/L		06/12/26 07:45	06/13/26 02:24	1
Perfluorononanoic acid (PFNA)	0.64	J	1.6	0.40	ng/L		06/12/26 07:45	06/13/26 02:24	1
Perfluorodecanoic acid (PFDA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 02:24	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 02:24	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 02:24	1
Perfluorotridecanoic acid (PFTrDA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 02:24	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 02:24	1
Perfluorobutanesulfonic acid (PFBS)	0.67	J	1.6	0.40	ng/L		06/12/26 07:45	06/13/26 02:24	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 02:24	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.6	0.63	ng/L		06/12/26 07:45	06/13/26 02:24	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 02:24	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.6	1.0	ng/L		06/12/26 07:45	06/13/26 02:24	1
Perfluorononanesulfonic acid (PFNS)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 02:24	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 02:24	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.6	0.48	ng/L		06/12/26 07:45	06/13/26 02:24	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.2	0.79	ng/L		06/12/26 07:45	06/13/26 02:24	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		3.2	0.79	ng/L		06/12/26 07:45	06/13/26 02:24	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.2	0.79	ng/L		06/12/26 07:45	06/13/26 02:24	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 02:24	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 02:24	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.6	0.87	ng/L		06/12/26 07:45	06/13/26 02:24	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 02:24	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 02:24	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		7.9	3.2	ng/L		06/12/26 07:45	06/13/26 02:24	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		7.9	3.2	ng/L		06/12/26 07:45	06/13/26 02:24	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.6	1.1	ng/L		06/12/26 07:45	06/13/26 02:24	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 02:24	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-49B

Lab Sample ID: 410-286100-8

Date Collected: 06/01/26 11:00

Matrix: Water

Date Received: 06/01/26 17:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 02:24	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 02:24	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 02:24	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 02:24	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 02:24	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 02:24	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.2	0.79	ng/L		06/12/26 07:45	06/13/26 02:24	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		7.9	2.2	ng/L		06/12/26 07:45	06/13/26 02:24	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		7.9	2.0	ng/L		06/12/26 07:45	06/13/26 02:24	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	98.2		5 - 130				06/12/26 07:45	06/13/26 02:24	1
13C5 PFPeA	97.5		40 - 130				06/12/26 07:45	06/13/26 02:24	1
13C5 PFHxA	97.8		40 - 130				06/12/26 07:45	06/13/26 02:24	1
13C4 PFHpA	92.6		40 - 130				06/12/26 07:45	06/13/26 02:24	1
13C8 PFOA	89.7		40 - 130				06/12/26 07:45	06/13/26 02:24	1
13C9 PFNA	87.4		40 - 130				06/12/26 07:45	06/13/26 02:24	1
13C6 PFDA	75.1		40 - 130				06/12/26 07:45	06/13/26 02:24	1
13C7 PFUnA	72.4		30 - 130				06/12/26 07:45	06/13/26 02:24	1
13C2 PFTeDA	70.7		10 - 130				06/12/26 07:45	06/13/26 02:24	1
13C3 PFBS	95.1		40 - 135				06/12/26 07:45	06/13/26 02:24	1
13C3 PFHxS	89.8		40 - 130				06/12/26 07:45	06/13/26 02:24	1
13C8 PFOS	83.7		40 - 130				06/12/26 07:45	06/13/26 02:24	1
13C8 FOSA	72.4		40 - 130				06/12/26 07:45	06/13/26 02:24	1
d3-NMeFOSAA	60.7		40 - 170				06/12/26 07:45	06/13/26 02:24	1
d5-NEtFOSAA	55.8		25 - 135				06/12/26 07:45	06/13/26 02:24	1
13C2 4:2 FTS	62.1	^c cn	40 - 200				06/12/26 07:45	06/13/26 02:24	1
13C2 6:2 FTS	62.5	^c cn	40 - 200				06/12/26 07:45	06/13/26 02:24	1
13C2 8:2 FTS	57.4		40 - 300				06/12/26 07:45	06/13/26 02:24	1
13C3 HFPO-DA	88.0		40 - 130				06/12/26 07:45	06/13/26 02:24	1
d7-N-MeFOSE-M	56.8		10 - 130				06/12/26 07:45	06/13/26 02:24	1
d9-N-EtFOSE-M	49.4		10 - 130				06/12/26 07:45	06/13/26 02:24	1
d5-NEtPFOSA	56.8		10 - 130				06/12/26 07:45	06/13/26 02:24	1
d3-NMePFOSA	59.7		10 - 130				06/12/26 07:45	06/13/26 02:24	1
13C2 PFDoA	73.7		10 - 130				06/12/26 07:45	06/13/26 02:24	1
13C3-3:3 FTCA	119		20 - 150				06/12/26 07:45	06/13/26 02:24	1
13C3-5:3 FTCA	97.0		20 - 150				06/12/26 07:45	06/13/26 02:24	1
13C3-PFDoS	62.1		20 - 150				06/12/26 07:45	06/13/26 02:24	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-14

Lab Sample ID: 410-286100-9

Date Collected: 06/01/26 11:30

Matrix: Water

Date Received: 06/01/26 17:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/12/26 12:32	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/12/26 12:32	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/12/26 12:32	1
Styrene	ND		5.0	0.30	ug/L			06/12/26 12:32	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/12/26 12:32	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/12/26 12:32	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/12/26 12:32	1
4-Methyl-2-pentanone	ND	^c cn	10	0.50	ug/L			06/12/26 12:32	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/12/26 12:32	1
Toluene	ND		1.0	0.30	ug/L			06/12/26 12:32	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/12/26 12:32	1
Cyclohexane	ND		5.0	1.0	ug/L			06/12/26 12:32	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/12/26 12:32	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/12/26 12:32	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/12/26 12:32	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/12/26 12:32	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/12/26 12:32	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/12/26 12:32	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/12/26 12:32	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/12/26 12:32	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/12/26 12:32	1
2-Hexanone	ND	^c cn	10	0.85	ug/L			06/12/26 12:32	1
Acetone	ND	^c cn	20	0.70	ug/L			06/12/26 12:32	1
Chloroform	ND		1.0	0.30	ug/L			06/12/26 12:32	1
Benzene	ND		1.0	0.30	ug/L			06/12/26 12:32	1
1,1,1-Trichloroethane	1.7		1.0	0.30	ug/L			06/12/26 12:32	1
Bromomethane	ND		1.0	0.30	ug/L			06/12/26 12:32	1
Chloromethane	ND		2.0	0.55	ug/L			06/12/26 12:32	1
Chloroethane	ND		1.0	0.30	ug/L			06/12/26 12:32	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/12/26 12:32	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/12/26 12:32	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/12/26 12:32	1
Bromoform	ND		4.0	1.0	ug/L			06/12/26 12:32	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/12/26 12:32	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/12/26 12:32	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/12/26 12:32	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/12/26 12:32	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/12/26 12:32	1
Freon 113	ND		10	0.30	ug/L			06/12/26 12:32	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/12/26 12:32	1
2-Butanone	ND	^c cn	10	1.0	ug/L			06/12/26 12:32	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/12/26 12:32	1
Trichloroethene	2.5		1.0	0.30	ug/L			06/12/26 12:32	1
Methyl acetate	ND		5.0	0.60	ug/L			06/12/26 12:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/12/26 12:32	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/12/26 12:32	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/12/26 12:32	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/12/26 12:32	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-14

Lab Sample ID: 410-286100-9

Date Collected: 06/01/26 11:30

Matrix: Water

Date Received: 06/01/26 17:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120		06/12/26 12:32	1
Dibromofluoromethane (Surr)	92		80 - 120		06/12/26 12:32	1
4-Bromofluorobenzene (Surr)	100		80 - 120		06/12/26 12:32	1
Toluene-d8 (Surr)	96		80 - 120		06/12/26 12:32	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/02/26 09:26	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20	0.10	mg/L			06/13/26 00:10	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	12	cn	3.9	1.1	ng/L		06/12/26 07:45	06/13/26 02:39	1
Perfluoropentanoic acid (PFPeA)	14	cn	1.9	0.58	ng/L		06/12/26 07:45	06/13/26 02:39	1
Perfluorohexanoic acid (PFHxA)	9.5	cn	1.9	0.48	ng/L		06/12/26 07:45	06/13/26 02:39	1
Perfluoroheptanoic acid (PFHpA)	8.6	cn	1.9	0.77	ng/L		06/12/26 07:45	06/13/26 02:39	1
Perfluorooctanoic acid (PFOA)	17	cn	1.9	0.87	ng/L		06/12/26 07:45	06/13/26 02:39	1
Perfluorononanoic acid (PFNA)	17	cn	1.9	0.48	ng/L		06/12/26 07:45	06/13/26 02:39	1
Perfluorodecanoic acid (PFDA)	1.0	J cn	1.9	0.48	ng/L		06/12/26 07:45	06/13/26 02:39	1
Perfluoroundecanoic acid (PFUnA)	ND	cn	1.9	0.48	ng/L		06/12/26 07:45	06/13/26 02:39	1
Perfluorododecanoic acid (PFDoA)	ND	cn	1.9	0.48	ng/L		06/12/26 07:45	06/13/26 02:39	1
Perfluorotridecanoic acid (PFTriDA)	ND	cn	1.9	0.48	ng/L		06/12/26 07:45	06/13/26 02:39	1
Perfluorotetradecanoic acid (PFTeDA)	ND	cn	1.9	0.48	ng/L		06/12/26 07:45	06/13/26 02:39	1
Perfluorobutanesulfonic acid (PFBS)	1.7	J cn	1.9	0.48	ng/L		06/12/26 07:45	06/13/26 02:39	1
Perfluoropentanesulfonic acid (PFPeS)	ND	cn	1.9	0.48	ng/L		06/12/26 07:45	06/13/26 02:39	1
Perfluorohexanesulfonic acid (PFHxS)	1.7	J cn	1.9	0.77	ng/L		06/12/26 07:45	06/13/26 02:39	1
Perfluoroheptanesulfonic acid (PFHpS)	ND	cn	1.9	0.48	ng/L		06/12/26 07:45	06/13/26 02:39	1
Perfluorooctanesulfonic acid (PFOS)	29	cn	1.9	1.3	ng/L		06/12/26 07:45	06/13/26 02:39	1
Perfluorononanesulfonic acid (PFNS)	ND	cn	1.9	0.48	ng/L		06/12/26 07:45	06/13/26 02:39	1
Perfluorodecanesulfonic acid (PFDS)	ND	cn	1.9	0.48	ng/L		06/12/26 07:45	06/13/26 02:39	1
Perfluorododecanesulfonic acid (PFDoS)	ND	cn	1.9	0.58	ng/L		06/12/26 07:45	06/13/26 02:39	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND	cn	3.9	0.97	ng/L		06/12/26 07:45	06/13/26 02:39	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND	cn	3.9	0.97	ng/L		06/12/26 07:45	06/13/26 02:39	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND	cn	3.9	0.97	ng/L		06/12/26 07:45	06/13/26 02:39	1
Perfluorooctanesulfonamide (PFOSA)	ND	cn	1.9	0.48	ng/L		06/12/26 07:45	06/13/26 02:39	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND	cn	1.9	0.48	ng/L		06/12/26 07:45	06/13/26 02:39	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND	cn	1.9	1.1	ng/L		06/12/26 07:45	06/13/26 02:39	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND	cn	1.9	0.48	ng/L		06/12/26 07:45	06/13/26 02:39	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-14

Lab Sample ID: 410-286100-9

Date Collected: 06/01/26 11:30

Matrix: Water

Date Received: 06/01/26 17:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND	cn	1.9	0.48	ng/L		06/12/26 07:45	06/13/26 02:39	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND	cn	9.7	3.9	ng/L		06/12/26 07:45	06/13/26 02:39	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND	cn	9.7	3.9	ng/L		06/12/26 07:45	06/13/26 02:39	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	cn	1.9	1.4	ng/L		06/12/26 07:45	06/13/26 02:39	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND	cn	1.9	0.48	ng/L		06/12/26 07:45	06/13/26 02:39	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	cn	1.9	0.48	ng/L		06/12/26 07:45	06/13/26 02:39	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	cn	1.9	0.48	ng/L		06/12/26 07:45	06/13/26 02:39	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	cn	1.9	0.48	ng/L		06/12/26 07:45	06/13/26 02:39	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND	cn	1.9	0.48	ng/L		06/12/26 07:45	06/13/26 02:39	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND	cn	1.9	0.48	ng/L		06/12/26 07:45	06/13/26 02:39	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND	cn	1.9	0.48	ng/L		06/12/26 07:45	06/13/26 02:39	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND	cn	3.9	0.97	ng/L		06/12/26 07:45	06/13/26 02:39	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND	cn	9.7	2.7	ng/L		06/12/26 07:45	06/13/26 02:39	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND	cn	9.7	2.4	ng/L		06/12/26 07:45	06/13/26 02:39	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	96.4	cn	5 - 130	06/12/26 07:45	06/13/26 02:39	1
13C5 PFPeA	96.0	cn	40 - 130	06/12/26 07:45	06/13/26 02:39	1
13C5 PFHxA	94.3	cn	40 - 130	06/12/26 07:45	06/13/26 02:39	1
13C4 PFHpA	89.5	cn	40 - 130	06/12/26 07:45	06/13/26 02:39	1
13C8 PFOA	95.9	cn	40 - 130	06/12/26 07:45	06/13/26 02:39	1
13C9 PFNA	89.1	cn	40 - 130	06/12/26 07:45	06/13/26 02:39	1
13C6 PFDA	79.0	cn	40 - 130	06/12/26 07:45	06/13/26 02:39	1
13C7 PFUnA	67.1	cn	30 - 130	06/12/26 07:45	06/13/26 02:39	1
13C2 PFTeDA	24.4	cn	10 - 130	06/12/26 07:45	06/13/26 02:39	1
13C3 PFBS	100	cn	40 - 135	06/12/26 07:45	06/13/26 02:39	1
13C3 PFHxS	90.0	cn	40 - 130	06/12/26 07:45	06/13/26 02:39	1
13C8 PFOS	81.1	cn	40 - 130	06/12/26 07:45	06/13/26 02:39	1
13C8 FOSA	62.0	cn	40 - 130	06/12/26 07:45	06/13/26 02:39	1
d3-NMeFOSAA	77.3	cn	40 - 170	06/12/26 07:45	06/13/26 02:39	1
d5-NEtFOSAA	60.8	cn	25 - 135	06/12/26 07:45	06/13/26 02:39	1
13C2 4:2 FTS	128	^c cn	40 - 200	06/12/26 07:45	06/13/26 02:39	1
13C2 6:2 FTS	119	^c cn	40 - 200	06/12/26 07:45	06/13/26 02:39	1
13C2 8:2 FTS	87.8	cn	40 - 300	06/12/26 07:45	06/13/26 02:39	1
13C3 HFPO-DA	85.7	cn	40 - 130	06/12/26 07:45	06/13/26 02:39	1
d7-N-MeFOSE-M	32.7	cn	10 - 130	06/12/26 07:45	06/13/26 02:39	1
d9-N-EtFOSE-M	23.4	cn	10 - 130	06/12/26 07:45	06/13/26 02:39	1
d5-NEtPFOSA	24.4	cn	10 - 130	06/12/26 07:45	06/13/26 02:39	1
d3-NMePFOSA	31.8	cn	10 - 130	06/12/26 07:45	06/13/26 02:39	1
13C2 PFDoA	50.0	cn	10 - 130	06/12/26 07:45	06/13/26 02:39	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-14

Lab Sample ID: 410-286100-9

Date Collected: 06/01/26 11:30

Matrix: Water

Date Received: 06/01/26 17:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-3:3 FTCA	130	cn	20 - 150	06/12/26 07:45	06/13/26 02:39	1
13C3-5:3 FTCA	101	cn	20 - 150	06/12/26 07:45	06/13/26 02:39	1
13C3-PFDoS	24.9	cn	20 - 150	06/12/26 07:45	06/13/26 02:39	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND	cn	0.0021	0.00057	mg/L		06/09/26 05:45	06/10/26 16:26	1
Nickel	0.00043	J cn	0.0010	0.00041	mg/L		06/09/26 05:45	06/10/26 16:26	1
Manganese	0.0015	J cn	0.0021	0.00098	mg/L		06/09/26 05:45	06/10/26 16:26	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-15

Lab Sample ID: 410-286100-10

Date Collected: 06/01/26 12:20

Matrix: Water

Date Received: 06/01/26 17:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/12/26 12:51	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/12/26 12:51	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/12/26 12:51	1
Styrene	ND		5.0	0.30	ug/L			06/12/26 12:51	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/12/26 12:51	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/12/26 12:51	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/12/26 12:51	1
4-Methyl-2-pentanone	ND	^c cn	10	0.50	ug/L			06/12/26 12:51	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/12/26 12:51	1
Toluene	ND		1.0	0.30	ug/L			06/12/26 12:51	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/12/26 12:51	1
Cyclohexane	ND		5.0	1.0	ug/L			06/12/26 12:51	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/12/26 12:51	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/12/26 12:51	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/12/26 12:51	1
Tetrachloroethene	6.6		1.0	0.30	ug/L			06/12/26 12:51	1
trans-1,2-Dichloroethene	6.5		2.0	0.70	ug/L			06/12/26 12:51	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/12/26 12:51	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/12/26 12:51	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/12/26 12:51	1
2-Hexanone	ND	^c cn	10	0.85	ug/L			06/12/26 12:51	1
Acetone	2.3	J ^c cn	20	0.70	ug/L			06/12/26 12:51	1
Chloroform	ND		1.0	0.30	ug/L			06/12/26 12:51	1
Benzene	ND		1.0	0.30	ug/L			06/12/26 12:51	1
Bromomethane	ND		1.0	0.30	ug/L			06/12/26 12:51	1
Chloromethane	ND		2.0	0.55	ug/L			06/12/26 12:51	1
Chloroethane	1.2		1.0	0.30	ug/L			06/12/26 12:51	1
Vinyl chloride	15		1.0	0.30	ug/L			06/12/26 12:51	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/12/26 12:51	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/12/26 12:51	1
Bromoform	ND		4.0	1.0	ug/L			06/12/26 12:51	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/12/26 12:51	1
1,1-Dichloroethane	37		1.0	0.30	ug/L			06/12/26 12:51	1
1,1-Dichloroethene	90		1.0	0.30	ug/L			06/12/26 12:51	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/12/26 12:51	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/12/26 12:51	1
Freon 113	120		10	0.30	ug/L			06/12/26 12:51	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/12/26 12:51	1
2-Butanone	ND	^c cn	10	1.0	ug/L			06/12/26 12:51	1
1,1,2-Trichloroethane	0.31	J	1.0	0.30	ug/L			06/12/26 12:51	1
Methyl acetate	ND		5.0	0.60	ug/L			06/12/26 12:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/12/26 12:51	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/12/26 12:51	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/12/26 12:51	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/12/26 12:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		80 - 120		06/12/26 12:51	1
Dibromofluoromethane (Surr)	99		80 - 120		06/12/26 12:51	1
4-Bromofluorobenzene (Surr)	97		80 - 120		06/12/26 12:51	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-15

Lab Sample ID: 410-286100-10

Date Collected: 06/01/26 12:20

Matrix: Water

Date Received: 06/01/26 17:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120		06/12/26 12:51	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	1100		20	6.0	ug/L			06/14/26 17:00	20
Trichloroethene	1600		20	6.0	ug/L			06/14/26 17:00	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		06/14/26 17:00	20
Dibromofluoromethane (Surr)	115		80 - 120		06/14/26 17:00	20
4-Bromofluorobenzene (Surr)	93		80 - 120		06/14/26 17:00	20
Toluene-d8 (Surr)	95		80 - 120		06/14/26 17:00	20

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - RADL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1800	cn	20	6.0	ug/L			06/15/26 14:47	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101	cn	80 - 120		06/15/26 14:47	20
Dibromofluoromethane (Surr)	102	cn	80 - 120		06/15/26 14:47	20
4-Bromofluorobenzene (Surr)	93	cn	80 - 120		06/15/26 14:47	20
Toluene-d8 (Surr)	100	cn	80 - 120		06/15/26 14:47	20

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/02/26 09:33	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.17	J	0.20	0.10	mg/L			06/13/26 01:57	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	48		3.5	0.95	ng/L		06/12/26 07:45	06/13/26 02:53	1
Perfluoropentanoic acid (PFPeA)	130		1.7	0.52	ng/L		06/12/26 07:45	06/13/26 02:53	1
Perfluorohexanoic acid (PFHxA)	86		1.7	0.43	ng/L		06/12/26 07:45	06/13/26 02:53	1
Perfluoroheptanoic acid (PFHpA)	75		1.7	0.69	ng/L		06/12/26 07:45	06/13/26 02:53	1
Perfluorooctanoic acid (PFOA)	65		1.7	0.78	ng/L		06/12/26 07:45	06/13/26 02:53	1
Perfluorononanoic acid (PFNA)	31		1.7	0.43	ng/L		06/12/26 07:45	06/13/26 02:53	1
Perfluorodecanoic acid (PFDA)	ND		1.7	0.43	ng/L		06/12/26 07:45	06/13/26 02:53	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.43	ng/L		06/12/26 07:45	06/13/26 02:53	1
Perfluorododecanoic acid (PFDoA)	ND		1.7	0.43	ng/L		06/12/26 07:45	06/13/26 02:53	1
Perfluorotridecanoic acid (PFTriDA)	ND		1.7	0.43	ng/L		06/12/26 07:45	06/13/26 02:53	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.7	0.43	ng/L		06/12/26 07:45	06/13/26 02:53	1
Perfluorobutanesulfonic acid (PFBS)	0.82	J	1.7	0.43	ng/L		06/12/26 07:45	06/13/26 02:53	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.7	0.43	ng/L		06/12/26 07:45	06/13/26 02:53	1
Perfluorohexanesulfonic acid (PFHxS)	1.0	J	1.7	0.69	ng/L		06/12/26 07:45	06/13/26 02:53	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.7	0.43	ng/L		06/12/26 07:45	06/13/26 02:53	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-15

Lab Sample ID: 410-286100-10

Date Collected: 06/01/26 12:20

Matrix: Water

Date Received: 06/01/26 17:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	4.2		1.7	1.1	ng/L		06/12/26 07:45	06/13/26 02:53	1
Perfluorononanesulfonic acid (PFNS)	ND		1.7	0.43	ng/L		06/12/26 07:45	06/13/26 02:53	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.43	ng/L		06/12/26 07:45	06/13/26 02:53	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.7	0.52	ng/L		06/12/26 07:45	06/13/26 02:53	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.5	0.86	ng/L		06/12/26 07:45	06/13/26 02:53	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	54		3.5	0.86	ng/L		06/12/26 07:45	06/13/26 02:53	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	9.7		3.5	0.86	ng/L		06/12/26 07:45	06/13/26 02:53	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.7	0.43	ng/L		06/12/26 07:45	06/13/26 02:53	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.7	0.43	ng/L		06/12/26 07:45	06/13/26 02:53	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.7	0.95	ng/L		06/12/26 07:45	06/13/26 02:53	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.7	0.43	ng/L		06/12/26 07:45	06/13/26 02:53	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.7	0.43	ng/L		06/12/26 07:45	06/13/26 02:53	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.6	3.5	ng/L		06/12/26 07:45	06/13/26 02:53	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.6	3.5	ng/L		06/12/26 07:45	06/13/26 02:53	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.7	1.2	ng/L		06/12/26 07:45	06/13/26 02:53	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.7	0.43	ng/L		06/12/26 07:45	06/13/26 02:53	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.7	0.43	ng/L		06/12/26 07:45	06/13/26 02:53	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.7	0.43	ng/L		06/12/26 07:45	06/13/26 02:53	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.7	0.43	ng/L		06/12/26 07:45	06/13/26 02:53	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.7	0.43	ng/L		06/12/26 07:45	06/13/26 02:53	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.7	0.43	ng/L		06/12/26 07:45	06/13/26 02:53	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.7	0.43	ng/L		06/12/26 07:45	06/13/26 02:53	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.5	0.86	ng/L		06/12/26 07:45	06/13/26 02:53	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		8.6	2.4	ng/L		06/12/26 07:45	06/13/26 02:53	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.6	2.2	ng/L		06/12/26 07:45	06/13/26 02:53	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	104		5 - 130				06/12/26 07:45	06/13/26 02:53	1
13C5 PFPeA	99.4		40 - 130				06/12/26 07:45	06/13/26 02:53	1
13C5 PFHxA	99.8		40 - 130				06/12/26 07:45	06/13/26 02:53	1
13C4 PFHpA	96.9		40 - 130				06/12/26 07:45	06/13/26 02:53	1
13C8 PFOA	101		40 - 130				06/12/26 07:45	06/13/26 02:53	1
13C9 PFNA	99.6		40 - 130				06/12/26 07:45	06/13/26 02:53	1
13C6 PFDA	85.3		40 - 130				06/12/26 07:45	06/13/26 02:53	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-15

Lab Sample ID: 410-286100-10

Date Collected: 06/01/26 12:20

Matrix: Water

Date Received: 06/01/26 17:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C7 PFUnA	83.2		30 - 130	06/12/26 07:45	06/13/26 02:53	1
13C2 PFTeDA	71.2		10 - 130	06/12/26 07:45	06/13/26 02:53	1
13C3 PFBS	108		40 - 135	06/12/26 07:45	06/13/26 02:53	1
13C3 PFHxS	97.6		40 - 130	06/12/26 07:45	06/13/26 02:53	1
13C8 PFOS	92.1		40 - 130	06/12/26 07:45	06/13/26 02:53	1
13C8 FOSA	86.0		40 - 130	06/12/26 07:45	06/13/26 02:53	1
d3-NMeFOSAA	75.6		40 - 170	06/12/26 07:45	06/13/26 02:53	1
d5-NEtFOSAA	73.1		25 - 135	06/12/26 07:45	06/13/26 02:53	1
13C2 4:2 FTS	107	^c cn	40 - 200	06/12/26 07:45	06/13/26 02:53	1
13C2 6:2 FTS	90.9	^c cn	40 - 200	06/12/26 07:45	06/13/26 02:53	1
13C2 8:2 FTS	81.9		40 - 300	06/12/26 07:45	06/13/26 02:53	1
13C3 HFPO-DA	92.7		40 - 130	06/12/26 07:45	06/13/26 02:53	1
d7-N-MeFOSE-M	65.3		10 - 130	06/12/26 07:45	06/13/26 02:53	1
d9-N-EtFOSE-M	60.5		10 - 130	06/12/26 07:45	06/13/26 02:53	1
d5-NEtPFOSA	69.8		10 - 130	06/12/26 07:45	06/13/26 02:53	1
d3-NMePFOSA	72.9		10 - 130	06/12/26 07:45	06/13/26 02:53	1
13C2 PFDoA	78.9		10 - 130	06/12/26 07:45	06/13/26 02:53	1
13C3-3:3 FTCA	132		20 - 150	06/12/26 07:45	06/13/26 02:53	1
13C3-5:3 FTCA	107		20 - 150	06/12/26 07:45	06/13/26 02:53	1
13C3-PFDoS	67.5		20 - 150	06/12/26 07:45	06/13/26 02:53	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND	cn	0.0021	0.00057	mg/L		06/09/26 05:45	06/10/26 16:18	1
Nickel	0.0015	cn	0.0010	0.00041	mg/L		06/09/26 05:45	06/10/26 16:18	1
Manganese	1.5	cn	0.0021	0.00098	mg/L		06/09/26 05:45	06/10/26 16:18	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-28A

Lab Sample ID: 410-286100-11

Date Collected: 06/01/26 12:50

Matrix: Water

Date Received: 06/01/26 17:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/12/26 13:11	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/12/26 13:11	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/12/26 13:11	1
Styrene	ND		5.0	0.30	ug/L			06/12/26 13:11	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/12/26 13:11	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/12/26 13:11	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/12/26 13:11	1
4-Methyl-2-pentanone	ND	^c cn	10	0.50	ug/L			06/12/26 13:11	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/12/26 13:11	1
Toluene	ND		1.0	0.30	ug/L			06/12/26 13:11	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/12/26 13:11	1
Cyclohexane	ND		5.0	1.0	ug/L			06/12/26 13:11	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/12/26 13:11	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/12/26 13:11	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/12/26 13:11	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/12/26 13:11	1
cis-1,2-Dichloroethene	13		1.0	0.30	ug/L			06/12/26 13:11	1
trans-1,2-Dichloroethene	2.0		2.0	0.70	ug/L			06/12/26 13:11	1
Methyl tertiary butyl ether	2.1		1.0	0.20	ug/L			06/12/26 13:11	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/12/26 13:11	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/12/26 13:11	1
2-Hexanone	ND	^c cn	10	0.85	ug/L			06/12/26 13:11	1
Acetone	2.3	J ^c cn	20	0.70	ug/L			06/12/26 13:11	1
Chloroform	ND		1.0	0.30	ug/L			06/12/26 13:11	1
Benzene	ND		1.0	0.30	ug/L			06/12/26 13:11	1
1,1,1-Trichloroethane	6.7		1.0	0.30	ug/L			06/12/26 13:11	1
Bromomethane	ND		1.0	0.30	ug/L			06/12/26 13:11	1
Chloromethane	ND		2.0	0.55	ug/L			06/12/26 13:11	1
Chloroethane	ND		1.0	0.30	ug/L			06/12/26 13:11	1
Vinyl chloride	7.4		1.0	0.30	ug/L			06/12/26 13:11	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/12/26 13:11	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/12/26 13:11	1
Bromoform	ND		4.0	1.0	ug/L			06/12/26 13:11	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/12/26 13:11	1
1,1-Dichloroethane	24		1.0	0.30	ug/L			06/12/26 13:11	1
1,1-Dichloroethene	1.2		1.0	0.30	ug/L			06/12/26 13:11	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/12/26 13:11	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/12/26 13:11	1
Freon 113	ND		10	0.30	ug/L			06/12/26 13:11	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/12/26 13:11	1
2-Butanone	ND	^c cn	10	1.0	ug/L			06/12/26 13:11	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/12/26 13:11	1
Trichloroethene	25		1.0	0.30	ug/L			06/12/26 13:11	1
Methyl acetate	ND		5.0	0.60	ug/L			06/12/26 13:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/12/26 13:11	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/12/26 13:11	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/12/26 13:11	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/12/26 13:11	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-28A

Lab Sample ID: 410-286100-11

Date Collected: 06/01/26 12:50

Matrix: Water

Date Received: 06/01/26 17:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		80 - 120		06/12/26 13:11	1
Dibromofluoromethane (Surr)	96		80 - 120		06/12/26 13:11	1
4-Bromofluorobenzene (Surr)	94		80 - 120		06/12/26 13:11	1
Toluene-d8 (Surr)	96		80 - 120		06/12/26 13:11	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/02/26 09:41	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.32		0.20	0.10	mg/L			06/13/26 00:37	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	63		3.6	0.98	ng/L		06/12/26 07:45	06/13/26 03:06	1
Perfluoropentanoic acid (PFPeA)	160		1.8	0.54	ng/L		06/12/26 07:45	06/13/26 03:06	1
Perfluorohexanoic acid (PFHxA)	110		1.8	0.45	ng/L		06/12/26 07:45	06/13/26 03:06	1
Perfluoroheptanoic acid (PFHpA)	78		1.8	0.72	ng/L		06/12/26 07:45	06/13/26 03:06	1
Perfluorooctanoic acid (PFOA)	73		1.8	0.81	ng/L		06/12/26 07:45	06/13/26 03:06	1
Perfluorononanoic acid (PFNA)	13		1.8	0.45	ng/L		06/12/26 07:45	06/13/26 03:06	1
Perfluorodecanoic acid (PFDA)	1.8	I cn	1.8	0.45	ng/L		06/12/26 07:45	06/13/26 03:06	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.45	ng/L		06/12/26 07:45	06/13/26 03:06	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.45	ng/L		06/12/26 07:45	06/13/26 03:06	1
Perfluorotridecanoic acid (PFTrDA)	ND		1.8	0.45	ng/L		06/12/26 07:45	06/13/26 03:06	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.8	0.45	ng/L		06/12/26 07:45	06/13/26 03:06	1
Perfluorobutanesulfonic acid (PFBS)	2.2		1.8	0.45	ng/L		06/12/26 07:45	06/13/26 03:06	1
Perfluoropentanesulfonic acid (PFPeS)	0.99	J	1.8	0.45	ng/L		06/12/26 07:45	06/13/26 03:06	1
Perfluorohexanesulfonic acid (PFHxS)	2.8		1.8	0.72	ng/L		06/12/26 07:45	06/13/26 03:06	1
Perfluoroheptanesulfonic acid (PFHpS)	0.57	J	1.8	0.45	ng/L		06/12/26 07:45	06/13/26 03:06	1
Perfluorooctanesulfonic acid (PFOS)	24		1.8	1.2	ng/L		06/12/26 07:45	06/13/26 03:06	1
Perfluorononanesulfonic acid (PFNS)	ND		1.8	0.45	ng/L		06/12/26 07:45	06/13/26 03:06	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.45	ng/L		06/12/26 07:45	06/13/26 03:06	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.54	ng/L		06/12/26 07:45	06/13/26 03:06	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	2.3	J	3.6	0.90	ng/L		06/12/26 07:45	06/13/26 03:06	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	190		3.6	0.90	ng/L		06/12/26 07:45	06/13/26 03:06	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	7.4		3.6	0.90	ng/L		06/12/26 07:45	06/13/26 03:06	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.45	ng/L		06/12/26 07:45	06/13/26 03:06	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.8	0.45	ng/L		06/12/26 07:45	06/13/26 03:06	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.8	0.98	ng/L		06/12/26 07:45	06/13/26 03:06	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.8	0.45	ng/L		06/12/26 07:45	06/13/26 03:06	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-28A

Lab Sample ID: 410-286100-11

Date Collected: 06/01/26 12:50

Matrix: Water

Date Received: 06/01/26 17:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonami doacetic acid (NEtFOSAA)	14		1.8	0.45	ng/L		06/12/26 07:45	06/13/26 03:06	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		9.0	3.6	ng/L		06/12/26 07:45	06/13/26 03:06	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		9.0	3.6	ng/L		06/12/26 07:45	06/13/26 03:06	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.8	1.3	ng/L		06/12/26 07:45	06/13/26 03:06	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.8	0.45	ng/L		06/12/26 07:45	06/13/26 03:06	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.75 J		1.8	0.45	ng/L		06/12/26 07:45	06/13/26 03:06	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.8	0.45	ng/L		06/12/26 07:45	06/13/26 03:06	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.8	0.45	ng/L		06/12/26 07:45	06/13/26 03:06	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		1.8	0.45	ng/L		06/12/26 07:45	06/13/26 03:06	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.8	0.45	ng/L		06/12/26 07:45	06/13/26 03:06	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.8	0.45	ng/L		06/12/26 07:45	06/13/26 03:06	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.6	0.90	ng/L		06/12/26 07:45	06/13/26 03:06	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.4 J		9.0	2.5	ng/L		06/12/26 07:45	06/13/26 03:06	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		9.0	2.2	ng/L		06/12/26 07:45	06/13/26 03:06	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	108		5 - 130	06/12/26 07:45	06/13/26 03:06	1
13C5 PFPeA	108		40 - 130	06/12/26 07:45	06/13/26 03:06	1
13C5 PFHxA	105		40 - 130	06/12/26 07:45	06/13/26 03:06	1
13C4 PFHpA	98.5		40 - 130	06/12/26 07:45	06/13/26 03:06	1
13C8 PFOA	99.7		40 - 130	06/12/26 07:45	06/13/26 03:06	1
13C9 PFNA	90.3		40 - 130	06/12/26 07:45	06/13/26 03:06	1
13C6 PFDA	59.6		40 - 130	06/12/26 07:45	06/13/26 03:06	1
13C7 PFUnA	40.3		30 - 130	06/12/26 07:45	06/13/26 03:06	1
13C2 PFTeDA	30.8		10 - 130	06/12/26 07:45	06/13/26 03:06	1
13C3 PFBS	116		40 - 135	06/12/26 07:45	06/13/26 03:06	1
13C3 PFHxS	92.8		40 - 130	06/12/26 07:45	06/13/26 03:06	1
13C8 PFOS	47.9		40 - 130	06/12/26 07:45	06/13/26 03:06	1
13C8 FOSA	54.3		40 - 130	06/12/26 07:45	06/13/26 03:06	1
d3-NMeFOSAA	51.3		40 - 170	06/12/26 07:45	06/13/26 03:06	1
d5-NEtFOSAA	46.6		25 - 135	06/12/26 07:45	06/13/26 03:06	1
13C2 4:2 FTS	122	^c cn	40 - 200	06/12/26 07:45	06/13/26 03:06	1
13C2 6:2 FTS	84.2	^c cn	40 - 200	06/12/26 07:45	06/13/26 03:06	1
13C2 8:2 FTS	66.3		40 - 300	06/12/26 07:45	06/13/26 03:06	1
13C3 HFPO-DA	96.2		40 - 130	06/12/26 07:45	06/13/26 03:06	1
d7-N-MeFOSE-M	39.2		10 - 130	06/12/26 07:45	06/13/26 03:06	1
d9-N-EtFOSE-M	41.0		10 - 130	06/12/26 07:45	06/13/26 03:06	1
d5-NEtPFOSA	40.7		10 - 130	06/12/26 07:45	06/13/26 03:06	1
d3-NMePFOSA	43.3		10 - 130	06/12/26 07:45	06/13/26 03:06	1
13C2 PFDoA	31.0		10 - 130	06/12/26 07:45	06/13/26 03:06	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-28A

Lab Sample ID: 410-286100-11

Date Collected: 06/01/26 12:50

Matrix: Water

Date Received: 06/01/26 17:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-3:3 FTCA	137		20 - 150	06/12/26 07:45	06/13/26 03:06	1
13C3-5:3 FTCA	109		20 - 150	06/12/26 07:45	06/13/26 03:06	1
13C3-PFDoS	27.8		20 - 150	06/12/26 07:45	06/13/26 03:06	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND	cn	0.0021	0.00057	mg/L		06/09/26 05:45	06/10/26 15:53	1
Nickel	0.0013	cn	0.0010	0.00041	mg/L		06/09/26 05:45	06/10/26 15:53	1
Manganese	0.097	cn	0.0021	0.00098	mg/L		06/09/26 05:45	06/10/26 15:53	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: Duplicate 3

Lab Sample ID: 410-286100-12

Date Collected: 06/01/26 12:55

Matrix: Water

Date Received: 06/01/26 17:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/12/26 15:09	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/12/26 15:09	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/12/26 15:09	1
Styrene	ND		5.0	0.30	ug/L			06/12/26 15:09	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/12/26 15:09	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/12/26 15:09	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/12/26 15:09	1
4-Methyl-2-pentanone	ND	^c cn	10	0.50	ug/L			06/12/26 15:09	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/12/26 15:09	1
Toluene	ND		1.0	0.30	ug/L			06/12/26 15:09	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/12/26 15:09	1
Cyclohexane	ND		5.0	1.0	ug/L			06/12/26 15:09	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/12/26 15:09	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/12/26 15:09	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/12/26 15:09	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/12/26 15:09	1
cis-1,2-Dichloroethene	8.1		1.0	0.30	ug/L			06/12/26 15:09	1
trans-1,2-Dichloroethene	1.8	J	2.0	0.70	ug/L			06/12/26 15:09	1
Methyl tertiary butyl ether	1.5		1.0	0.20	ug/L			06/12/26 15:09	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/12/26 15:09	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/12/26 15:09	1
2-Hexanone	ND	^c cn	10	0.85	ug/L			06/12/26 15:09	1
Acetone	ND	^c cn	20	0.70	ug/L			06/12/26 15:09	1
Chloroform	ND		1.0	0.30	ug/L			06/12/26 15:09	1
Benzene	ND		1.0	0.30	ug/L			06/12/26 15:09	1
1,1,1-Trichloroethane	7.0		1.0	0.30	ug/L			06/12/26 15:09	1
Bromomethane	ND		1.0	0.30	ug/L			06/12/26 15:09	1
Chloromethane	ND		2.0	0.55	ug/L			06/12/26 15:09	1
Chloroethane	0.30	J	1.0	0.30	ug/L			06/12/26 15:09	1
Vinyl chloride	7.9		1.0	0.30	ug/L			06/12/26 15:09	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/12/26 15:09	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/12/26 15:09	1
Bromoform	ND		4.0	1.0	ug/L			06/12/26 15:09	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/12/26 15:09	1
1,1-Dichloroethane	19		1.0	0.30	ug/L			06/12/26 15:09	1
1,1-Dichloroethene	0.65	J	1.0	0.30	ug/L			06/12/26 15:09	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/12/26 15:09	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/12/26 15:09	1
Freon 113	ND		10	0.30	ug/L			06/12/26 15:09	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/12/26 15:09	1
2-Butanone	ND	^c cn	10	1.0	ug/L			06/12/26 15:09	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/12/26 15:09	1
Trichloroethene	15		1.0	0.30	ug/L			06/12/26 15:09	1
Methyl acetate	ND		5.0	0.60	ug/L			06/12/26 15:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/12/26 15:09	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/12/26 15:09	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/12/26 15:09	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/12/26 15:09	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: Duplicate 3

Lab Sample ID: 410-286100-12

Date Collected: 06/01/26 12:55

Matrix: Water

Date Received: 06/01/26 17:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		06/12/26 15:09	1
Dibromofluoromethane (Surr)	91		80 - 120		06/12/26 15:09	1
4-Bromofluorobenzene (Surr)	99		80 - 120		06/12/26 15:09	1
Toluene-d8 (Surr)	97		80 - 120		06/12/26 15:09	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/02/26 09:49	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.31		0.20	0.10	mg/L			06/13/26 01:04	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	60		3.3	0.92	ng/L		06/12/26 07:45	06/13/26 03:20	1
Perfluoropentanoic acid (PFPeA)	140		1.7	0.50	ng/L		06/12/26 07:45	06/13/26 03:20	1
Perfluorohexanoic acid (PFHxA)	96		1.7	0.42	ng/L		06/12/26 07:45	06/13/26 03:20	1
Perfluoroheptanoic acid (PFHpA)	58		1.7	0.67	ng/L		06/12/26 07:45	06/13/26 03:20	1
Perfluorooctanoic acid (PFOA)	59		1.7	0.75	ng/L		06/12/26 07:45	06/13/26 03:20	1
Perfluorononanoic acid (PFNA)	10		1.7	0.42	ng/L		06/12/26 07:45	06/13/26 03:20	1
Perfluorodecanoic acid (PFDA)	1.8	I cn	1.7	0.42	ng/L		06/12/26 07:45	06/13/26 03:20	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.42	ng/L		06/12/26 07:45	06/13/26 03:20	1
Perfluorododecanoic acid (PFDoA)	ND		1.7	0.42	ng/L		06/12/26 07:45	06/13/26 03:20	1
Perfluorotridecanoic acid (PFTTrDA)	ND		1.7	0.42	ng/L		06/12/26 07:45	06/13/26 03:20	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.7	0.42	ng/L		06/12/26 07:45	06/13/26 03:20	1
Perfluorobutanesulfonic acid (PFBS)	2.3		1.7	0.42	ng/L		06/12/26 07:45	06/13/26 03:20	1
Perfluoropentanesulfonic acid (PFPeS)	0.60	J	1.7	0.42	ng/L		06/12/26 07:45	06/13/26 03:20	1
Perfluorohexanesulfonic acid (PFHxS)	2.2		1.7	0.67	ng/L		06/12/26 07:45	06/13/26 03:20	1
Perfluoroheptanesulfonic acid (PFHpS)	0.44	J	1.7	0.42	ng/L		06/12/26 07:45	06/13/26 03:20	1
Perfluorooctanesulfonic acid (PFOS)	16		1.7	1.1	ng/L		06/12/26 07:45	06/13/26 03:20	1
Perfluorononanesulfonic acid (PFNS)	ND		1.7	0.42	ng/L		06/12/26 07:45	06/13/26 03:20	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.42	ng/L		06/12/26 07:45	06/13/26 03:20	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.7	0.50	ng/L		06/12/26 07:45	06/13/26 03:20	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	1.8	J	3.3	0.83	ng/L		06/12/26 07:45	06/13/26 03:20	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	120		3.3	0.83	ng/L		06/12/26 07:45	06/13/26 03:20	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	4.4		3.3	0.83	ng/L		06/12/26 07:45	06/13/26 03:20	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.7	0.42	ng/L		06/12/26 07:45	06/13/26 03:20	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.7	0.42	ng/L		06/12/26 07:45	06/13/26 03:20	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.7	0.92	ng/L		06/12/26 07:45	06/13/26 03:20	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.7	0.42	ng/L		06/12/26 07:45	06/13/26 03:20	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: Duplicate 3

Lab Sample ID: 410-286100-12

Date Collected: 06/01/26 12:55

Matrix: Water

Date Received: 06/01/26 17:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NETFOSAA)	7.4		1.7	0.42	ng/L		06/12/26 07:45	06/13/26 03:20	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.3	3.3	ng/L		06/12/26 07:45	06/13/26 03:20	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.3	3.3	ng/L		06/12/26 07:45	06/13/26 03:20	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.7	1.2	ng/L		06/12/26 07:45	06/13/26 03:20	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.7	0.42	ng/L		06/12/26 07:45	06/13/26 03:20	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.95 J		1.7	0.42	ng/L		06/12/26 07:45	06/13/26 03:20	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.7	0.42	ng/L		06/12/26 07:45	06/13/26 03:20	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.7	0.42	ng/L		06/12/26 07:45	06/13/26 03:20	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		1.7	0.42	ng/L		06/12/26 07:45	06/13/26 03:20	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.7	0.42	ng/L		06/12/26 07:45	06/13/26 03:20	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.7	0.42	ng/L		06/12/26 07:45	06/13/26 03:20	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.3	0.83	ng/L		06/12/26 07:45	06/13/26 03:20	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	4.5 J		8.3	2.3	ng/L		06/12/26 07:45	06/13/26 03:20	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.3	2.1	ng/L		06/12/26 07:45	06/13/26 03:20	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	104		5 - 130	06/12/26 07:45	06/13/26 03:20	1
13C5 PFPeA	98.1		40 - 130	06/12/26 07:45	06/13/26 03:20	1
13C5 PFHxA	96.5		40 - 130	06/12/26 07:45	06/13/26 03:20	1
13C4 PFHpA	97.6		40 - 130	06/12/26 07:45	06/13/26 03:20	1
13C8 PFOA	94.1		40 - 130	06/12/26 07:45	06/13/26 03:20	1
13C9 PFNA	88.3		40 - 130	06/12/26 07:45	06/13/26 03:20	1
13C6 PFDA	61.6		40 - 130	06/12/26 07:45	06/13/26 03:20	1
13C7 PFUnA	49.1		30 - 130	06/12/26 07:45	06/13/26 03:20	1
13C2 PFTeDA	28.2		10 - 130	06/12/26 07:45	06/13/26 03:20	1
13C3 PFBS	111		40 - 135	06/12/26 07:45	06/13/26 03:20	1
13C3 PFHxS	84.5		40 - 130	06/12/26 07:45	06/13/26 03:20	1
13C8 PFOS	51.2		40 - 130	06/12/26 07:45	06/13/26 03:20	1
13C8 FOSA	65.2		40 - 130	06/12/26 07:45	06/13/26 03:20	1
d3-NMeFOSAA	52.8		40 - 170	06/12/26 07:45	06/13/26 03:20	1
d5-NEtFOSAA	46.8		25 - 135	06/12/26 07:45	06/13/26 03:20	1
13C2 4:2 FTS	110	^c cn	40 - 200	06/12/26 07:45	06/13/26 03:20	1
13C2 6:2 FTS	76.3	^c cn	40 - 200	06/12/26 07:45	06/13/26 03:20	1
13C2 8:2 FTS	65.4		40 - 300	06/12/26 07:45	06/13/26 03:20	1
13C3 HFPO-DA	88.9		40 - 130	06/12/26 07:45	06/13/26 03:20	1
d7-N-MeFOSE-M	45.4		10 - 130	06/12/26 07:45	06/13/26 03:20	1
d9-N-EtFOSE-M	41.3		10 - 130	06/12/26 07:45	06/13/26 03:20	1
d5-NEtPFOSA	45.5		10 - 130	06/12/26 07:45	06/13/26 03:20	1
d3-NMePFOSA	49.4		10 - 130	06/12/26 07:45	06/13/26 03:20	1
13C2 PFDoA	35.9		10 - 130	06/12/26 07:45	06/13/26 03:20	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: Duplicate 3

Lab Sample ID: 410-286100-12

Date Collected: 06/01/26 12:55

Matrix: Water

Date Received: 06/01/26 17:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-3:3 FTCA	125		20 - 150	06/12/26 07:45	06/13/26 03:20	1
13C3-5:3 FTCA	97.4		20 - 150	06/12/26 07:45	06/13/26 03:20	1
13C3-PFDoS	22.8		20 - 150	06/12/26 07:45	06/13/26 03:20	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND	cn	0.0021	0.00057	mg/L		06/09/26 05:45	06/10/26 16:07	1
Nickel	0.0016	cn	0.0010	0.00041	mg/L		06/09/26 05:45	06/10/26 16:07	1
Manganese	0.10	cn	0.0021	0.00098	mg/L		06/09/26 05:45	06/10/26 16:07	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-28B

Lab Sample ID: 410-286100-13

Date Collected: 06/01/26 13:10

Matrix: Water

Date Received: 06/01/26 17:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/12/26 15:28	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/12/26 15:28	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/12/26 15:28	1
Styrene	ND		5.0	0.30	ug/L			06/12/26 15:28	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/12/26 15:28	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/12/26 15:28	1
1,2-Dichloroethane	0.69	J	1.0	0.30	ug/L			06/12/26 15:28	1
4-Methyl-2-pentanone	ND	^c cn	10	0.50	ug/L			06/12/26 15:28	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/12/26 15:28	1
Toluene	0.62	J	1.0	0.30	ug/L			06/12/26 15:28	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/12/26 15:28	1
Cyclohexane	ND		5.0	1.0	ug/L			06/12/26 15:28	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/12/26 15:28	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/12/26 15:28	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/12/26 15:28	1
Tetrachloroethene	9.9		1.0	0.30	ug/L			06/12/26 15:28	1
trans-1,2-Dichloroethene	26		2.0	0.70	ug/L			06/12/26 15:28	1
Methyl tertiary butyl ether	5.3		1.0	0.20	ug/L			06/12/26 15:28	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/12/26 15:28	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/12/26 15:28	1
2-Hexanone	ND	^c cn	10	0.85	ug/L			06/12/26 15:28	1
Acetone	ND	^c cn	20	0.70	ug/L			06/12/26 15:28	1
Chloroform	ND		1.0	0.30	ug/L			06/12/26 15:28	1
Benzene	0.59	J	1.0	0.30	ug/L			06/12/26 15:28	1
Bromomethane	ND		1.0	0.30	ug/L			06/12/26 15:28	1
Chloromethane	ND		2.0	0.55	ug/L			06/12/26 15:28	1
Chloroethane	110		1.0	0.30	ug/L			06/12/26 15:28	1
Vinyl chloride	59		1.0	0.30	ug/L			06/12/26 15:28	1
Methylene Chloride	0.85	J	1.0	0.30	ug/L			06/12/26 15:28	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/12/26 15:28	1
Bromoform	ND		4.0	1.0	ug/L			06/12/26 15:28	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/12/26 15:28	1
1,1-Dichloroethane	72		1.0	0.30	ug/L			06/12/26 15:28	1
1,1-Dichloroethene	57		1.0	0.30	ug/L			06/12/26 15:28	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/12/26 15:28	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/12/26 15:28	1
Freon 113	21		10	0.30	ug/L			06/12/26 15:28	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/12/26 15:28	1
2-Butanone	ND	^c cn	10	1.0	ug/L			06/12/26 15:28	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/12/26 15:28	1
Methyl acetate	ND		5.0	0.60	ug/L			06/12/26 15:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/12/26 15:28	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/12/26 15:28	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/12/26 15:28	1
Isopropylbenzene	0.36	J	5.0	0.30	ug/L			06/12/26 15:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		80 - 120		06/12/26 15:28	1
Dibromofluoromethane (Surr)	96		80 - 120		06/12/26 15:28	1
4-Bromofluorobenzene (Surr)	95		80 - 120		06/12/26 15:28	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-28B

Lab Sample ID: 410-286100-13

Date Collected: 06/01/26 13:10

Matrix: Water

Date Received: 06/01/26 17:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120		06/12/26 15:28	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	1300		20	6.0	ug/L			06/14/26 17:21	20
Trichloroethene	2100		20	6.0	ug/L			06/14/26 17:21	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		80 - 120		06/14/26 17:21	20
Dibromofluoromethane (Surr)	116		80 - 120		06/14/26 17:21	20
4-Bromofluorobenzene (Surr)	90		80 - 120		06/14/26 17:21	20
Toluene-d8 (Surr)	93		80 - 120		06/14/26 17:21	20

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - RADL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1200	cn	20	6.0	ug/L			06/15/26 15:10	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100	cn	80 - 120		06/15/26 15:10	20
Dibromofluoromethane (Surr)	100	cn	80 - 120		06/15/26 15:10	20
4-Bromofluorobenzene (Surr)	93	cn	80 - 120		06/15/26 15:10	20
Toluene-d8 (Surr)	100	cn	80 - 120		06/15/26 15:10	20

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/02/26 10:11	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20	0.10	mg/L			06/13/26 03:18	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	66		3.2	0.89	ng/L		06/12/26 07:45	06/13/26 03:33	1
Perfluoropentanoic acid (PFPeA)	180		1.6	0.48	ng/L		06/12/26 07:45	06/13/26 03:33	1
Perfluorohexanoic acid (PFHxA)	140		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 03:33	1
Perfluoroheptanoic acid (PFHpA)	130		1.6	0.64	ng/L		06/12/26 07:45	06/13/26 03:33	1
Perfluorooctanoic acid (PFOA)	120		1.6	0.72	ng/L		06/12/26 07:45	06/13/26 03:33	1
Perfluorononanoic acid (PFNA)	39		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 03:33	1
Perfluorodecanoic acid (PFDA)	0.74	J	1.6	0.40	ng/L		06/12/26 07:45	06/13/26 03:33	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 03:33	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 03:33	1
Perfluorotridecanoic acid (PFTriDA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 03:33	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 03:33	1
Perfluorobutanesulfonic acid (PFBS)	0.65	J	1.6	0.40	ng/L		06/12/26 07:45	06/13/26 03:33	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 03:33	1
Perfluorohexanesulfonic acid (PFHxS)	0.89	J	1.6	0.64	ng/L		06/12/26 07:45	06/13/26 03:33	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 03:33	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-28B

Lab Sample ID: 410-286100-13

Date Collected: 06/01/26 13:10

Matrix: Water

Date Received: 06/01/26 17:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	3.0		1.6	1.0	ng/L		06/12/26 07:45	06/13/26 03:33	1
Perfluorononanesulfonic acid (PFNS)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 03:33	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 03:33	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.6	0.48	ng/L		06/12/26 07:45	06/13/26 03:33	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	3.1 J		3.2	0.80	ng/L		06/12/26 07:45	06/13/26 03:33	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	320		3.2	0.80	ng/L		06/12/26 07:45	06/13/26 03:33	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	44		3.2	0.80	ng/L		06/12/26 07:45	06/13/26 03:33	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 03:33	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 03:33	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.6	0.89	ng/L		06/12/26 07:45	06/13/26 03:33	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 03:33	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 03:33	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.0	3.2	ng/L		06/12/26 07:45	06/13/26 03:33	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.0	3.2	ng/L		06/12/26 07:45	06/13/26 03:33	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.6	1.1	ng/L		06/12/26 07:45	06/13/26 03:33	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 03:33	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 03:33	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 03:33	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 03:33	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 03:33	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 03:33	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 03:33	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.2	0.80	ng/L		06/12/26 07:45	06/13/26 03:33	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.2 J		8.0	2.3	ng/L		06/12/26 07:45	06/13/26 03:33	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.0	2.0	ng/L		06/12/26 07:45	06/13/26 03:33	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	93.1		5 - 130				06/12/26 07:45	06/13/26 03:33	1
13C5 PFPeA	92.3		40 - 130				06/12/26 07:45	06/13/26 03:33	1
13C5 PFHxA	88.5		40 - 130				06/12/26 07:45	06/13/26 03:33	1
13C4 PFHpA	90.0		40 - 130				06/12/26 07:45	06/13/26 03:33	1
13C8 PFOA	93.7		40 - 130				06/12/26 07:45	06/13/26 03:33	1
13C9 PFNA	91.2		40 - 130				06/12/26 07:45	06/13/26 03:33	1
13C6 PFDA	77.1		40 - 130				06/12/26 07:45	06/13/26 03:33	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-28B

Lab Sample ID: 410-286100-13

Date Collected: 06/01/26 13:10

Matrix: Water

Date Received: 06/01/26 17:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C7 PFUnA	77.7		30 - 130	06/12/26 07:45	06/13/26 03:33	1
13C2 PFTeDA	67.3		10 - 130	06/12/26 07:45	06/13/26 03:33	1
13C3 PFBS	97.3		40 - 135	06/12/26 07:45	06/13/26 03:33	1
13C3 PFHxS	86.8		40 - 130	06/12/26 07:45	06/13/26 03:33	1
13C8 PFOS	88.4		40 - 130	06/12/26 07:45	06/13/26 03:33	1
13C8 FOSA	78.1		40 - 130	06/12/26 07:45	06/13/26 03:33	1
d3-NMeFOSAA	68.9		40 - 170	06/12/26 07:45	06/13/26 03:33	1
d5-NEtFOSAA	65.6		25 - 135	06/12/26 07:45	06/13/26 03:33	1
13C2 4:2 FTS	77.1	^c cn	40 - 200	06/12/26 07:45	06/13/26 03:33	1
13C2 6:2 FTS	67.6	^c cn	40 - 200	06/12/26 07:45	06/13/26 03:33	1
13C2 8:2 FTS	84.7		40 - 300	06/12/26 07:45	06/13/26 03:33	1
13C3 HFPO-DA	81.8		40 - 130	06/12/26 07:45	06/13/26 03:33	1
d7-N-MeFOSE-M	60.4		10 - 130	06/12/26 07:45	06/13/26 03:33	1
d9-N-EtFOSE-M	54.9		10 - 130	06/12/26 07:45	06/13/26 03:33	1
d5-NEtPFOSA	66.6		10 - 130	06/12/26 07:45	06/13/26 03:33	1
d3-NMePFOSA	66.6		10 - 130	06/12/26 07:45	06/13/26 03:33	1
13C2 PFDoA	75.5		10 - 130	06/12/26 07:45	06/13/26 03:33	1
13C3-3:3 FTCA	112		20 - 150	06/12/26 07:45	06/13/26 03:33	1
13C3-5:3 FTCA	89.4		20 - 150	06/12/26 07:45	06/13/26 03:33	1
13C3-PFDoS	65.7		20 - 150	06/12/26 07:45	06/13/26 03:33	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND	cn	0.0021	0.00057	mg/L		06/09/26 05:45	06/10/26 16:16	1
Nickel	0.0032	cn	0.0010	0.00041	mg/L		06/09/26 05:45	06/10/26 16:16	1
Manganese	1.3	cn	0.0021	0.00098	mg/L		06/09/26 05:45	06/10/26 16:16	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-28C

Lab Sample ID: 410-286100-14

Date Collected: 06/01/26 13:25

Matrix: Water

Date Received: 06/01/26 17:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		5.0	2.5	ug/L			06/12/26 15:48	5
trans-1,3-Dichloropropene	ND		5.0	1.0	ug/L			06/12/26 15:48	5
Ethylbenzene	ND		5.0	2.0	ug/L			06/12/26 15:48	5
Styrene	ND		25	1.5	ug/L			06/12/26 15:48	5
1,4-Dichlorobenzene	ND		25	1.5	ug/L			06/12/26 15:48	5
1,2-Dibromoethane	ND		5.0	1.0	ug/L			06/12/26 15:48	5
1,2-Dichloroethane	ND		5.0	1.5	ug/L			06/12/26 15:48	5
4-Methyl-2-pentanone	ND	^c cn	50	2.5	ug/L			06/12/26 15:48	5
Methylcyclohexane	ND		25	2.5	ug/L			06/12/26 15:48	5
Toluene	2.5	J	5.0	1.5	ug/L			06/12/26 15:48	5
Chlorobenzene	ND		5.0	1.5	ug/L			06/12/26 15:48	5
Cyclohexane	ND		25	5.0	ug/L			06/12/26 15:48	5
1,2,4-Trichlorobenzene	ND		25	1.5	ug/L			06/12/26 15:48	5
Dibromochloromethane	ND		5.0	1.0	ug/L			06/12/26 15:48	5
Xylenes, Total	ND		5.0	2.0	ug/L			06/12/26 15:48	5
Tetrachloroethene	ND		5.0	1.5	ug/L			06/12/26 15:48	5
trans-1,2-Dichloroethene	76		10	3.5	ug/L			06/12/26 15:48	5
Methyl tertiary butyl ether	110		5.0	1.0	ug/L			06/12/26 15:48	5
1,3-Dichlorobenzene	ND		25	3.4	ug/L			06/12/26 15:48	5
Carbon tetrachloride	ND		5.0	1.5	ug/L			06/12/26 15:48	5
2-Hexanone	ND	^c cn	50	4.3	ug/L			06/12/26 15:48	5
Acetone	ND	^c cn	100	3.5	ug/L			06/12/26 15:48	5
Chloroform	ND		5.0	1.5	ug/L			06/12/26 15:48	5
Benzene	10		5.0	1.5	ug/L			06/12/26 15:48	5
1,1,1-Trichloroethane	24		5.0	1.5	ug/L			06/12/26 15:48	5
Bromomethane	ND		5.0	1.5	ug/L			06/12/26 15:48	5
Chloromethane	ND		10	2.8	ug/L			06/12/26 15:48	5
Chloroethane	5.8		5.0	1.5	ug/L			06/12/26 15:48	5
Vinyl chloride	380		5.0	1.5	ug/L			06/12/26 15:48	5
Methylene Chloride	ND		5.0	1.5	ug/L			06/12/26 15:48	5
Carbon disulfide	ND		25	1.5	ug/L			06/12/26 15:48	5
Bromoform	ND		20	5.0	ug/L			06/12/26 15:48	5
Bromodichloromethane	ND		5.0	1.0	ug/L			06/12/26 15:48	5
1,1-Dichloroethane	1300		5.0	1.5	ug/L			06/12/26 15:48	5
1,1-Dichloroethene	320		5.0	1.5	ug/L			06/12/26 15:48	5
Trichlorofluoromethane	ND		5.0	1.5	ug/L			06/12/26 15:48	5
Dichlorodifluoromethane	ND		5.0	1.5	ug/L			06/12/26 15:48	5
Freon 113	ND		50	1.5	ug/L			06/12/26 15:48	5
1,2-Dichloropropane	ND		5.0	1.5	ug/L			06/12/26 15:48	5
2-Butanone	ND	^c cn	50	5.0	ug/L			06/12/26 15:48	5
1,1,2-Trichloroethane	ND		5.0	1.5	ug/L			06/12/26 15:48	5
Trichloroethene	790		5.0	1.5	ug/L			06/12/26 15:48	5
Methyl acetate	ND		25	3.0	ug/L			06/12/26 15:48	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/L			06/12/26 15:48	5
1,2-Dichlorobenzene	ND		25	1.0	ug/L			06/12/26 15:48	5
1,2-Dibromo-3-Chloropropane	ND		25	1.5	ug/L			06/12/26 15:48	5
Isopropylbenzene	ND		25	1.5	ug/L			06/12/26 15:48	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		80 - 120					06/12/26 15:48	5

Eurolins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-28C

Lab Sample ID: 410-286100-14

Date Collected: 06/01/26 13:25

Matrix: Water

Date Received: 06/01/26 17:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	95		80 - 120		06/12/26 15:48	5
4-Bromofluorobenzene (Surr)	96		80 - 120		06/12/26 15:48	5
Toluene-d8 (Surr)	98		80 - 120		06/12/26 15:48	5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	9800		100	30	ug/L			06/14/26 17:41	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		06/14/26 17:41	100
Dibromofluoromethane (Surr)	116		80 - 120		06/14/26 17:41	100
4-Bromofluorobenzene (Surr)	92		80 - 120		06/14/26 17:41	100
Toluene-d8 (Surr)	90		80 - 120		06/14/26 17:41	100

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/02/26 10:19	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.53		0.20	0.10	mg/L			06/13/26 02:24	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	120		3.5	0.96	ng/L		06/12/26 07:45	06/12/26 22:29	1
Perfluoropentanoic acid (PFPeA)	370		1.7	0.52	ng/L		06/12/26 07:45	06/12/26 22:29	1
Perfluorohexanoic acid (PFHxA)	240		1.7	0.44	ng/L		06/12/26 07:45	06/12/26 22:29	1
Perfluoroheptanoic acid (PFHpA)	120		1.7	0.70	ng/L		06/12/26 07:45	06/12/26 22:29	1
Perfluorooctanoic acid (PFOA)	84		1.7	0.79	ng/L		06/12/26 07:45	06/12/26 22:29	1
Perfluorononanoic acid (PFNA)	18		1.7	0.44	ng/L		06/12/26 07:45	06/12/26 22:29	1
Perfluorodecanoic acid (PFDA)	ND		1.7	0.44	ng/L		06/12/26 07:45	06/12/26 22:29	1
Perfluoroundecanoic acid (PFUnA)	1.0 J		1.7	0.44	ng/L		06/12/26 07:45	06/12/26 22:29	1
Perfluorododecanoic acid (PFDoA)	ND		1.7	0.44	ng/L		06/12/26 07:45	06/12/26 22:29	1
Perfluorotridecanoic acid (PFTrDA)	ND		1.7	0.44	ng/L		06/12/26 07:45	06/12/26 22:29	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.7	0.44	ng/L		06/12/26 07:45	06/12/26 22:29	1
Perfluorobutanesulfonic acid (PFBS)	0.46 J		1.7	0.44	ng/L		06/12/26 07:45	06/12/26 22:29	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.7	0.44	ng/L		06/12/26 07:45	06/12/26 22:29	1
Perfluorohexanesulfonic acid (PFHxS)	1.1 J		1.7	0.70	ng/L		06/12/26 07:45	06/12/26 22:29	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.7	0.44	ng/L		06/12/26 07:45	06/12/26 22:29	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.7	1.1	ng/L		06/12/26 07:45	06/12/26 22:29	1
Perfluorononanesulfonic acid (PFNS)	ND		1.7	0.44	ng/L		06/12/26 07:45	06/12/26 22:29	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.44	ng/L		06/12/26 07:45	06/12/26 22:29	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.7	0.52	ng/L		06/12/26 07:45	06/12/26 22:29	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	19		3.5	0.87	ng/L		06/12/26 07:45	06/12/26 22:29	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-28C

Lab Sample ID: 410-286100-14

Date Collected: 06/01/26 13:25

Matrix: Water

Date Received: 06/01/26 17:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	520		3.5	0.87	ng/L		06/12/26 07:45	06/12/26 22:29	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	3.6		3.5	0.87	ng/L		06/12/26 07:45	06/12/26 22:29	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.7	0.44	ng/L		06/12/26 07:45	06/12/26 22:29	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.7	0.44	ng/L		06/12/26 07:45	06/12/26 22:29	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.7	0.96	ng/L		06/12/26 07:45	06/12/26 22:29	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.7	0.44	ng/L		06/12/26 07:45	06/12/26 22:29	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.7	0.44	ng/L		06/12/26 07:45	06/12/26 22:29	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.7	3.5	ng/L		06/12/26 07:45	06/12/26 22:29	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.7	3.5	ng/L		06/12/26 07:45	06/12/26 22:29	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.7	1.2	ng/L		06/12/26 07:45	06/12/26 22:29	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.7	0.44	ng/L		06/12/26 07:45	06/12/26 22:29	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.7	0.44	ng/L		06/12/26 07:45	06/12/26 22:29	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.7	0.44	ng/L		06/12/26 07:45	06/12/26 22:29	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.7	0.44	ng/L		06/12/26 07:45	06/12/26 22:29	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.7	0.44	ng/L		06/12/26 07:45	06/12/26 22:29	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.7	0.44	ng/L		06/12/26 07:45	06/12/26 22:29	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.7	0.44	ng/L		06/12/26 07:45	06/12/26 22:29	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	2.1 J		3.5	0.87	ng/L		06/12/26 07:45	06/12/26 22:29	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	7.9 J		8.7	2.4	ng/L		06/12/26 07:45	06/12/26 22:29	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.7	2.2	ng/L		06/12/26 07:45	06/12/26 22:29	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	95.9		5 - 130	06/12/26 07:45	06/12/26 22:29	1
13C5 PFPeA	96.6		40 - 130	06/12/26 07:45	06/12/26 22:29	1
13C5 PFHxA	99.0		40 - 130	06/12/26 07:45	06/12/26 22:29	1
13C4 PFHpA	101		40 - 130	06/12/26 07:45	06/12/26 22:29	1
13C8 PFOA	99.2		40 - 130	06/12/26 07:45	06/12/26 22:29	1
13C9 PFNA	96.4		40 - 130	06/12/26 07:45	06/12/26 22:29	1
13C6 PFDA	87.2		40 - 130	06/12/26 07:45	06/12/26 22:29	1
13C7 PFUnA	92.6		30 - 130	06/12/26 07:45	06/12/26 22:29	1
13C2 PFTeDA	76.9		10 - 130	06/12/26 07:45	06/12/26 22:29	1
13C3 PFBS	103		40 - 135	06/12/26 07:45	06/12/26 22:29	1
13C3 PFHxS	96.8		40 - 130	06/12/26 07:45	06/12/26 22:29	1
13C8 PFOS	98.1		40 - 130	06/12/26 07:45	06/12/26 22:29	1
13C8 FOSA	88.7		40 - 130	06/12/26 07:45	06/12/26 22:29	1
d3-NMeFOSAA	87.3		40 - 170	06/12/26 07:45	06/12/26 22:29	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-28C

Lab Sample ID: 410-286100-14

Date Collected: 06/01/26 13:25

Matrix: Water

Date Received: 06/01/26 17:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	78.5		25 - 135	06/12/26 07:45	06/12/26 22:29	1
13C2 4:2 FTS	104	^c cn	40 - 200	06/12/26 07:45	06/12/26 22:29	1
13C2 6:2 FTS	83.6	^c cn	40 - 200	06/12/26 07:45	06/12/26 22:29	1
13C2 8:2 FTS	99.1		40 - 300	06/12/26 07:45	06/12/26 22:29	1
13C3 HFPO-DA	93.9		40 - 130	06/12/26 07:45	06/12/26 22:29	1
d7-N-MeFOSE-M	80.4		10 - 130	06/12/26 07:45	06/12/26 22:29	1
d9-N-EtFOSE-M	72.8		10 - 130	06/12/26 07:45	06/12/26 22:29	1
d5-NEtPFOSA	72.9		10 - 130	06/12/26 07:45	06/12/26 22:29	1
d3-NMePFOSA	75.1		10 - 130	06/12/26 07:45	06/12/26 22:29	1
13C2 PFDoA	92.5		10 - 130	06/12/26 07:45	06/12/26 22:29	1
13C3-3:3 FTCA	129		20 - 150	06/12/26 07:45	06/12/26 22:29	1
13C3-5:3 FTCA	109		20 - 150	06/12/26 07:45	06/12/26 22:29	1
13C3-PFDoS	71.1		20 - 150	06/12/26 07:45	06/12/26 22:29	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.0021	cn	0.0021	0.00057	mg/L		06/09/26 05:45	06/10/26 16:28	1
Nickel	0.0013	cn	0.0010	0.00041	mg/L		06/09/26 05:45	06/10/26 16:28	1
Manganese	0.021	cn	0.0021	0.00098	mg/L		06/09/26 05:45	06/10/26 16:28	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-52

Lab Sample ID: 410-286100-15

Date Collected: 06/01/26 14:00

Matrix: Water

Date Received: 06/01/26 17:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/12/26 16:07	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/12/26 16:07	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/12/26 16:07	1
Styrene	ND		5.0	0.30	ug/L			06/12/26 16:07	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/12/26 16:07	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/12/26 16:07	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/12/26 16:07	1
4-Methyl-2-pentanone	ND	^c cn	10	0.50	ug/L			06/12/26 16:07	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/12/26 16:07	1
Toluene	ND		1.0	0.30	ug/L			06/12/26 16:07	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/12/26 16:07	1
Cyclohexane	ND		5.0	1.0	ug/L			06/12/26 16:07	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/12/26 16:07	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/12/26 16:07	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/12/26 16:07	1
Tetrachloroethene	6.3		1.0	0.30	ug/L			06/12/26 16:07	1
cis-1,2-Dichloroethene	15		1.0	0.30	ug/L			06/12/26 16:07	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/12/26 16:07	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/12/26 16:07	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/12/26 16:07	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/12/26 16:07	1
2-Hexanone	ND	^c cn	10	0.85	ug/L			06/12/26 16:07	1
Acetone	ND	^c cn	20	0.70	ug/L			06/12/26 16:07	1
Chloroform	ND		1.0	0.30	ug/L			06/12/26 16:07	1
Benzene	ND		1.0	0.30	ug/L			06/12/26 16:07	1
1,1,1-Trichloroethane	5.0		1.0	0.30	ug/L			06/12/26 16:07	1
Bromomethane	ND		1.0	0.30	ug/L			06/12/26 16:07	1
Chloromethane	ND		2.0	0.55	ug/L			06/12/26 16:07	1
Chloroethane	ND		1.0	0.30	ug/L			06/12/26 16:07	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/12/26 16:07	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/12/26 16:07	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/12/26 16:07	1
Bromoform	ND		4.0	1.0	ug/L			06/12/26 16:07	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/12/26 16:07	1
1,1-Dichloroethane	0.94 J		1.0	0.30	ug/L			06/12/26 16:07	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/12/26 16:07	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/12/26 16:07	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/12/26 16:07	1
Freon 113	ND		10	0.30	ug/L			06/12/26 16:07	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/12/26 16:07	1
2-Butanone	ND	^c cn	10	1.0	ug/L			06/12/26 16:07	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/12/26 16:07	1
Trichloroethene	170		1.0	0.30	ug/L			06/12/26 16:07	1
Methyl acetate	ND		5.0	0.60	ug/L			06/12/26 16:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/12/26 16:07	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/12/26 16:07	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/12/26 16:07	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/12/26 16:07	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-52

Lab Sample ID: 410-286100-15

Date Collected: 06/01/26 14:00

Matrix: Water

Date Received: 06/01/26 17:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		06/12/26 16:07	1
Dibromofluoromethane (Surr)	98		80 - 120		06/12/26 16:07	1
4-Bromofluorobenzene (Surr)	97		80 - 120		06/12/26 16:07	1
Toluene-d8 (Surr)	98		80 - 120		06/12/26 16:07	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.012		0.010	0.0050	mg/L			06/02/26 10:42	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	5.1		2.0	1.0	mg/L			06/13/26 03:04	10

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	39		3.3	0.90	ng/L		06/12/26 07:45	06/12/26 22:42	1
Perfluoropentanoic acid (PFPeA)	130		1.6	0.49	ng/L		06/12/26 07:45	06/12/26 22:42	1
Perfluorohexanoic acid (PFHxA)	90		1.6	0.41	ng/L		06/12/26 07:45	06/12/26 22:42	1
Perfluoroheptanoic acid (PFHpA)	64		1.6	0.65	ng/L		06/12/26 07:45	06/12/26 22:42	1
Perfluorooctanoic acid (PFOA)	57		1.6	0.73	ng/L		06/12/26 07:45	06/12/26 22:42	1
Perfluorononanoic acid (PFNA)	12		1.6	0.41	ng/L		06/12/26 07:45	06/12/26 22:42	1
Perfluorodecanoic acid (PFDA)	ND		1.6	0.41	ng/L		06/12/26 07:45	06/12/26 22:42	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.41	ng/L		06/12/26 07:45	06/12/26 22:42	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.41	ng/L		06/12/26 07:45	06/12/26 22:42	1
Perfluorotridecanoic acid (PFTriDA)	ND		1.6	0.41	ng/L		06/12/26 07:45	06/12/26 22:42	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.6	0.41	ng/L		06/12/26 07:45	06/12/26 22:42	1
Perfluorobutanesulfonic acid (PFBS)	1.5 J		1.6	0.41	ng/L		06/12/26 07:45	06/12/26 22:42	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.6	0.41	ng/L		06/12/26 07:45	06/12/26 22:42	1
Perfluorohexanesulfonic acid (PFHxS)	2.3		1.6	0.65	ng/L		06/12/26 07:45	06/12/26 22:42	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.6	0.41	ng/L		06/12/26 07:45	06/12/26 22:42	1
Perfluorooctanesulfonic acid (PFOS)	12		1.6	1.1	ng/L		06/12/26 07:45	06/12/26 22:42	1
Perfluorononanesulfonic acid (PFNS)	ND		1.6	0.41	ng/L		06/12/26 07:45	06/12/26 22:42	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.41	ng/L		06/12/26 07:45	06/12/26 22:42	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.6	0.49	ng/L		06/12/26 07:45	06/12/26 22:42	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.3	0.81	ng/L		06/12/26 07:45	06/12/26 22:42	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	120		3.3	0.81	ng/L		06/12/26 07:45	06/12/26 22:42	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	7.7		3.3	0.81	ng/L		06/12/26 07:45	06/12/26 22:42	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.6	0.41	ng/L		06/12/26 07:45	06/12/26 22:42	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.6	0.41	ng/L		06/12/26 07:45	06/12/26 22:42	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.6	0.90	ng/L		06/12/26 07:45	06/12/26 22:42	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.6	0.41	ng/L		06/12/26 07:45	06/12/26 22:42	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-52

Lab Sample ID: 410-286100-15

Date Collected: 06/01/26 14:00

Matrix: Water

Date Received: 06/01/26 17:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.6	0.41	ng/L		06/12/26 07:45	06/12/26 22:42	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.1	3.3	ng/L		06/12/26 07:45	06/12/26 22:42	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.1	3.3	ng/L		06/12/26 07:45	06/12/26 22:42	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.6	1.1	ng/L		06/12/26 07:45	06/12/26 22:42	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.6	0.41	ng/L		06/12/26 07:45	06/12/26 22:42	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.6	0.41	ng/L		06/12/26 07:45	06/12/26 22:42	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.6	0.41	ng/L		06/12/26 07:45	06/12/26 22:42	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.6	0.41	ng/L		06/12/26 07:45	06/12/26 22:42	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.6	0.41	ng/L		06/12/26 07:45	06/12/26 22:42	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.6	0.41	ng/L		06/12/26 07:45	06/12/26 22:42	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.6	0.41	ng/L		06/12/26 07:45	06/12/26 22:42	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.3	0.81	ng/L		06/12/26 07:45	06/12/26 22:42	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		8.1	2.3	ng/L		06/12/26 07:45	06/12/26 22:42	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.1	2.0	ng/L		06/12/26 07:45	06/12/26 22:42	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	96.8		5 - 130	06/12/26 07:45	06/12/26 22:42	1
13C5 PFPeA	96.6		40 - 130	06/12/26 07:45	06/12/26 22:42	1
13C5 PFHxA	92.8		40 - 130	06/12/26 07:45	06/12/26 22:42	1
13C4 PFHpA	93.1		40 - 130	06/12/26 07:45	06/12/26 22:42	1
13C8 PFOA	94.9		40 - 130	06/12/26 07:45	06/12/26 22:42	1
13C9 PFNA	89.9		40 - 130	06/12/26 07:45	06/12/26 22:42	1
13C6 PFDA	77.5		40 - 130	06/12/26 07:45	06/12/26 22:42	1
13C7 PFUnA	76.2		30 - 130	06/12/26 07:45	06/12/26 22:42	1
13C2 PFTeDA	63.1		10 - 130	06/12/26 07:45	06/12/26 22:42	1
13C3 PFBS	102		40 - 135	06/12/26 07:45	06/12/26 22:42	1
13C3 PFHxS	94.4		40 - 130	06/12/26 07:45	06/12/26 22:42	1
13C8 PFOS	88.3		40 - 130	06/12/26 07:45	06/12/26 22:42	1
13C8 FOSA	78.6		40 - 130	06/12/26 07:45	06/12/26 22:42	1
d3-NMeFOSAA	69.0		40 - 170	06/12/26 07:45	06/12/26 22:42	1
d5-NEtFOSAA	65.5		25 - 135	06/12/26 07:45	06/12/26 22:42	1
13C2 4:2 FTS	78.4	^c cn	40 - 200	06/12/26 07:45	06/12/26 22:42	1
13C2 6:2 FTS	67.5	^c cn	40 - 200	06/12/26 07:45	06/12/26 22:42	1
13C2 8:2 FTS	84.5		40 - 300	06/12/26 07:45	06/12/26 22:42	1
13C3 HFPO-DA	88.9		40 - 130	06/12/26 07:45	06/12/26 22:42	1
d7-N-MeFOSE-M	63.9		10 - 130	06/12/26 07:45	06/12/26 22:42	1
d9-N-EtFOSE-M	58.5		10 - 130	06/12/26 07:45	06/12/26 22:42	1
d5-NEtPFOSA	65.9		10 - 130	06/12/26 07:45	06/12/26 22:42	1
d3-NMePFOSA	70.2		10 - 130	06/12/26 07:45	06/12/26 22:42	1
13C2 PFDoA	74.8		10 - 130	06/12/26 07:45	06/12/26 22:42	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-52

Lab Sample ID: 410-286100-15

Date Collected: 06/01/26 14:00

Matrix: Water

Date Received: 06/01/26 17:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-3:3 FTCA	121		20 - 150	06/12/26 07:45	06/12/26 22:42	1
13C3-5:3 FTCA	86.0		20 - 150	06/12/26 07:45	06/12/26 22:42	1
13C3-PFDoS	57.9		20 - 150	06/12/26 07:45	06/12/26 22:42	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.013	cn	0.0021	0.00057	mg/L		06/09/26 05:45	06/10/26 16:24	1
Nickel	0.00057	J cn	0.0010	0.00041	mg/L		06/09/26 05:45	06/10/26 16:24	1
Manganese	0.0031	cn	0.0021	0.00098	mg/L		06/09/26 05:45	06/10/26 16:24	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-51A

Lab Sample ID: 410-286100-16

Date Collected: 06/01/26 14:20

Matrix: Water

Date Received: 06/01/26 17:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/12/26 16:27	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/12/26 16:27	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/12/26 16:27	1
Styrene	ND		5.0	0.30	ug/L			06/12/26 16:27	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/12/26 16:27	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/12/26 16:27	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/12/26 16:27	1
4-Methyl-2-pentanone	ND	^c cn	10	0.50	ug/L			06/12/26 16:27	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/12/26 16:27	1
Toluene	ND		1.0	0.30	ug/L			06/12/26 16:27	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/12/26 16:27	1
Cyclohexane	ND		5.0	1.0	ug/L			06/12/26 16:27	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/12/26 16:27	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/12/26 16:27	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/12/26 16:27	1
Tetrachloroethene	5.4		1.0	0.30	ug/L			06/12/26 16:27	1
cis-1,2-Dichloroethene	37		1.0	0.30	ug/L			06/12/26 16:27	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/12/26 16:27	1
Methyl tertiary butyl ether	0.42	J	1.0	0.20	ug/L			06/12/26 16:27	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/12/26 16:27	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/12/26 16:27	1
2-Hexanone	ND	^c cn	10	0.85	ug/L			06/12/26 16:27	1
Acetone	ND	^c cn	20	0.70	ug/L			06/12/26 16:27	1
Chloroform	ND		1.0	0.30	ug/L			06/12/26 16:27	1
Benzene	ND		1.0	0.30	ug/L			06/12/26 16:27	1
1,1,1-Trichloroethane	8.3		1.0	0.30	ug/L			06/12/26 16:27	1
Bromomethane	ND		1.0	0.30	ug/L			06/12/26 16:27	1
Chloromethane	ND		2.0	0.55	ug/L			06/12/26 16:27	1
Chloroethane	ND		1.0	0.30	ug/L			06/12/26 16:27	1
Vinyl chloride	1.5		1.0	0.30	ug/L			06/12/26 16:27	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/12/26 16:27	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/12/26 16:27	1
Bromoform	ND		4.0	1.0	ug/L			06/12/26 16:27	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/12/26 16:27	1
1,1-Dichloroethane	2.2		1.0	0.30	ug/L			06/12/26 16:27	1
1,1-Dichloroethene	1.5		1.0	0.30	ug/L			06/12/26 16:27	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/12/26 16:27	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/12/26 16:27	1
Freon 113	0.59	J	10	0.30	ug/L			06/12/26 16:27	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/12/26 16:27	1
2-Butanone	ND	^c cn	10	1.0	ug/L			06/12/26 16:27	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/12/26 16:27	1
Methyl acetate	ND		5.0	0.60	ug/L			06/12/26 16:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/12/26 16:27	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/12/26 16:27	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/12/26 16:27	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/12/26 16:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		06/12/26 16:27	1

Eurolins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-51A

Lab Sample ID: 410-286100-16

Date Collected: 06/01/26 14:20

Matrix: Water

Date Received: 06/01/26 17:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	94		80 - 120		06/12/26 16:27	1
4-Bromofluorobenzene (Surr)	97		80 - 120		06/12/26 16:27	1
Toluene-d8 (Surr)	98		80 - 120		06/12/26 16:27	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	510	cn	10	3.0	ug/L			06/14/26 18:01	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102	cn	80 - 120		06/14/26 18:01	10
Dibromofluoromethane (Surr)	114	cn	80 - 120		06/14/26 18:01	10
4-Bromofluorobenzene (Surr)	91	cn	80 - 120		06/14/26 18:01	10
Toluene-d8 (Surr)	90	cn	80 - 120		06/14/26 18:01	10

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/02/26 10:49	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.54		0.20	0.10	mg/L			06/13/26 05:05	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	40		3.4	0.94	ng/L		06/12/26 07:45	06/12/26 22:56	1
Perfluoropentanoic acid (PFPeA)	120		1.7	0.51	ng/L		06/12/26 07:45	06/12/26 22:56	1
Perfluorohexanoic acid (PFHxA)	79		1.7	0.43	ng/L		06/12/26 07:45	06/12/26 22:56	1
Perfluoroheptanoic acid (PFHpA)	54		1.7	0.68	ng/L		06/12/26 07:45	06/12/26 22:56	1
Perfluorooctanoic acid (PFOA)	48		1.7	0.77	ng/L		06/12/26 07:45	06/12/26 22:56	1
Perfluorononanoic acid (PFNA)	10		1.7	0.43	ng/L		06/12/26 07:45	06/12/26 22:56	1
Perfluorodecanoic acid (PFDA)	ND		1.7	0.43	ng/L		06/12/26 07:45	06/12/26 22:56	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.43	ng/L		06/12/26 07:45	06/12/26 22:56	1
Perfluorododecanoic acid (PFDoA)	ND		1.7	0.43	ng/L		06/12/26 07:45	06/12/26 22:56	1
Perfluorotridecanoic acid (PFTTrDA)	ND		1.7	0.43	ng/L		06/12/26 07:45	06/12/26 22:56	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.7	0.43	ng/L		06/12/26 07:45	06/12/26 22:56	1
Perfluorobutanesulfonic acid (PFBS)	2.3		1.7	0.43	ng/L		06/12/26 07:45	06/12/26 22:56	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.7	0.43	ng/L		06/12/26 07:45	06/12/26 22:56	1
Perfluorohexanesulfonic acid (PFHxS)	1.3 J		1.7	0.68	ng/L		06/12/26 07:45	06/12/26 22:56	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.7	0.43	ng/L		06/12/26 07:45	06/12/26 22:56	1
Perfluorooctanesulfonic acid (PFOS)	7.8		1.7	1.1	ng/L		06/12/26 07:45	06/12/26 22:56	1
Perfluorononanesulfonic acid (PFNS)	ND		1.7	0.43	ng/L		06/12/26 07:45	06/12/26 22:56	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.43	ng/L		06/12/26 07:45	06/12/26 22:56	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.7	0.51	ng/L		06/12/26 07:45	06/12/26 22:56	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.4	0.85	ng/L		06/12/26 07:45	06/12/26 22:56	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-51A

Lab Sample ID: 410-286100-16

Date Collected: 06/01/26 14:20

Matrix: Water

Date Received: 06/01/26 17:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	62		3.4	0.85	ng/L		06/12/26 07:45	06/12/26 22:56	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	2.7	J	3.4	0.85	ng/L		06/12/26 07:45	06/12/26 22:56	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.7	0.43	ng/L		06/12/26 07:45	06/12/26 22:56	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.7	0.43	ng/L		06/12/26 07:45	06/12/26 22:56	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.7	0.94	ng/L		06/12/26 07:45	06/12/26 22:56	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.7	0.43	ng/L		06/12/26 07:45	06/12/26 22:56	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.7	0.43	ng/L		06/12/26 07:45	06/12/26 22:56	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.5	3.4	ng/L		06/12/26 07:45	06/12/26 22:56	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.5	3.4	ng/L		06/12/26 07:45	06/12/26 22:56	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.7	1.2	ng/L		06/12/26 07:45	06/12/26 22:56	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.7	0.43	ng/L		06/12/26 07:45	06/12/26 22:56	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.7	0.43	ng/L		06/12/26 07:45	06/12/26 22:56	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.7	0.43	ng/L		06/12/26 07:45	06/12/26 22:56	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.7	0.43	ng/L		06/12/26 07:45	06/12/26 22:56	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.7	0.43	ng/L		06/12/26 07:45	06/12/26 22:56	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.7	0.43	ng/L		06/12/26 07:45	06/12/26 22:56	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.7	0.43	ng/L		06/12/26 07:45	06/12/26 22:56	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.4	0.85	ng/L		06/12/26 07:45	06/12/26 22:56	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		8.5	2.4	ng/L		06/12/26 07:45	06/12/26 22:56	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.5	2.1	ng/L		06/12/26 07:45	06/12/26 22:56	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	96.3		5 - 130	06/12/26 07:45	06/12/26 22:56	1
13C5 PFPeA	96.2		40 - 130	06/12/26 07:45	06/12/26 22:56	1
13C5 PFHxA	89.0		40 - 130	06/12/26 07:45	06/12/26 22:56	1
13C4 PFHpA	89.0		40 - 130	06/12/26 07:45	06/12/26 22:56	1
13C8 PFOA	86.0		40 - 130	06/12/26 07:45	06/12/26 22:56	1
13C9 PFNA	88.3		40 - 130	06/12/26 07:45	06/12/26 22:56	1
13C6 PFDA	73.1		40 - 130	06/12/26 07:45	06/12/26 22:56	1
13C7 PFUnA	76.5		30 - 130	06/12/26 07:45	06/12/26 22:56	1
13C2 PFTeDA	64.9		10 - 130	06/12/26 07:45	06/12/26 22:56	1
13C3 PFBS	98.1		40 - 135	06/12/26 07:45	06/12/26 22:56	1
13C3 PFHxS	85.4		40 - 130	06/12/26 07:45	06/12/26 22:56	1
13C8 PFOS	82.6		40 - 130	06/12/26 07:45	06/12/26 22:56	1
13C8 FOSA	76.2		40 - 130	06/12/26 07:45	06/12/26 22:56	1
d3-NMeFOSAA	67.5		40 - 170	06/12/26 07:45	06/12/26 22:56	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-51A

Lab Sample ID: 410-286100-16

Date Collected: 06/01/26 14:20

Matrix: Water

Date Received: 06/01/26 17:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	67.9		25 - 135	06/12/26 07:45	06/12/26 22:56	1
13C2 4:2 FTS	85.2	^c cn	40 - 200	06/12/26 07:45	06/12/26 22:56	1
13C2 6:2 FTS	68.7	^c cn	40 - 200	06/12/26 07:45	06/12/26 22:56	1
13C2 8:2 FTS	78.6		40 - 300	06/12/26 07:45	06/12/26 22:56	1
13C3 HFPO-DA	83.5		40 - 130	06/12/26 07:45	06/12/26 22:56	1
d7-N-MeFOSE-M	65.5		10 - 130	06/12/26 07:45	06/12/26 22:56	1
d9-N-EtFOSE-M	62.1		10 - 130	06/12/26 07:45	06/12/26 22:56	1
d5-NEtPFOSA	65.6		10 - 130	06/12/26 07:45	06/12/26 22:56	1
d3-NMePFOSA	65.8		10 - 130	06/12/26 07:45	06/12/26 22:56	1
13C2 PFDoA	73.0		10 - 130	06/12/26 07:45	06/12/26 22:56	1
13C3-3:3 FTCA	115		20 - 150	06/12/26 07:45	06/12/26 22:56	1
13C3-5:3 FTCA	89.7		20 - 150	06/12/26 07:45	06/12/26 22:56	1
13C3-PFDoS	62.6		20 - 150	06/12/26 07:45	06/12/26 22:56	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND	cn	0.0021	0.00057	mg/L		06/09/26 05:45	06/10/26 16:22	1
Nickel	0.0011	cn	0.0010	0.00041	mg/L		06/09/26 05:45	06/10/26 16:22	1
Manganese	0.18	cn	0.0021	0.00098	mg/L		06/09/26 05:45	06/10/26 16:22	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-51B

Lab Sample ID: 410-286100-17

Date Collected: 06/01/26 14:35

Matrix: Water

Date Received: 06/01/26 17:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND	cn	1.0	0.50	ug/L			06/12/26 16:47	1
trans-1,3-Dichloropropene	ND	cn	1.0	0.20	ug/L			06/12/26 16:47	1
Ethylbenzene	ND	cn	1.0	0.40	ug/L			06/12/26 16:47	1
Styrene	ND	cn	5.0	0.30	ug/L			06/12/26 16:47	1
1,4-Dichlorobenzene	ND	cn	5.0	0.30	ug/L			06/12/26 16:47	1
1,2-Dibromoethane	ND	cn	1.0	0.20	ug/L			06/12/26 16:47	1
1,2-Dichloroethane	ND	cn	1.0	0.30	ug/L			06/12/26 16:47	1
4-Methyl-2-pentanone	ND	^c cn	10	0.50	ug/L			06/12/26 16:47	1
Methylcyclohexane	ND	cn	5.0	0.50	ug/L			06/12/26 16:47	1
Toluene	ND	cn	1.0	0.30	ug/L			06/12/26 16:47	1
Chlorobenzene	ND	cn	1.0	0.30	ug/L			06/12/26 16:47	1
Cyclohexane	ND	cn	5.0	1.0	ug/L			06/12/26 16:47	1
1,2,4-Trichlorobenzene	ND	cn	5.0	0.30	ug/L			06/12/26 16:47	1
Dibromochloromethane	ND	cn	1.0	0.20	ug/L			06/12/26 16:47	1
Xylenes, Total	ND	cn	1.0	0.40	ug/L			06/12/26 16:47	1
Tetrachloroethene	140	cn	1.0	0.30	ug/L			06/12/26 16:47	1
cis-1,2-Dichloroethene	62	cn	1.0	0.30	ug/L			06/12/26 16:47	1
trans-1,2-Dichloroethene	ND	cn	2.0	0.70	ug/L			06/12/26 16:47	1
Methyl tertiary butyl ether	ND	cn	1.0	0.20	ug/L			06/12/26 16:47	1
1,3-Dichlorobenzene	ND	cn	5.0	0.68	ug/L			06/12/26 16:47	1
Carbon tetrachloride	ND	cn	1.0	0.30	ug/L			06/12/26 16:47	1
2-Hexanone	ND	^c cn	10	0.85	ug/L			06/12/26 16:47	1
Acetone	ND	^c cn	20	0.70	ug/L			06/12/26 16:47	1
Chloroform	ND	cn	1.0	0.30	ug/L			06/12/26 16:47	1
Benzene	ND	cn	1.0	0.30	ug/L			06/12/26 16:47	1
1,1,1-Trichloroethane	0.56	J cn	1.0	0.30	ug/L			06/12/26 16:47	1
Bromomethane	ND	cn	1.0	0.30	ug/L			06/12/26 16:47	1
Chloromethane	ND	cn	2.0	0.55	ug/L			06/12/26 16:47	1
Chloroethane	ND	cn	1.0	0.30	ug/L			06/12/26 16:47	1
Vinyl chloride	ND	cn	1.0	0.30	ug/L			06/12/26 16:47	1
Methylene Chloride	ND	cn	1.0	0.30	ug/L			06/12/26 16:47	1
Carbon disulfide	ND	cn	5.0	0.30	ug/L			06/12/26 16:47	1
Bromoform	ND	cn	4.0	1.0	ug/L			06/12/26 16:47	1
Bromodichloromethane	ND	cn	1.0	0.20	ug/L			06/12/26 16:47	1
1,1-Dichloroethane	2.2	cn	1.0	0.30	ug/L			06/12/26 16:47	1
1,1-Dichloroethene	5.2	cn	1.0	0.30	ug/L			06/12/26 16:47	1
Trichlorofluoromethane	ND	cn	1.0	0.30	ug/L			06/12/26 16:47	1
Dichlorodifluoromethane	ND	cn	1.0	0.30	ug/L			06/12/26 16:47	1
Freon 113	ND	cn	10	0.30	ug/L			06/12/26 16:47	1
1,2-Dichloropropane	ND	cn	1.0	0.30	ug/L			06/12/26 16:47	1
2-Butanone	ND	^c cn	10	1.0	ug/L			06/12/26 16:47	1
1,1,2-Trichloroethane	ND	cn	1.0	0.30	ug/L			06/12/26 16:47	1
Methyl acetate	ND	cn	5.0	0.60	ug/L			06/12/26 16:47	1
1,1,2,2-Tetrachloroethane	ND	cn	1.0	0.30	ug/L			06/12/26 16:47	1
1,2-Dichlorobenzene	ND	cn	5.0	0.20	ug/L			06/12/26 16:47	1
1,2-Dibromo-3-Chloropropane	ND	cn	5.0	0.30	ug/L			06/12/26 16:47	1
Isopropylbenzene	ND	cn	5.0	0.30	ug/L			06/12/26 16:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	85	cn	80 - 120		06/12/26 16:47	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-51B

Lab Sample ID: 410-286100-17

Date Collected: 06/01/26 14:35

Matrix: Water

Date Received: 06/01/26 17:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	76	S1- cn	80 - 120		06/12/26 16:47	1
4-Bromofluorobenzene (Surr)	94	cn	80 - 120		06/12/26 16:47	1
Toluene-d8 (Surr)	103	cn	80 - 120		06/12/26 16:47	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	15000		200	60	ug/L			06/15/26 15:32	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		06/15/26 15:32	200
Dibromofluoromethane (Surr)	100		80 - 120		06/15/26 15:32	200
4-Bromofluorobenzene (Surr)	92		80 - 120		06/15/26 15:32	200
Toluene-d8 (Surr)	101		80 - 120		06/15/26 15:32	200

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/02/26 10:57	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.40		0.20	0.10	mg/L			06/13/26 03:44	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.4		3.2	0.89	ng/L		06/12/26 07:45	06/12/26 23:38	1
Perfluoropentanoic acid (PFPeA)	4.0		1.6	0.49	ng/L		06/12/26 07:45	06/12/26 23:38	1
Perfluorohexanoic acid (PFHxA)	4.8		1.6	0.41	ng/L		06/12/26 07:45	06/12/26 23:38	1
Perfluoroheptanoic acid (PFHpA)	2.1		1.6	0.65	ng/L		06/12/26 07:45	06/12/26 23:38	1
Perfluorooctanoic acid (PFOA)	2.6		1.6	0.73	ng/L		06/12/26 07:45	06/12/26 23:38	1
Perfluorononanoic acid (PFNA)	0.73	J	1.6	0.41	ng/L		06/12/26 07:45	06/12/26 23:38	1
Perfluorodecanoic acid (PFDA)	ND		1.6	0.41	ng/L		06/12/26 07:45	06/12/26 23:38	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.41	ng/L		06/12/26 07:45	06/12/26 23:38	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.41	ng/L		06/12/26 07:45	06/12/26 23:38	1
Perfluorotridecanoic acid (PFTTrDA)	ND		1.6	0.41	ng/L		06/12/26 07:45	06/12/26 23:38	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.6	0.41	ng/L		06/12/26 07:45	06/12/26 23:38	1
Perfluorobutanesulfonic acid (PFBS)	0.69	J	1.6	0.41	ng/L		06/12/26 07:45	06/12/26 23:38	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.6	0.41	ng/L		06/12/26 07:45	06/12/26 23:38	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.6	0.65	ng/L		06/12/26 07:45	06/12/26 23:38	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.6	0.41	ng/L		06/12/26 07:45	06/12/26 23:38	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.6	1.1	ng/L		06/12/26 07:45	06/12/26 23:38	1
Perfluorononanesulfonic acid (PFNS)	ND		1.6	0.41	ng/L		06/12/26 07:45	06/12/26 23:38	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.41	ng/L		06/12/26 07:45	06/12/26 23:38	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.6	0.49	ng/L		06/12/26 07:45	06/12/26 23:38	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.2	0.81	ng/L		06/12/26 07:45	06/12/26 23:38	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	1.7	J	3.2	0.81	ng/L		06/12/26 07:45	06/12/26 23:38	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-51B

Lab Sample ID: 410-286100-17

Date Collected: 06/01/26 14:35

Matrix: Water

Date Received: 06/01/26 17:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.2	0.81	ng/L		06/12/26 07:45	06/12/26 23:38	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.6	0.41	ng/L		06/12/26 07:45	06/12/26 23:38	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.6	0.41	ng/L		06/12/26 07:45	06/12/26 23:38	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.6	0.89	ng/L		06/12/26 07:45	06/12/26 23:38	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.6	0.41	ng/L		06/12/26 07:45	06/12/26 23:38	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.6	0.41	ng/L		06/12/26 07:45	06/12/26 23:38	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.1	3.2	ng/L		06/12/26 07:45	06/12/26 23:38	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.1	3.2	ng/L		06/12/26 07:45	06/12/26 23:38	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.6	1.1	ng/L		06/12/26 07:45	06/12/26 23:38	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.6	0.41	ng/L		06/12/26 07:45	06/12/26 23:38	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.6	0.41	ng/L		06/12/26 07:45	06/12/26 23:38	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.6	0.41	ng/L		06/12/26 07:45	06/12/26 23:38	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.6	0.41	ng/L		06/12/26 07:45	06/12/26 23:38	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.6	0.41	ng/L		06/12/26 07:45	06/12/26 23:38	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.6	0.41	ng/L		06/12/26 07:45	06/12/26 23:38	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.6	0.41	ng/L		06/12/26 07:45	06/12/26 23:38	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.2	0.81	ng/L		06/12/26 07:45	06/12/26 23:38	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		8.1	2.3	ng/L		06/12/26 07:45	06/12/26 23:38	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.1	2.0	ng/L		06/12/26 07:45	06/12/26 23:38	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	97.4		5 - 130				06/12/26 07:45	06/12/26 23:38	1
13C5 PFPeA	102		40 - 130				06/12/26 07:45	06/12/26 23:38	1
13C5 PFHxA	98.9		40 - 130				06/12/26 07:45	06/12/26 23:38	1
13C4 PFHpA	95.4		40 - 130				06/12/26 07:45	06/12/26 23:38	1
13C8 PFOA	93.6		40 - 130				06/12/26 07:45	06/12/26 23:38	1
13C9 PFNA	90.8		40 - 130				06/12/26 07:45	06/12/26 23:38	1
13C6 PFDA	79.8		40 - 130				06/12/26 07:45	06/12/26 23:38	1
13C7 PFUnA	80.2		30 - 130				06/12/26 07:45	06/12/26 23:38	1
13C2 PFTeDA	66.8		10 - 130				06/12/26 07:45	06/12/26 23:38	1
13C3 PFBS	99.7		40 - 135				06/12/26 07:45	06/12/26 23:38	1
13C3 PFHxS	92.7		40 - 130				06/12/26 07:45	06/12/26 23:38	1
13C8 PFOS	87.1		40 - 130				06/12/26 07:45	06/12/26 23:38	1
13C8 FOSA	82.5		40 - 130				06/12/26 07:45	06/12/26 23:38	1
d3-NMeFOSAA	81.8		40 - 170				06/12/26 07:45	06/12/26 23:38	1
d5-NEtFOSAA	76.7		25 - 135				06/12/26 07:45	06/12/26 23:38	1
13C2 4:2 FTS	80.9	^c cn	40 - 200				06/12/26 07:45	06/12/26 23:38	1

Eurolins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-51B

Lab Sample ID: 410-286100-17

Date Collected: 06/01/26 14:35

Matrix: Water

Date Received: 06/01/26 17:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 6:2 FTS	72.3	^c cn	40 - 200	06/12/26 07:45	06/12/26 23:38	1
13C2 8:2 FTS	77.5		40 - 300	06/12/26 07:45	06/12/26 23:38	1
13C3 HFPO-DA	92.7		40 - 130	06/12/26 07:45	06/12/26 23:38	1
d7-N-MeFOSE-M	69.2		10 - 130	06/12/26 07:45	06/12/26 23:38	1
d9-N-EtFOSE-M	64.1		10 - 130	06/12/26 07:45	06/12/26 23:38	1
d5-NEtPFOSA	70.8		10 - 130	06/12/26 07:45	06/12/26 23:38	1
d3-NMePFOSA	73.1		10 - 130	06/12/26 07:45	06/12/26 23:38	1
13C2 PFDoA	79.8		10 - 130	06/12/26 07:45	06/12/26 23:38	1
13C3-3:3 FTCA	132		20 - 150	06/12/26 07:45	06/12/26 23:38	1
13C3-5:3 FTCA	107		20 - 150	06/12/26 07:45	06/12/26 23:38	1
13C3-PFDoS	67.6		20 - 150	06/12/26 07:45	06/12/26 23:38	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND	cn	0.0021	0.00057	mg/L		06/09/26 05:45	06/10/26 16:03	1
Nickel	ND	cn	0.0010	0.00041	mg/L		06/09/26 05:45	06/10/26 16:03	1
Manganese	0.0041	cn	0.0021	0.00098	mg/L		06/09/26 05:45	06/10/26 16:03	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-79A

Lab Sample ID: 410-286100-18

Date Collected: 06/01/26 14:45

Matrix: Water

Date Received: 06/01/26 17:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/12/26 15:39	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/12/26 15:39	1
Ethylbenzene	0.88	J	1.0	0.40	ug/L			06/12/26 15:39	1
Styrene	ND		5.0	0.30	ug/L			06/12/26 15:39	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/12/26 15:39	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/12/26 15:39	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/12/26 15:39	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/12/26 15:39	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/12/26 15:39	1
Toluene	7.4		1.0	0.30	ug/L			06/12/26 15:39	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/12/26 15:39	1
Cyclohexane	ND		5.0	1.0	ug/L			06/12/26 15:39	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/12/26 15:39	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/12/26 15:39	1
Xylenes, Total	5.9		1.0	0.40	ug/L			06/12/26 15:39	1
trans-1,2-Dichloroethene	7.1		2.0	0.70	ug/L			06/12/26 15:39	1
Methyl tertiary butyl ether	2.9		1.0	0.20	ug/L			06/12/26 15:39	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/12/26 15:39	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/12/26 15:39	1
2-Hexanone	ND		10	0.85	ug/L			06/12/26 15:39	1
Acetone	17	J	20	0.70	ug/L			06/12/26 15:39	1
Chloroform	ND		1.0	0.30	ug/L			06/12/26 15:39	1
Benzene	4.6		1.0	0.30	ug/L			06/12/26 15:39	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/12/26 15:39	1
Bromomethane	ND	^c cn	1.0	0.30	ug/L			06/12/26 15:39	1
Chloromethane	ND	^c cn	2.0	0.55	ug/L			06/12/26 15:39	1
Chloroethane	ND		1.0	0.30	ug/L			06/12/26 15:39	1
Vinyl chloride	5.6	^c cn	1.0	0.30	ug/L			06/12/26 15:39	1
Methylene Chloride	4.1		1.0	0.30	ug/L			06/12/26 15:39	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/12/26 15:39	1
Bromoform	ND		4.0	1.0	ug/L			06/12/26 15:39	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/12/26 15:39	1
1,1-Dichloroethane	150		1.0	0.30	ug/L			06/12/26 15:39	1
1,1-Dichloroethene	170		1.0	0.30	ug/L			06/12/26 15:39	1
Trichlorofluoromethane	ND	^c cn	1.0	0.30	ug/L			06/12/26 15:39	1
Dichlorodifluoromethane	ND	^c cn	1.0	0.30	ug/L			06/12/26 15:39	1
Freon 113	ND		10	0.30	ug/L			06/12/26 15:39	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/12/26 15:39	1
2-Butanone	1.2	J	10	1.0	ug/L			06/12/26 15:39	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/12/26 15:39	1
Methyl acetate	ND		5.0	0.60	ug/L			06/12/26 15:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/12/26 15:39	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/12/26 15:39	1
1,2-Dibromo-3-Chloropropane	ND	^c cn	5.0	0.30	ug/L			06/12/26 15:39	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/12/26 15:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		80 - 120		06/12/26 15:39	1
Dibromofluoromethane (Surr)	107		80 - 120		06/12/26 15:39	1
4-Bromofluorobenzene (Surr)	90		80 - 120		06/12/26 15:39	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-79A

Lab Sample ID: 410-286100-18

Date Collected: 06/01/26 14:45

Matrix: Water

Date Received: 06/01/26 17:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120		06/12/26 15:39	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	540		10	3.0	ug/L			06/14/26 18:42	10
cis-1,2-Dichloroethene	1900		10	3.0	ug/L			06/14/26 18:42	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		06/14/26 18:42	10
Dibromofluoromethane (Surr)	109		80 - 120		06/14/26 18:42	10
4-Bromofluorobenzene (Surr)	90		80 - 120		06/14/26 18:42	10
Toluene-d8 (Surr)	95		80 - 120		06/14/26 18:42	10

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	110000	cn	2000	600	ug/L			06/15/26 18:46	2000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101	cn	80 - 120		06/15/26 18:46	2000
Dibromofluoromethane (Surr)	114	cn	80 - 120		06/15/26 18:46	2000
4-Bromofluorobenzene (Surr)	92	cn	80 - 120		06/15/26 18:46	2000
Toluene-d8 (Surr)	92	cn	80 - 120		06/15/26 18:46	2000

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/02/26 11:20	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.83		0.20	0.10	mg/L			06/13/26 04:38	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	22		3.0	0.82	ng/L		06/12/26 07:45	06/12/26 23:53	1
Perfluoropentanoic acid (PFPeA)	74		1.5	0.45	ng/L		06/12/26 07:45	06/12/26 23:53	1
Perfluorohexanoic acid (PFHxA)	40		1.5	0.37	ng/L		06/12/26 07:45	06/12/26 23:53	1
Perfluoroheptanoic acid (PFHpA)	27		1.5	0.60	ng/L		06/12/26 07:45	06/12/26 23:53	1
Perfluorooctanoic acid (PFOA)	18		1.5	0.67	ng/L		06/12/26 07:45	06/12/26 23:53	1
Perfluorononanoic acid (PFNA)	2.1		1.5	0.37	ng/L		06/12/26 07:45	06/12/26 23:53	1
Perfluorodecanoic acid (PFDA)	ND		1.5	0.37	ng/L		06/12/26 07:45	06/12/26 23:53	1
Perfluoroundecanoic acid (PFUnA)	ND		1.5	0.37	ng/L		06/12/26 07:45	06/12/26 23:53	1
Perfluorododecanoic acid (PFDoA)	ND		1.5	0.37	ng/L		06/12/26 07:45	06/12/26 23:53	1
Perfluorotridecanoic acid (PFTriDA)	ND		1.5	0.37	ng/L		06/12/26 07:45	06/12/26 23:53	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.5	0.37	ng/L		06/12/26 07:45	06/12/26 23:53	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.5	0.37	ng/L		06/12/26 07:45	06/12/26 23:53	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.5	0.37	ng/L		06/12/26 07:45	06/12/26 23:53	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.5	0.60	ng/L		06/12/26 07:45	06/12/26 23:53	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.5	0.37	ng/L		06/12/26 07:45	06/12/26 23:53	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.5	0.97	ng/L		06/12/26 07:45	06/12/26 23:53	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-79A

Lab Sample ID: 410-286100-18

Date Collected: 06/01/26 14:45

Matrix: Water

Date Received: 06/01/26 17:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanesulfonic acid (PFNS)	ND		1.5	0.37	ng/L		06/12/26 07:45	06/12/26 23:53	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.5	0.37	ng/L		06/12/26 07:45	06/12/26 23:53	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.5	0.45	ng/L		06/12/26 07:45	06/12/26 23:53	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.99	J	3.0	0.74	ng/L		06/12/26 07:45	06/12/26 23:53	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	63		3.0	0.74	ng/L		06/12/26 07:45	06/12/26 23:53	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.0	0.74	ng/L		06/12/26 07:45	06/12/26 23:53	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.5	0.37	ng/L		06/12/26 07:45	06/12/26 23:53	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.5	0.37	ng/L		06/12/26 07:45	06/12/26 23:53	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.5	0.82	ng/L		06/12/26 07:45	06/12/26 23:53	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.5	0.37	ng/L		06/12/26 07:45	06/12/26 23:53	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.5	0.37	ng/L		06/12/26 07:45	06/12/26 23:53	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		7.4	3.0	ng/L		06/12/26 07:45	06/12/26 23:53	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		7.4	3.0	ng/L		06/12/26 07:45	06/12/26 23:53	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.5	1.0	ng/L		06/12/26 07:45	06/12/26 23:53	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.5	0.37	ng/L		06/12/26 07:45	06/12/26 23:53	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.5	0.37	ng/L		06/12/26 07:45	06/12/26 23:53	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.5	0.37	ng/L		06/12/26 07:45	06/12/26 23:53	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.5	0.37	ng/L		06/12/26 07:45	06/12/26 23:53	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	ND		1.5	0.37	ng/L		06/12/26 07:45	06/12/26 23:53	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	ND		1.5	0.37	ng/L		06/12/26 07:45	06/12/26 23:53	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.5	0.37	ng/L		06/12/26 07:45	06/12/26 23:53	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.0	0.74	ng/L		06/12/26 07:45	06/12/26 23:53	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND	cn	7.4	2.1	ng/L		06/12/26 07:45	06/12/26 23:53	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		7.4	1.9	ng/L		06/12/26 07:45	06/12/26 23:53	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	98.9		5 - 130	06/12/26 07:45	06/12/26 23:53	1
13C5 PFPeA	96.6		40 - 130	06/12/26 07:45	06/12/26 23:53	1
13C5 PFHxA	88.4		40 - 130	06/12/26 07:45	06/12/26 23:53	1
13C4 PFHpA	85.5		40 - 130	06/12/26 07:45	06/12/26 23:53	1
13C8 PFOA	86.9		40 - 130	06/12/26 07:45	06/12/26 23:53	1
13C9 PFNA	87.7		40 - 130	06/12/26 07:45	06/12/26 23:53	1
13C6 PFDA	80.4		40 - 130	06/12/26 07:45	06/12/26 23:53	1
13C7 PFUnA	91.1		30 - 130	06/12/26 07:45	06/12/26 23:53	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-79A

Lab Sample ID: 410-286100-18

Date Collected: 06/01/26 14:45

Matrix: Water

Date Received: 06/01/26 17:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFTeDA	89.2		10 - 130	06/12/26 07:45	06/12/26 23:53	1
13C3 PFBS	88.5		40 - 135	06/12/26 07:45	06/12/26 23:53	1
13C3 PFHxS	86.6		40 - 130	06/12/26 07:45	06/12/26 23:53	1
13C8 PFOS	96.0		40 - 130	06/12/26 07:45	06/12/26 23:53	1
13C8 FOSA	81.9		40 - 130	06/12/26 07:45	06/12/26 23:53	1
d3-NMeFOSAA	68.8		40 - 170	06/12/26 07:45	06/12/26 23:53	1
d5-NEtFOSAA	62.6		25 - 135	06/12/26 07:45	06/12/26 23:53	1
13C2 4:2 FTS	61.4	^c cn	40 - 200	06/12/26 07:45	06/12/26 23:53	1
13C2 6:2 FTS	59.3	^c cn	40 - 200	06/12/26 07:45	06/12/26 23:53	1
13C2 8:2 FTS	70.3		40 - 300	06/12/26 07:45	06/12/26 23:53	1
13C3 HFPO-DA	85.1		40 - 130	06/12/26 07:45	06/12/26 23:53	1
d7-N-MeFOSE-M	78.1		10 - 130	06/12/26 07:45	06/12/26 23:53	1
d9-N-EtFOSE-M	71.5		10 - 130	06/12/26 07:45	06/12/26 23:53	1
d5-NEtPFOSA	72.9		10 - 130	06/12/26 07:45	06/12/26 23:53	1
d3-NMePFOSA	73.9		10 - 130	06/12/26 07:45	06/12/26 23:53	1
13C2 PFDoA	90.6		10 - 130	06/12/26 07:45	06/12/26 23:53	1
13C3-3:3 FTCA	128		20 - 150	06/12/26 07:45	06/12/26 23:53	1
13C3-5:3 FTCA	85.3		20 - 150	06/12/26 07:45	06/12/26 23:53	1
13C3-PFDoS	80.6		20 - 150	06/12/26 07:45	06/12/26 23:53	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND	cn	0.0021	0.00057	mg/L		06/09/26 05:45	06/10/26 16:05	1
Nickel	0.00066	J cn	0.0010	0.00041	mg/L		06/09/26 05:45	06/10/26 16:05	1
Manganese	0.13	cn	0.0021	0.00098	mg/L		06/09/26 05:45	06/10/26 16:05	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-79B

Lab Sample ID: 410-286100-19

Date Collected: 06/01/26 15:00

Matrix: Water

Date Received: 06/01/26 17:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/12/26 16:02	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/12/26 16:02	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/12/26 16:02	1
Styrene	ND		5.0	0.30	ug/L			06/12/26 16:02	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/12/26 16:02	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/12/26 16:02	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/12/26 16:02	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/12/26 16:02	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/12/26 16:02	1
Toluene	3.2		1.0	0.30	ug/L			06/12/26 16:02	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/12/26 16:02	1
Cyclohexane	ND		5.0	1.0	ug/L			06/12/26 16:02	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/12/26 16:02	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/12/26 16:02	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/12/26 16:02	1
Tetrachloroethene	5.9		1.0	0.30	ug/L			06/12/26 16:02	1
trans-1,2-Dichloroethene	6.0		2.0	0.70	ug/L			06/12/26 16:02	1
Methyl tertiary butyl ether	0.57	J	1.0	0.20	ug/L			06/12/26 16:02	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/12/26 16:02	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/12/26 16:02	1
2-Hexanone	ND		10	0.85	ug/L			06/12/26 16:02	1
Acetone	8.7	J	20	0.70	ug/L			06/12/26 16:02	1
Chloroform	ND		1.0	0.30	ug/L			06/12/26 16:02	1
Benzene	ND		1.0	0.30	ug/L			06/12/26 16:02	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/12/26 16:02	1
Bromomethane	ND	^c cn	1.0	0.30	ug/L			06/12/26 16:02	1
Chloromethane	ND	^c cn	2.0	0.55	ug/L			06/12/26 16:02	1
Chloroethane	ND		1.0	0.30	ug/L			06/12/26 16:02	1
Vinyl chloride	0.86	J ^c cn	1.0	0.30	ug/L			06/12/26 16:02	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/12/26 16:02	1
Carbon disulfide	2.2	J	5.0	0.30	ug/L			06/12/26 16:02	1
Bromoform	ND		4.0	1.0	ug/L			06/12/26 16:02	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/12/26 16:02	1
1,1-Dichloroethane	2.9		1.0	0.30	ug/L			06/12/26 16:02	1
1,1-Dichloroethene	2.2		1.0	0.30	ug/L			06/12/26 16:02	1
Trichlorofluoromethane	ND	^c cn	1.0	0.30	ug/L			06/12/26 16:02	1
Dichlorodifluoromethane	ND	^c cn	1.0	0.30	ug/L			06/12/26 16:02	1
Freon 113	ND		10	0.30	ug/L			06/12/26 16:02	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/12/26 16:02	1
2-Butanone	ND		10	1.0	ug/L			06/12/26 16:02	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/12/26 16:02	1
Methyl acetate	ND		5.0	0.60	ug/L			06/12/26 16:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/12/26 16:02	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/12/26 16:02	1
1,2-Dibromo-3-Chloropropane	ND	^c cn	5.0	0.30	ug/L			06/12/26 16:02	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/12/26 16:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		80 - 120		06/12/26 16:02	1
Dibromofluoromethane (Surr)	106		80 - 120		06/12/26 16:02	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-79B

Lab Sample ID: 410-286100-19

Date Collected: 06/01/26 15:00

Matrix: Water

Date Received: 06/01/26 17:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		80 - 120		06/12/26 16:02	1
Toluene-d8 (Surr)	95		80 - 120		06/12/26 16:02	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	520		10	3.0	ug/L			06/14/26 19:23	10
Trichloroethene	790		10	3.0	ug/L			06/14/26 19:23	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		80 - 120		06/14/26 19:23	10
Dibromofluoromethane (Surr)	114		80 - 120		06/14/26 19:23	10
4-Bromofluorobenzene (Surr)	92		80 - 120		06/14/26 19:23	10
Toluene-d8 (Surr)	91		80 - 120		06/14/26 19:23	10

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/02/26 11:27	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	3.5		2.0	1.0	mg/L			06/13/26 02:13	10

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	18		3.2	0.89	ng/L		06/12/26 07:45	06/13/26 00:06	1
Perfluoropentanoic acid (PFPeA)	35		1.6	0.48	ng/L		06/12/26 07:45	06/13/26 00:06	1
Perfluorohexanoic acid (PFHxA)	25		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 00:06	1
Perfluoroheptanoic acid (PFHpA)	21		1.6	0.64	ng/L		06/12/26 07:45	06/13/26 00:06	1
Perfluorooctanoic acid (PFOA)	39		1.6	0.72	ng/L		06/12/26 07:45	06/13/26 00:06	1
Perfluorononanoic acid (PFNA)	6.2		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 00:06	1
Perfluorodecanoic acid (PFDA)	3.4		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 00:06	1
Perfluoroundecanoic acid (PFUnA)	2.4		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 00:06	1
Perfluorododecanoic acid (PFDoA)	1.4 J		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 00:06	1
Perfluorotridecanoic acid (PFTTrDA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 00:06	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 00:06	1
Perfluorobutanesulfonic acid (PFBS)	0.83 J		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 00:06	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 00:06	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.6	0.64	ng/L		06/12/26 07:45	06/13/26 00:06	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 00:06	1
Perfluorooctanesulfonic acid (PFOS)	1.5 J		1.6	1.0	ng/L		06/12/26 07:45	06/13/26 00:06	1
Perfluorononanesulfonic acid (PFNS)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 00:06	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 00:06	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.6	0.48	ng/L		06/12/26 07:45	06/13/26 00:06	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	1.3 J		3.2	0.81	ng/L		06/12/26 07:45	06/13/26 00:06	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-79B

Lab Sample ID: 410-286100-19

Date Collected: 06/01/26 15:00

Matrix: Water

Date Received: 06/01/26 17:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	280		3.2	0.81	ng/L		06/12/26 07:45	06/13/26 00:06	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	1.3	J	3.2	0.81	ng/L		06/12/26 07:45	06/13/26 00:06	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 00:06	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 00:06	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.6	0.89	ng/L		06/12/26 07:45	06/13/26 00:06	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 00:06	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 00:06	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.1	3.2	ng/L		06/12/26 07:45	06/13/26 00:06	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.1	3.2	ng/L		06/12/26 07:45	06/13/26 00:06	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.6	1.1	ng/L		06/12/26 07:45	06/13/26 00:06	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 00:06	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 00:06	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 00:06	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 00:06	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 00:06	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 00:06	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.6	0.40	ng/L		06/12/26 07:45	06/13/26 00:06	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.2	0.81	ng/L		06/12/26 07:45	06/13/26 00:06	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	2.5	J	8.1	2.3	ng/L		06/12/26 07:45	06/13/26 00:06	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.1	2.0	ng/L		06/12/26 07:45	06/13/26 00:06	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	93.9		5 - 130	06/12/26 07:45	06/13/26 00:06	1
13C5 PFPeA	101		40 - 130	06/12/26 07:45	06/13/26 00:06	1
13C5 PFHxA	93.0		40 - 130	06/12/26 07:45	06/13/26 00:06	1
13C4 PFHpA	94.8		40 - 130	06/12/26 07:45	06/13/26 00:06	1
13C8 PFOA	92.7		40 - 130	06/12/26 07:45	06/13/26 00:06	1
13C9 PFNA	90.4		40 - 130	06/12/26 07:45	06/13/26 00:06	1
13C6 PFDA	82.1		40 - 130	06/12/26 07:45	06/13/26 00:06	1
13C7 PFUnA	81.5		30 - 130	06/12/26 07:45	06/13/26 00:06	1
13C2 PFTeDA	68.2		10 - 130	06/12/26 07:45	06/13/26 00:06	1
13C3 PFBS	97.4		40 - 135	06/12/26 07:45	06/13/26 00:06	1
13C3 PFHxS	93.3		40 - 130	06/12/26 07:45	06/13/26 00:06	1
13C8 PFOS	92.6		40 - 130	06/12/26 07:45	06/13/26 00:06	1
13C8 FOSA	88.5		40 - 130	06/12/26 07:45	06/13/26 00:06	1
d3-NMeFOSAA	90.8		40 - 170	06/12/26 07:45	06/13/26 00:06	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-79B

Lab Sample ID: 410-286100-19

Date Collected: 06/01/26 15:00

Matrix: Water

Date Received: 06/01/26 17:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	77.7		25 - 135	06/12/26 07:45	06/13/26 00:06	1
13C2 4:2 FTS	129	^c cn	40 - 200	06/12/26 07:45	06/13/26 00:06	1
13C2 6:2 FTS	75.4	^c cn	40 - 200	06/12/26 07:45	06/13/26 00:06	1
13C2 8:2 FTS	88.4		40 - 300	06/12/26 07:45	06/13/26 00:06	1
13C3 HFPO-DA	85.8		40 - 130	06/12/26 07:45	06/13/26 00:06	1
d7-N-MeFOSE-M	73.4		10 - 130	06/12/26 07:45	06/13/26 00:06	1
d9-N-EtFOSE-M	65.0		10 - 130	06/12/26 07:45	06/13/26 00:06	1
d5-NEtPFOSA	69.7		10 - 130	06/12/26 07:45	06/13/26 00:06	1
d3-NMePFOSA	73.7		10 - 130	06/12/26 07:45	06/13/26 00:06	1
13C2 PFDoA	80.5		10 - 130	06/12/26 07:45	06/13/26 00:06	1
13C3-3:3 FTCA	131		20 - 150	06/12/26 07:45	06/13/26 00:06	1
13C3-5:3 FTCA	108		20 - 150	06/12/26 07:45	06/13/26 00:06	1
13C3-PFDoS	68.9		20 - 150	06/12/26 07:45	06/13/26 00:06	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND	cn	0.0021	0.00057	mg/L		06/09/26 05:45	06/10/26 16:01	1
Nickel	0.0022	cn	0.0010	0.00041	mg/L		06/09/26 05:45	06/10/26 16:01	1
Manganese	0.0058	cn	0.0021	0.00098	mg/L		06/09/26 05:45	06/10/26 16:01	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: Field Blank

Lab Sample ID: 410-286100-20

Date Collected: 06/01/26 15:30

Matrix: Water

Date Received: 06/01/26 17:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND	cn	1.0	0.50	ug/L			06/14/26 13:34	1
trans-1,3-Dichloropropene	ND	cn	1.0	0.20	ug/L			06/14/26 13:34	1
Ethylbenzene	ND	cn	1.0	0.40	ug/L			06/14/26 13:34	1
Styrene	ND	cn	5.0	0.30	ug/L			06/14/26 13:34	1
1,4-Dichlorobenzene	ND	cn	5.0	0.30	ug/L			06/14/26 13:34	1
1,2-Dibromoethane	ND	cn	1.0	0.20	ug/L			06/14/26 13:34	1
1,2-Dichloroethane	ND	cn	1.0	0.30	ug/L			06/14/26 13:34	1
4-Methyl-2-pentanone	ND	^c cn	10	0.50	ug/L			06/14/26 13:34	1
Methylcyclohexane	ND	cn	5.0	0.50	ug/L			06/14/26 13:34	1
Toluene	ND	cn	1.0	0.30	ug/L			06/14/26 13:34	1
Chlorobenzene	ND	cn	1.0	0.30	ug/L			06/14/26 13:34	1
Cyclohexane	ND	cn	5.0	1.0	ug/L			06/14/26 13:34	1
1,2,4-Trichlorobenzene	ND	cn	5.0	0.30	ug/L			06/14/26 13:34	1
Dibromochloromethane	ND	cn	1.0	0.20	ug/L			06/14/26 13:34	1
Xylenes, Total	ND	cn	1.0	0.40	ug/L			06/14/26 13:34	1
Tetrachloroethene	ND	cn	1.0	0.30	ug/L			06/14/26 13:34	1
cis-1,2-Dichloroethene	ND	cn	1.0	0.30	ug/L			06/14/26 13:34	1
trans-1,2-Dichloroethene	ND	cn	2.0	0.70	ug/L			06/14/26 13:34	1
Methyl tertiary butyl ether	ND	cn	1.0	0.20	ug/L			06/14/26 13:34	1
1,3-Dichlorobenzene	ND	cn	5.0	0.68	ug/L			06/14/26 13:34	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			06/14/26 13:34	1
2-Hexanone	ND	^c cn	10	0.85	ug/L			06/14/26 13:34	1
Acetone	48	cn	20	0.70	ug/L			06/14/26 13:34	1
Chloroform	ND	cn	1.0	0.30	ug/L			06/14/26 13:34	1
Benzene	ND	cn	1.0	0.30	ug/L			06/14/26 13:34	1
1,1,1-Trichloroethane	ND	*+ ^c cn	1.0	0.30	ug/L			06/14/26 13:34	1
Bromomethane	ND	cn	1.0	0.30	ug/L			06/14/26 13:34	1
Chloromethane	ND	^c cn	2.0	0.55	ug/L			06/14/26 13:34	1
Chloroethane	ND	cn	1.0	0.30	ug/L			06/14/26 13:34	1
Vinyl chloride	ND	cn	1.0	0.30	ug/L			06/14/26 13:34	1
Methylene Chloride	ND	cn	1.0	0.30	ug/L			06/14/26 13:34	1
Carbon disulfide	ND	cn	5.0	0.30	ug/L			06/14/26 13:34	1
Bromoform	ND	^c cn	4.0	1.0	ug/L			06/14/26 13:34	1
Bromodichloromethane	ND	cn	1.0	0.20	ug/L			06/14/26 13:34	1
1,1-Dichloroethane	ND	cn	1.0	0.30	ug/L			06/14/26 13:34	1
1,1-Dichloroethene	ND	cn	1.0	0.30	ug/L			06/14/26 13:34	1
Trichlorofluoromethane	ND	cn	1.0	0.30	ug/L			06/14/26 13:34	1
Dichlorodifluoromethane	ND	cn	1.0	0.30	ug/L			06/14/26 13:34	1
Freon 113	ND	cn	10	0.30	ug/L			06/14/26 13:34	1
1,2-Dichloropropane	ND	cn	1.0	0.30	ug/L			06/14/26 13:34	1
2-Butanone	2.7	J ^c cn	10	1.0	ug/L			06/14/26 13:34	1
1,1,2-Trichloroethane	ND	cn	1.0	0.30	ug/L			06/14/26 13:34	1
Trichloroethene	ND	cn	1.0	0.30	ug/L			06/14/26 13:34	1
Methyl acetate	ND	^c cn	5.0	0.60	ug/L			06/14/26 13:34	1
1,1,2,2-Tetrachloroethane	ND	cn	1.0	0.30	ug/L			06/14/26 13:34	1
1,2-Dichlorobenzene	ND	cn	5.0	0.20	ug/L			06/14/26 13:34	1
1,2-Dibromo-3-Chloropropane	ND	cn	5.0	0.30	ug/L			06/14/26 13:34	1
Isopropylbenzene	ND	cn	5.0	0.30	ug/L			06/14/26 13:34	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: Field Blank

Lab Sample ID: 410-286100-20

Date Collected: 06/01/26 15:30

Matrix: Water

Date Received: 06/01/26 17:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112	cn	80 - 120		06/14/26 13:34	1
Dibromofluoromethane (Surr)	113	cn	80 - 120		06/14/26 13:34	1
4-Bromofluorobenzene (Surr)	93	cn	80 - 120		06/14/26 13:34	1
Toluene-d8 (Surr)	93	cn	80 - 120		06/14/26 13:34	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/02/26 11:35	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20	0.10	mg/L			06/13/26 08:25	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		3.7	1.0	ng/L		06/12/26 07:45	06/13/26 00:20	1
Perfluoropentanoic acid (PFPeA)	ND		1.8	0.55	ng/L		06/12/26 07:45	06/13/26 00:20	1
Perfluorohexanoic acid (PFHxA)	ND		1.8	0.46	ng/L		06/12/26 07:45	06/13/26 00:20	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8	0.73	ng/L		06/12/26 07:45	06/13/26 00:20	1
Perfluorooctanoic acid (PFOA)	ND		1.8	0.82	ng/L		06/12/26 07:45	06/13/26 00:20	1
Perfluorononanoic acid (PFNA)	ND		1.8	0.46	ng/L		06/12/26 07:45	06/13/26 00:20	1
Perfluorodecanoic acid (PFDA)	ND		1.8	0.46	ng/L		06/12/26 07:45	06/13/26 00:20	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.46	ng/L		06/12/26 07:45	06/13/26 00:20	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.46	ng/L		06/12/26 07:45	06/13/26 00:20	1
Perfluorotridecanoic acid (PFTriDA)	ND		1.8	0.46	ng/L		06/12/26 07:45	06/13/26 00:20	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.8	0.46	ng/L		06/12/26 07:45	06/13/26 00:20	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8	0.46	ng/L		06/12/26 07:45	06/13/26 00:20	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.8	0.46	ng/L		06/12/26 07:45	06/13/26 00:20	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.73	ng/L		06/12/26 07:45	06/13/26 00:20	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.8	0.46	ng/L		06/12/26 07:45	06/13/26 00:20	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8	1.2	ng/L		06/12/26 07:45	06/13/26 00:20	1
Perfluorononanesulfonic acid (PFNS)	ND		1.8	0.46	ng/L		06/12/26 07:45	06/13/26 00:20	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.46	ng/L		06/12/26 07:45	06/13/26 00:20	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.55	ng/L		06/12/26 07:45	06/13/26 00:20	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.7	0.91	ng/L		06/12/26 07:45	06/13/26 00:20	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		3.7	0.91	ng/L		06/12/26 07:45	06/13/26 00:20	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.7	0.91	ng/L		06/12/26 07:45	06/13/26 00:20	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.46	ng/L		06/12/26 07:45	06/13/26 00:20	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.8	0.46	ng/L		06/12/26 07:45	06/13/26 00:20	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.8	1.0	ng/L		06/12/26 07:45	06/13/26 00:20	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.8	0.46	ng/L		06/12/26 07:45	06/13/26 00:20	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.8	0.46	ng/L		06/12/26 07:45	06/13/26 00:20	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: Field Blank

Lab Sample ID: 410-286100-20

Date Collected: 06/01/26 15:30

Matrix: Water

Date Received: 06/01/26 17:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		9.1	3.7	ng/L		06/12/26 07:45	06/13/26 00:20	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		9.1	3.7	ng/L		06/12/26 07:45	06/13/26 00:20	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.8	1.3	ng/L		06/12/26 07:45	06/13/26 00:20	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.8	0.46	ng/L		06/12/26 07:45	06/13/26 00:20	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.8	0.46	ng/L		06/12/26 07:45	06/13/26 00:20	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.8	0.46	ng/L		06/12/26 07:45	06/13/26 00:20	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.8	0.46	ng/L		06/12/26 07:45	06/13/26 00:20	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		1.8	0.46	ng/L		06/12/26 07:45	06/13/26 00:20	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.8	0.46	ng/L		06/12/26 07:45	06/13/26 00:20	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.8	0.46	ng/L		06/12/26 07:45	06/13/26 00:20	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.7	0.91	ng/L		06/12/26 07:45	06/13/26 00:20	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		9.1	2.6	ng/L		06/12/26 07:45	06/13/26 00:20	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		9.1	2.3	ng/L		06/12/26 07:45	06/13/26 00:20	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	100		5 - 130	06/12/26 07:45	06/13/26 00:20	1
13C5 PFPeA	99.4		40 - 130	06/12/26 07:45	06/13/26 00:20	1
13C5 PFHxA	95.1		40 - 130	06/12/26 07:45	06/13/26 00:20	1
13C4 PFHpA	96.9		40 - 130	06/12/26 07:45	06/13/26 00:20	1
13C8 PFOA	99.3		40 - 130	06/12/26 07:45	06/13/26 00:20	1
13C9 PFNA	95.6		40 - 130	06/12/26 07:45	06/13/26 00:20	1
13C6 PFDA	82.0		40 - 130	06/12/26 07:45	06/13/26 00:20	1
13C7 PFUnA	87.8		30 - 130	06/12/26 07:45	06/13/26 00:20	1
13C2 PFTeDA	82.9		10 - 130	06/12/26 07:45	06/13/26 00:20	1
13C3 PFBS	92.3		40 - 135	06/12/26 07:45	06/13/26 00:20	1
13C3 PFHxS	89.7		40 - 130	06/12/26 07:45	06/13/26 00:20	1
13C8 PFOS	89.3		40 - 130	06/12/26 07:45	06/13/26 00:20	1
13C8 FOSA	88.4		40 - 130	06/12/26 07:45	06/13/26 00:20	1
d3-NMeFOSAA	71.3		40 - 170	06/12/26 07:45	06/13/26 00:20	1
d5-NEtFOSAA	71.8		25 - 135	06/12/26 07:45	06/13/26 00:20	1
13C2 4:2 FTS	63.5	^c cn	40 - 200	06/12/26 07:45	06/13/26 00:20	1
13C2 6:2 FTS	63.9	^c cn	40 - 200	06/12/26 07:45	06/13/26 00:20	1
13C2 8:2 FTS	78.8		40 - 300	06/12/26 07:45	06/13/26 00:20	1
13C3 HFPO-DA	94.9		40 - 130	06/12/26 07:45	06/13/26 00:20	1
d7-N-MeFOSE-M	79.6		10 - 130	06/12/26 07:45	06/13/26 00:20	1
d9-N-EtFOSE-M	76.9		10 - 130	06/12/26 07:45	06/13/26 00:20	1
d5-NEtPFOSA	69.1		10 - 130	06/12/26 07:45	06/13/26 00:20	1
d3-NMePFOSA	73.1		10 - 130	06/12/26 07:45	06/13/26 00:20	1
13C2 PFDaA	87.5		10 - 130	06/12/26 07:45	06/13/26 00:20	1
13C3-3:3 FTCA	104		20 - 150	06/12/26 07:45	06/13/26 00:20	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: Field Blank

Lab Sample ID: 410-286100-20

Date Collected: 06/01/26 15:30

Matrix: Water

Date Received: 06/01/26 17:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C3-5:3 FTCA	94.6		20 - 150	06/12/26 07:45	06/13/26 00:20	1
13C3-PFDoS	73.4		20 - 150	06/12/26 07:45	06/13/26 00:20	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Chromium	ND	cn	0.0021	0.00057	mg/L		06/09/26 05:45	06/10/26 16:20	1
Nickel	ND	cn	0.0010	0.00041	mg/L		06/09/26 05:45	06/10/26 16:20	1
Manganese	ND	cn	0.0021	0.00098	mg/L		06/09/26 05:45	06/10/26 16:20	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: Trip Blank

Lab Sample ID: 410-286100-21

Date Collected: 05/07/26 00:00

Matrix: Water

Date Received: 06/01/26 17:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/06/26 11:12	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/06/26 11:12	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/06/26 11:12	1
Styrene	ND		5.0	0.30	ug/L			06/06/26 11:12	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/06/26 11:12	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/06/26 11:12	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/06/26 11:12	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/06/26 11:12	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/06/26 11:12	1
Toluene	ND		1.0	0.30	ug/L			06/06/26 11:12	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/06/26 11:12	1
Cyclohexane	ND		5.0	1.0	ug/L			06/06/26 11:12	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/06/26 11:12	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/06/26 11:12	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/06/26 11:12	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/06/26 11:12	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/06/26 11:12	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/06/26 11:12	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/06/26 11:12	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/06/26 11:12	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/06/26 11:12	1
2-Hexanone	ND		10	0.85	ug/L			06/06/26 11:12	1
Acetone	0.77	J	20	0.70	ug/L			06/06/26 11:12	1
Chloroform	ND		1.0	0.30	ug/L			06/06/26 11:12	1
Benzene	ND		1.0	0.30	ug/L			06/06/26 11:12	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/06/26 11:12	1
Bromomethane	ND		1.0	0.30	ug/L			06/06/26 11:12	1
Chloromethane	ND		2.0	0.55	ug/L			06/06/26 11:12	1
Chloroethane	ND		1.0	0.30	ug/L			06/06/26 11:12	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/06/26 11:12	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/06/26 11:12	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/06/26 11:12	1
Bromoform	ND		4.0	1.0	ug/L			06/06/26 11:12	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/06/26 11:12	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/06/26 11:12	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/06/26 11:12	1
Trichlorofluoromethane	ND	^c cn	1.0	0.30	ug/L			06/06/26 11:12	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/06/26 11:12	1
Freon 113	ND		10	0.30	ug/L			06/06/26 11:12	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/06/26 11:12	1
2-Butanone	ND		10	1.0	ug/L			06/06/26 11:12	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/06/26 11:12	1
Trichloroethene	ND		1.0	0.30	ug/L			06/06/26 11:12	1
Methyl acetate	ND		5.0	0.60	ug/L			06/06/26 11:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/06/26 11:12	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/06/26 11:12	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/06/26 11:12	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/06/26 11:12	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: Trip Blank

Lab Sample ID: 410-286100-21

Date Collected: 05/07/26 00:00

Matrix: Water

Date Received: 06/01/26 17:15

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	106		80 - 120		06/06/26 11:12	1
Dibromofluoromethane (Surr)	96		80 - 120		06/06/26 11:12	1
4-Bromofluorobenzene (Surr)	99		80 - 120		06/06/26 11:12	1
Toluene-d8 (Surr)	104		80 - 120		06/06/26 11:12	1

Surrogate Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (80-120)	DBFM (80-120)	BFB (80-120)	TOL (80-120)
410-286100-1	MW-81	101	99	101	101
410-286100-1 MS	MW-81	99	99	100	99
410-286100-1 MSD	MW-81	103	99	100	102
410-286100-2	MW-82A	102	100	102	102
410-286100-3	MW-82B	98	100	100	100
410-286100-4	MW-60	102	101	101	101
410-286100-5	MW-50A	101	100	101	101
410-286100-6	MW-50B	101	99	101	101
410-286100-7	MW-49A	100	95	96	98
410-286100-8	MW-49B	99	92	95	97
410-286100-9	MW-14	100	92	100	96
410-286100-10	MW-15	97	99	97	99
410-286100-10 - DL	MW-15	101	115	93	95
410-286100-10 - RADL	MW-15	101 cn	102 cn	93 cn	100 cn
410-286100-11	MW-28A	98	96	94	96
410-286100-12	Duplicate 3	99	91	99	97
410-286100-13	MW-28B	95	96	95	100
410-286100-13 - DL	MW-28B	110	116	90	93
410-286100-13 - RADL	MW-28B	100 cn	100 cn	93 cn	100 cn
410-286100-14	MW-28C	96	95	96	98
410-286100-14 - DL	MW-28C	104	116	92	90
410-286100-15	MW-52	101	98	97	98
410-286100-16	MW-51A	99	94	97	98
410-286100-16 - DL	MW-51A	102 cn	114 cn	91 cn	90 cn
410-286100-17	MW-51B	85 cn	76 S1- cn	94 cn	103 cn
410-286100-17 - DL	MW-51B	103	100	92	101
410-286100-18	MW-79A	92	107	90	100
410-286100-18 - DL	MW-79A	101	109	90	95
410-286100-18 - DL2	MW-79A	101 cn	114 cn	92 cn	92 cn
410-286100-19	MW-79B	96	106	90	95
410-286100-19 - DL	MW-79B	105	114	92	91
410-286100-20	Field Blank	112 cn	113 cn	93 cn	93 cn
410-286100-21	Trip Blank	106	96	99	104
LCS 410-830737/4	Lab Control Sample	107	97	102	106
LCS 410-833919/4	Lab Control Sample	104	100	99	101
LCS 410-834116/5	Lab Control Sample	96	92	101	102
LCS 410-834138/5	Lab Control Sample	97	101	94	98
LCS 410-834952/4	Lab Control Sample	102	109	94	95
LCS 410-835141/4	Lab Control Sample	102	100	93	99
LCS 410-835226/4	Lab Control Sample	103	109	96	94
LCSD 410-830737/5	Lab Control Sample Dup	104	96	103	106
LCSD 410-834116/6	Lab Control Sample Dup	96	93	98	99
LCSD 410-834952/5	Lab Control Sample Dup	101	108	96	93
LCSD 410-835141/5	Lab Control Sample Dup	102	101	95	100
LCSD 410-835226/5	Lab Control Sample Dup	102	109	96	93
MB 410-830737/7	Method Blank	106	96	98	103
MB 410-833919/7	Method Blank	101	101	101	101
MB 410-834116/10	Method Blank	98	88	98	97
MB 410-834138/7	Method Blank	98	105	92	94

Eurofins Lancaster Laboratories Environment Testing, LLC

Surrogate Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (80-120)	DBFM (80-120)	BFB (80-120)	TOL (80-120)
MB 410-834952/7	Method Blank	104	113	92	92
MB 410-835141/7	Method Blank	104	101	95	101
MB 410-835226/7	Method Blank	107	112	94	92

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

DBFM = Dibromofluoromethane (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

Isotope Dilution Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFBA (5-130)	PFPeA (40-130)	13C5PHA (40-130)	C4PFHA (40-130)	C8PFOA (40-130)	C9PFNA (40-130)	C6PFDA (40-130)	13C7PUA (30-130)
410-286100-1	MW-81	74.4	83.9	77.0	79.5	77.4	77.4	61.5	51.6
410-286100-1 - RE	MW-81								
410-286100-1 MS	MW-81	84.8	88.5	83.7	83.9	72.7	69.2	58.5	66.9
410-286100-1 MS - RE	MW-81								
410-286100-1 MSD	MW-81	67.9	74.7	77.9	73.1	83.6	94.2	82.6	90.9
410-286100-1 MSD - RE	MW-81								
410-286100-2	MW-82A	102	103	101	96.7	93.5	97.6	79.3	76.3
410-286100-3	MW-82B	101 cn	104 cn	95.1 cn	99.0 cn	101 cn	96.7 cn	85.8 cn	83.2 cn
410-286100-4	MW-60	101 cn	99.0 cn	97.9 cn	96.1 cn	93.1 cn	93.4 cn	82.2 cn	75.6 cn
410-286100-5	MW-50A	103 cn	105 cn	97.4 cn	97.9 cn	95.5 cn	95.4 cn	82.6 cn	78.1 cn
410-286100-6	MW-50B	97.4 cn	99.5 cn	93.5 cn	92.3 cn	93.8 cn	85.4 cn	78.0 cn	76.2 cn
410-286100-7	MW-49A	98.9	98.3	98.0	95.2	101	97.5	84.5	79.7
410-286100-8	MW-49B	98.2	97.5	97.8	92.6	89.7	87.4	75.1	72.4
410-286100-9	MW-14	96.4 cn	96.0 cn	94.3 cn	89.5 cn	95.9 cn	89.1 cn	79.0 cn	67.1 cn
410-286100-10	MW-15	104	99.4	99.8	96.9	101	99.6	85.3	83.2
410-286100-11	MW-28A	108	108	105	98.5	99.7	90.3	59.6	40.3
410-286100-12	Duplicate 3	104	98.1	96.5	97.6	94.1	88.3	61.6	49.1
410-286100-13	MW-28B	93.1	92.3	88.5	90.0	93.7	91.2	77.1	77.7
410-286100-14	MW-28C	95.9	96.6	99.0	101	99.2	96.4	87.2	92.6
410-286100-15	MW-52	96.8	96.6	92.8	93.1	94.9	89.9	77.5	76.2
410-286100-16	MW-51A	96.3	96.2	89.0	89.0	86.0	88.3	73.1	76.5
410-286100-17	MW-51B	97.4	102	98.9	95.4	93.6	90.8	79.8	80.2
410-286100-18	MW-79A	98.9	96.6	88.4	85.5	86.9	87.7	80.4	91.1
410-286100-19	MW-79B	93.9	101	93.0	94.8	92.7	90.4	82.1	81.5
410-286100-20	Field Blank	100	99.4	95.1	96.9	99.3	95.6	82.0	87.8
LCS 410-833762/19-A	Lab Control Sample	81.3	84.6	86.5	91.6	85.7	89.5	78.5	85.7
LCS 410-834181/14-A	Lab Control Sample	99.4	105	96.2	98.7	96.5	94.4	85.7	87.3
LCS 410-835472/22-A	Lab Control Sample	107	104	96.2	95.0	89.4	87.3	82.7	85.0
LCSD 410-834181/15-A	Lab Control Sample Dup	103	100	97.2	92.3	84.7	88.7	76.3	80.5
LLCS 410-833762/20-A	Lab Control Sample	74.4	86.0	84.2	86.6	84.1	91.3	77.7	80.4
LLCS 410-834181/16-A	Lab Control Sample	97.3	101	97.1	96.2	89.6	89.4	77.2	80.6
LLCS 410-835472/23-A	Lab Control Sample	117	113	100	95.8	90.0	87.8	81.0	79.8
MB 410-833762/18-A	Method Blank	76.9	84.7	81.8	83.3	84.5	84.4	76.5	83.3
MB 410-834181/13-A	Method Blank	95.6	94.4	88.1	91.4	86.8	85.1	78.5	80.9
MB 410-835472/21-A	Method Blank	107	107	94.4	89.7	85.0	83.5	74.8	76.5
Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFTDA (10-130)	C3PFBS (40-135)	C3PFHS (40-130)	C8PFOS (40-130)	PFOSA (40-130)	d3NMFOS (40-170)	d5NEFOS (25-135)	M242FTS (40-200)
410-286100-1	MW-81	34.5	81.9	78.3	75.8	61.6	70.0	55.4	72.7
410-286100-1 - RE	MW-81								
410-286100-1 MS	MW-81	63.8	83.4	75.0	73.0	67.0	79.6	76.3	74.2
410-286100-1 MS - RE	MW-81								
410-286100-1 MSD	MW-81	89.2	77.9	89.2	98.8	82.8	107	106	71.5
410-286100-1 MSD - RE	MW-81								
410-286100-2	MW-82A	75.0	97.3	91.5	85.2	79.6	66.4	61.0	73.6 ^c cn
410-286100-3	MW-82B	26.3 cn	104 cn	96.8 cn	88.8 cn	83.2 cn	70.7 cn	67.0 cn	79.2 ^c cn
410-286100-4	MW-60	17.8 cn	102 cn	96.5 cn	87.5 cn	61.6 cn	93.0 cn	68.6 cn	75.4 ^c cn

Eurofins Lancaster Laboratories Environment Testing, LLC

Isotope Dilution Summary

Client: Groundwater & Environmental Services Inc

Job ID: 410-286100-1

Project/Site: GTAC-Bishop Tube HSCA Site

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFTDA (10-130)	C3PFBS (40-135)	C3PFHS (40-130)	C8PFOS (40-130)	PFOSA (40-130)	d3NMFOS (40-170)	d5NEFOS (25-135)	M242FTS (40-200)
410-286100-5	MW-50A	29.2 cn	103 cn	96.4 cn	91.8 cn	83.8 cn	78.7 cn	66.1 cn	71.5 ^c cn
410-286100-6	MW-50B	26.1 cn	90.1 cn	86.8 cn	82.6 cn	66.7 cn	74.4 cn	58.7 cn	81.1 ^c cn
410-286100-7	MW-49A	67.4	105	101	94.8	82.0	78.7	74.2	139 ^c cn
410-286100-8	MW-49B	70.7	95.1	89.8	83.7	72.4	60.7	55.8	62.1 ^c cn
410-286100-9	MW-14	24.4 cn	100 cn	90.0 cn	81.1 cn	62.0 cn	77.3 cn	60.8 cn	128 ^c cn
410-286100-10	MW-15	71.2	108	97.6	92.1	86.0	75.6	73.1	107 ^c cn
410-286100-11	MW-28A	30.8	116	92.8	47.9	54.3	51.3	46.6	122 ^c cn
410-286100-12	Duplicate 3	28.2	111	84.5	51.2	65.2	52.8	46.8	110 ^c cn
410-286100-13	MW-28B	67.3	97.3	86.8	88.4	78.1	68.9	65.6	77.1 ^c cn
410-286100-14	MW-28C	76.9	103	96.8	98.1	88.7	87.3	78.5	104 ^c cn
410-286100-15	MW-52	63.1	102	94.4	88.3	78.6	69.0	65.5	78.4 ^c cn
410-286100-16	MW-51A	64.9	98.1	85.4	82.6	76.2	67.5	67.9	85.2 ^c cn
410-286100-17	MW-51B	66.8	99.7	92.7	87.1	82.5	81.8	76.7	80.9 ^c cn
410-286100-18	MW-79A	89.2	88.5	86.6	96.0	81.9	68.8	62.6	61.4 ^c cn
410-286100-19	MW-79B	68.2	97.4	93.3	92.6	88.5	90.8	77.7	129 ^c cn
410-286100-20	Field Blank	82.9	92.3	89.7	89.3	88.4	71.3	71.8	63.5 ^c cn
LCS 410-833762/19-A	Lab Control Sample	72.0	89.9	85.2	94.7	82.5	96.1	96.2	76.3
LCS 410-834181/14-A	Lab Control Sample	78.3	94.8	94.1	91.2	84.6	68.2	64.8	68.8
LCS 410-835472/22-A	Lab Control Sample	71.7	95.7	91.1	83.4	79.7	60.9	58.7	79.2
LCSD 410-834181/15-A	Lab Control Sample Dup	72.8	87.4	83.4	80.8	83.7	64.7	64.4	67.9
LLCS 410-833762/20-A	Lab Control Sample	79.1	84.6	88.8	91.6	78.6	97.2	95.1	70.6
LLCS 410-834181/16-A	Lab Control Sample	71.0	90.7	89.4	89.0	84.1	68.7	70.3	68.0
LLCS 410-835472/23-A	Lab Control Sample	68.6	95.5	88.1	80.0	84.4	58.1	55.0	88.0
MB 410-833762/18-A	Method Blank	71.5	87.0	90.1	85.4	78.7	93.3	93.2	77.7
MB 410-834181/13-A	Method Blank	70.0	85.9	88.0	86.7	81.7	68.4	64.8	66.5
MB 410-835472/21-A	Method Blank	65.0	93.7	82.6	73.5	77.8	55.6	54.6	89.2
Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		M262FTS (40-200)	M282FTS (40-300)	HFPODA (40-130)	NMFM (10-130)	NEFM (10-130)	d5NPFSA (10-130)	d3NMFSA (10-130)	PFDaA (10-130)
410-286100-1	MW-81	72.6	82.2	71.3			38.3	43.4	45.3
410-286100-1 - RE	MW-81				67.1 cn	61.2 cn			
410-286100-1 MS	MW-81	67.4	93.4	80.5			61.3	62.7	64.0
410-286100-1 MS - RE	MW-81				74.6 cn	70.7 cn			
410-286100-1 MSD	MW-81	83.7	132	69.4			80.0	78.2	95.3
410-286100-1 MSD - RE	MW-81				65.1 cn	60.3 cn			
410-286100-2	MW-82A	70.9 ^c cn	71.5	94.8	61.2	59.0	65.7	66.5	78.1
410-286100-3	MW-82B	115 ^c cn	89.0 cn	91.7 cn	43.3 cn	34.5 cn	38.3 cn	46.6 cn	67.5 cn
410-286100-4	MW-60	122 ^c cn	97.7 cn	90.0 cn	35.0 cn	26.7 cn	28.3 cn	36.2 cn	60.1 cn
410-286100-5	MW-50A	105 ^c cn	87.7 cn	92.0 cn	39.7 cn	32.2 cn	36.7 cn	44.8 cn	64.8 cn
410-286100-6	MW-50B	98.7 ^c cn	77.8 cn	87.6 cn	39.2 cn	29.9 cn	30.1 cn	38.1 cn	61.1 cn
410-286100-7	MW-49A	97.3 ^c cn	94.7	89.2	60.5	54.5	65.0	69.1	77.5

Eurofins Lancaster Laboratories Environment Testing, LLC

Isotope Dilution Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		M262FTS (40-200)	M282FTS (40-300)	HFPODA (40-130)	NMFM (10-130)	NEFM (10-130)	d5NPFSA (10-130)	d3NMFSFA (10-130)	PFDof (10-130)
410-286100-8	MW-49B	62.5 ^c cn	57.4	88.0	56.8	49.4	56.8	59.7	73.7
410-286100-9	MW-14	119 ^c cn	87.8 cn	85.7 cn	32.7 cn	23.4 cn	24.4 cn	31.8 cn	50.0 cn
410-286100-10	MW-15	90.9 ^c cn	81.9	92.7	65.3	60.5	69.8	72.9	78.9
410-286100-11	MW-28A	84.2 ^c cn	66.3	96.2	39.2	41.0	40.7	43.3	31.0
410-286100-12	Duplicate 3	76.3 ^c cn	65.4	88.9	45.4	41.3	45.5	49.4	35.9
410-286100-13	MW-28B	67.6 ^c cn	84.7	81.8	60.4	54.9	66.6	66.6	75.5
410-286100-14	MW-28C	83.6 ^c cn	99.1	93.9	80.4	72.8	72.9	75.1	92.5
410-286100-15	MW-52	67.5 ^c cn	84.5	88.9	63.9	58.5	65.9	70.2	74.8
410-286100-16	MW-51A	68.7 ^c cn	78.6	83.5	65.5	62.1	65.6	65.8	73.0
410-286100-17	MW-51B	72.3 ^c cn	77.5	92.7	69.2	64.1	70.8	73.1	79.8
410-286100-18	MW-79A	59.3 ^c cn	70.3	85.1	78.1	71.5	72.9	73.9	90.6
410-286100-19	MW-79B	75.4 ^c cn	88.4	85.8	73.4	65.0	69.7	73.7	80.5
410-286100-20	Field Blank	63.9 ^c cn	78.8	94.9	79.6	76.9	69.1	73.1	87.5
LCS 410-833762/19-A	Lab Control Sample	81.3	131	79.5	62.3	54.1	66.9	69.4	86.0
LCS 410-834181/14-A	Lab Control Sample	74.5	83.1	96.7	75.6	71.0	64.6	67.6	87.7
LCS 410-835472/22-A	Lab Control Sample	75.2	77.0	97.5	58.4	50.3	55.4	56.2	84.0
LCSD 410-834181/15-A	Lab Control Sample Dup	65.3	73.0	91.4	76.1	70.4	66.9	69.4	83.1
LLCS 410-833762/20-A	Lab Control Sample	88.1	129	80.9	48.4	42.0	64.8	64.0	83.4
LLCS 410-834181/16-A	Lab Control Sample	70.2	82.3	90.4	68.8	62.8	68.9	71.4	82.4
LLCS 410-835472/23-A	Lab Control Sample	79.5	83.8	102	50.7	45.4	56.5	58.2	78.6
MB 410-833762/18-A	Method Blank	85.4	132	77.4	43.7	36.2	63.0	62.8	77.6
MB 410-834181/13-A	Method Blank	70.1	87.6	85.4	67.9	62.5	68.2	70.2	77.6
MB 410-835472/21-A	Method Blank	78.6	81.1	95.0	60.4	55.3	52.1	53.3	76.7
Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		3-3:3 FTC/ (20-150)	3-5:3 FTC/ (20-150)	3C3-PFDof (20-150)					
410-286100-1	MW-81	82.4	78.6	34.9					
410-286100-1 - RE	MW-81								
410-286100-1 MS	MW-81	99.0	80.3	65.4					
410-286100-1 MS - RE	MW-81								
410-286100-1 MSD	MW-81	75.2	71.4	87.9					
410-286100-1 MSD - RE	MW-81								
410-286100-2	MW-82A	120	97.1	63.6					
410-286100-3	MW-82B	115 cn	92.2 cn	24.5 cn					
410-286100-4	MW-60	117 cn	96.1 cn	22.5 cn					
410-286100-5	MW-50A	114 cn	91.8 cn	30.8 cn					
410-286100-6	MW-50B	121 cn	99.7 cn	26.1 cn					
410-286100-7	MW-49A	128	107	65.6					
410-286100-8	MW-49B	119	97.0	62.1					
410-286100-9	MW-14	130 cn	101 cn	24.9 cn					
410-286100-10	MW-15	132	107	67.5					

Eurofins Lancaster Laboratories Environment Testing, LLC

Isotope Dilution Summary

Client: Groundwater & Environmental Services Inc

Job ID: 410-286100-1

Project/Site: GTAC-Bishop Tube HSCA Site

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)		
		¹³ 3-3:3 FTC/ (20-150)	¹³ 3-5:3 FTC/ (20-150)	¹³ C3-PFDoS (20-150)
410-286100-11	MW-28A	137	109	27.8
410-286100-12	Duplicate 3	125	97.4	22.8
410-286100-13	MW-28B	112	89.4	65.7
410-286100-14	MW-28C	129	109	71.1
410-286100-15	MW-52	121	86.0	57.9
410-286100-16	MW-51A	115	89.7	62.6
410-286100-17	MW-51B	132	107	67.6
410-286100-18	MW-79A	128	85.3	80.6
410-286100-19	MW-79B	131	108	68.9
410-286100-20	Field Blank	104	94.6	73.4
LCS 410-833762/19-A	Lab Control Sample	92.6	70.4	76.9
LCS 410-834181/14-A	Lab Control Sample	120	91.3	72.4
LCS 410-835472/22-A	Lab Control Sample	137	98.8	65.4
LCSD 410-834181/15-A	Lab Control Sample Dup	122	99.3	61.6
LLCS 410-833762/20-A	Lab Control Sample	88.5	66.7	76.1
LLCS 410-834181/16-A	Lab Control Sample	126	96.6	70.6
LLCS 410-835472/23-A	Lab Control Sample	151 *5+	101	57.6
MB 410-833762/18-A	Method Blank	84.0	62.8	73.7
MB 410-834181/13-A	Method Blank	122	87.1	64.1
MB 410-835472/21-A	Method Blank	138	94.2	58.5

Surrogate Legend

PFBA = ¹³C4 PFBA
 PFPeA = ¹³C5 PFPeA
¹³C5PHA = ¹³C5 PFHxA
 C4PFHA = ¹³C4 PFHpA
 C8PFOA = ¹³C8 PFOA
 C9PFNA = ¹³C9 PFNA
 C6PFDA = ¹³C6 PFDA
¹³C7PUA = ¹³C7 PFUnA
 PFTDA = ¹³C2 PFTeDA
 C3PFBS = ¹³C3 PFBS
 C3PFHS = ¹³C3 PFHxS
 C8PFOS = ¹³C8 PFOS
 PFOSA = ¹³C8 FOSA
 d3NMFOS = d3-NMeFOSAA
 d5NEFOS = d5-NEtFOSAA
 M242FTS = ¹³C2 4:2 FTS
 M262FTS = ¹³C2 6:2 FTS
 M282FTS = ¹³C2 8:2 FTS
 HFPODA = ¹³C3 HFPO-DA
 NMFM = d7-N-MeFOSE-M
 NEFM = d9-N-EtFOSE-M
 d5NPFSA = d5-NEtPFOSA
 d3NMFSA = d3-NMePFOSA
 PFDoA = ¹³C2 PFDoA
 C3-3:3 FTCA = ¹³C3-3:3 FTCA
 C3-5:3 FTCA = ¹³C3-5:3 FTCA
¹³C3-PFDoS = ¹³C3-PFDoS

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 410-830737/7

Matrix: Water

Analysis Batch: 830737

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/06/26 10:23	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/06/26 10:23	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/06/26 10:23	1
Styrene	ND		5.0	0.30	ug/L			06/06/26 10:23	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/06/26 10:23	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/06/26 10:23	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/06/26 10:23	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/06/26 10:23	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/06/26 10:23	1
Toluene	ND		1.0	0.30	ug/L			06/06/26 10:23	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/06/26 10:23	1
Cyclohexane	ND		5.0	1.0	ug/L			06/06/26 10:23	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/06/26 10:23	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/06/26 10:23	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/06/26 10:23	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/06/26 10:23	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/06/26 10:23	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/06/26 10:23	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/06/26 10:23	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/06/26 10:23	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/06/26 10:23	1
2-Hexanone	ND		10	0.85	ug/L			06/06/26 10:23	1
Acetone	ND		20	0.70	ug/L			06/06/26 10:23	1
Chloroform	ND		1.0	0.30	ug/L			06/06/26 10:23	1
Benzene	ND		1.0	0.30	ug/L			06/06/26 10:23	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/06/26 10:23	1
Bromomethane	ND		1.0	0.30	ug/L			06/06/26 10:23	1
Chloromethane	ND		2.0	0.55	ug/L			06/06/26 10:23	1
Chloroethane	ND		1.0	0.30	ug/L			06/06/26 10:23	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/06/26 10:23	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/06/26 10:23	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/06/26 10:23	1
Bromoform	ND		4.0	1.0	ug/L			06/06/26 10:23	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/06/26 10:23	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/06/26 10:23	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/06/26 10:23	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/06/26 10:23	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/06/26 10:23	1
Freon 113	ND		10	0.30	ug/L			06/06/26 10:23	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/06/26 10:23	1
2-Butanone	ND		10	1.0	ug/L			06/06/26 10:23	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/06/26 10:23	1
Trichloroethene	ND		1.0	0.30	ug/L			06/06/26 10:23	1
Methyl acetate	ND		5.0	0.60	ug/L			06/06/26 10:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/06/26 10:23	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/06/26 10:23	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/06/26 10:23	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/06/26 10:23	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-830737/7

Matrix: Water

Analysis Batch: 830737

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		80 - 120		06/06/26 10:23	1
Dibromofluoromethane (Surr)	96		80 - 120		06/06/26 10:23	1
4-Bromofluorobenzene (Surr)	98		80 - 120		06/06/26 10:23	1
Toluene-d8 (Surr)	103		80 - 120		06/06/26 10:23	1

Lab Sample ID: LCS 410-830737/4

Matrix: Water

Analysis Batch: 830737

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	20.0	17.7		ug/L		89	75 - 120
trans-1,3-Dichloropropene	20.0	19.8		ug/L		99	67 - 120
Ethylbenzene	20.0	20.2		ug/L		101	80 - 120
Styrene	20.0	19.2		ug/L		96	80 - 120
1,4-Dichlorobenzene	20.0	19.7		ug/L		98	80 - 120
1,2-Dibromoethane	20.0	19.8		ug/L		99	77 - 120
1,2-Dichloroethane	20.0	20.1		ug/L		101	73 - 124
4-Methyl-2-pentanone	250	264		ug/L		106	62 - 133
Methylcyclohexane	20.0	15.9		ug/L		80	60 - 121
Toluene	20.0	20.4		ug/L		102	80 - 120
Chlorobenzene	20.0	19.1		ug/L		96	80 - 120
Cyclohexane	20.0	18.2		ug/L		91	60 - 126
1,2,4-Trichlorobenzene	20.0	19.2		ug/L		96	63 - 127
Dibromochloromethane	20.0	18.4		ug/L		92	71 - 120
Xylenes, Total	60.0	58.9		ug/L		98	80 - 120
Tetrachloroethene	20.0	17.8		ug/L		89	80 - 120
cis-1,2-Dichloroethene	20.0	19.1		ug/L		95	80 - 125
trans-1,2-Dichloroethene	20.0	18.8		ug/L		94	80 - 126
Methyl tertiary butyl ether	20.0	19.5		ug/L		97	69 - 122
1,3-Dichlorobenzene	20.0	19.4		ug/L		97	80 - 120
Carbon tetrachloride	20.0	17.2		ug/L		86	64 - 134
2-Hexanone	250	286		ug/L		114	56 - 143
Acetone	250	223		ug/L		89	57 - 150
Chloroform	20.0	18.8		ug/L		94	72 - 120
Benzene	20.0	19.0		ug/L		95	80 - 120
1,1,1-Trichloroethane	20.0	18.4		ug/L		92	73 - 120
Bromomethane	20.0	18.8		ug/L		94	61 - 128
Chloromethane	20.0	20.7		ug/L		103	48 - 134
Chloroethane	20.0	21.4		ug/L		107	67 - 123
Vinyl chloride	20.0	19.1		ug/L		95	56 - 120
Methylene Chloride	20.0	19.1		ug/L		95	80 - 120
Carbon disulfide	20.0	13.6		ug/L		68	55 - 139
Bromoform	20.0	16.9		ug/L		85	63 - 128
Bromodichloromethane	20.0	18.4		ug/L		92	71 - 120
1,1-Dichloroethane	20.0	20.2		ug/L		101	80 - 126
1,1-Dichloroethene	20.0	19.4		ug/L		97	80 - 131
Trichlorofluoromethane	20.0	12.7		ug/L		63	57 - 120
Dichlorodifluoromethane	20.0	11.5		ug/L		57	40 - 127

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-830737/4

Matrix: Water

Analysis Batch: 830737

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Freon 113	20.0	16.3		ug/L		81	57 - 122
1,2-Dichloropropane	20.0	19.3		ug/L		97	80 - 120
2-Butanone	250	245		ug/L		98	59 - 135
1,1,2-Trichloroethane	20.0	20.4		ug/L		102	80 - 120
Trichloroethene	20.0	18.1		ug/L		91	80 - 120
Methyl acetate	20.0	20.5		ug/L		103	55 - 157
1,1,2,2-Tetrachloroethane	20.0	21.3		ug/L		106	72 - 127
1,2-Dichlorobenzene	20.0	19.4		ug/L		97	80 - 120
1,2-Dibromo-3-Chloropropane	20.0	18.3		ug/L		91	60 - 120
Isopropylbenzene	20.0	19.8		ug/L		99	80 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	107		80 - 120
Dibromofluoromethane (Surr)	97		80 - 120
4-Bromofluorobenzene (Surr)	102		80 - 120
Toluene-d8 (Surr)	106		80 - 120

Lab Sample ID: LCSD 410-830737/5

Matrix: Water

Analysis Batch: 830737

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	20.0	17.9		ug/L		90	75 - 120	1	30
trans-1,3-Dichloropropene	20.0	20.1		ug/L		100	67 - 120	1	30
Ethylbenzene	20.0	20.7		ug/L		104	80 - 120	3	30
Styrene	20.0	19.6		ug/L		98	80 - 120	2	30
1,4-Dichlorobenzene	20.0	19.5		ug/L		97	80 - 120	1	30
1,2-Dibromoethane	20.0	20.3		ug/L		101	77 - 120	3	30
1,2-Dichloroethane	20.0	20.1		ug/L		100	73 - 124	0	30
4-Methyl-2-pentanone	250	265		ug/L		106	62 - 133	0	30
Methylcyclohexane	20.0	16.3		ug/L		82	60 - 121	2	30
Toluene	20.0	20.7		ug/L		104	80 - 120	2	30
Chlorobenzene	20.0	20.1		ug/L		101	80 - 120	5	30
Cyclohexane	20.0	18.4		ug/L		92	60 - 126	1	30
1,2,4-Trichlorobenzene	20.0	18.7		ug/L		93	63 - 127	3	30
Dibromochloromethane	20.0	18.6		ug/L		93	71 - 120	2	30
Xylenes, Total	60.0	60.8		ug/L		101	80 - 120	3	30
Tetrachloroethene	20.0	18.3		ug/L		92	80 - 120	3	30
cis-1,2-Dichloroethene	20.0	18.9		ug/L		95	80 - 125	1	30
trans-1,2-Dichloroethene	20.0	19.0		ug/L		95	80 - 126	1	30
Methyl tertiary butyl ether	20.0	19.4		ug/L		97	69 - 122	0	30
1,3-Dichlorobenzene	20.0	19.4		ug/L		97	80 - 120	0	30
Carbon tetrachloride	20.0	18.3		ug/L		92	64 - 134	6	30
2-Hexanone	250	289		ug/L		116	56 - 143	1	30
Acetone	250	222		ug/L		89	57 - 150	0	30
Chloroform	20.0	19.3		ug/L		97	72 - 120	3	30
Benzene	20.0	19.2		ug/L		96	80 - 120	1	30
1,1,1-Trichloroethane	20.0	19.2		ug/L		96	73 - 120	4	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-830737/5

Matrix: Water

Analysis Batch: 830737

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromomethane	20.0	19.3		ug/L		97	61 - 128	3	30
Chloromethane	20.0	21.1		ug/L		105	48 - 134	2	30
Chloroethane	20.0	22.1		ug/L		111	67 - 123	3	30
Vinyl chloride	20.0	20.5		ug/L		103	56 - 120	7	30
Methylene Chloride	20.0	19.6		ug/L		98	80 - 120	3	30
Carbon disulfide	20.0	12.7		ug/L		63	55 - 139	7	30
Bromoform	20.0	17.0		ug/L		85	63 - 128	0	30
Bromodichloromethane	20.0	18.6		ug/L		93	71 - 120	1	30
1,1-Dichloroethane	20.0	20.8		ug/L		104	80 - 126	3	30
1,1-Dichloroethene	20.0	20.3		ug/L		101	80 - 131	4	30
Trichlorofluoromethane	20.0	13.7		ug/L		69	57 - 120	8	30
Dichlorodifluoromethane	20.0	11.9		ug/L		59	40 - 127	4	30
Freon 113	20.0	16.7		ug/L		83	57 - 122	2	30
1,2-Dichloropropane	20.0	19.6		ug/L		98	80 - 120	2	30
2-Butanone	250	244		ug/L		98	59 - 135	0	30
1,1,2-Trichloroethane	20.0	20.8		ug/L		104	80 - 120	2	30
Trichloroethene	20.0	18.6		ug/L		93	80 - 120	2	30
Methyl acetate	20.0	20.2		ug/L		101	55 - 157	2	30
1,1,2,2-Tetrachloroethane	20.0	20.7		ug/L		104	72 - 127	3	30
1,2-Dichlorobenzene	20.0	19.4		ug/L		97	80 - 120	0	30
1,2-Dibromo-3-Chloropropane	20.0	18.7		ug/L		94	60 - 120	2	30
Isopropylbenzene	20.0	20.5		ug/L		103	80 - 132	4	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	96		80 - 120
4-Bromofluorobenzene (Surr)	103		80 - 120
Toluene-d8 (Surr)	106		80 - 120

Lab Sample ID: MB 410-833919/7

Matrix: Water

Analysis Batch: 833919

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/11/26 23:31	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/11/26 23:31	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/11/26 23:31	1
Styrene	ND		5.0	0.30	ug/L			06/11/26 23:31	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/11/26 23:31	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/11/26 23:31	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/11/26 23:31	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/11/26 23:31	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/11/26 23:31	1
Toluene	ND		1.0	0.30	ug/L			06/11/26 23:31	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/11/26 23:31	1
Cyclohexane	ND		5.0	1.0	ug/L			06/11/26 23:31	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/11/26 23:31	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/11/26 23:31	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-833919/7

Matrix: Water

Analysis Batch: 833919

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		1.0	0.40	ug/L			06/11/26 23:31	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/11/26 23:31	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/11/26 23:31	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/11/26 23:31	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/11/26 23:31	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/11/26 23:31	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/11/26 23:31	1
2-Hexanone	ND		10	0.85	ug/L			06/11/26 23:31	1
Acetone	ND		20	0.70	ug/L			06/11/26 23:31	1
Chloroform	ND		1.0	0.30	ug/L			06/11/26 23:31	1
Benzene	ND		1.0	0.30	ug/L			06/11/26 23:31	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/11/26 23:31	1
Bromomethane	ND		1.0	0.30	ug/L			06/11/26 23:31	1
Chloromethane	ND		2.0	0.55	ug/L			06/11/26 23:31	1
Chloroethane	ND		1.0	0.30	ug/L			06/11/26 23:31	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/11/26 23:31	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/11/26 23:31	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/11/26 23:31	1
Bromoform	ND		4.0	1.0	ug/L			06/11/26 23:31	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/11/26 23:31	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/11/26 23:31	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/11/26 23:31	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/11/26 23:31	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/11/26 23:31	1
Freon 113	ND		10	0.30	ug/L			06/11/26 23:31	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/11/26 23:31	1
2-Butanone	ND		10	1.0	ug/L			06/11/26 23:31	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/11/26 23:31	1
Trichloroethene	ND		1.0	0.30	ug/L			06/11/26 23:31	1
Methyl acetate	ND		5.0	0.60	ug/L			06/11/26 23:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/11/26 23:31	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/11/26 23:31	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/11/26 23:31	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/11/26 23:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		06/11/26 23:31	1
Dibromofluoromethane (Surr)	101		80 - 120		06/11/26 23:31	1
4-Bromofluorobenzene (Surr)	101		80 - 120		06/11/26 23:31	1
Toluene-d8 (Surr)	101		80 - 120		06/11/26 23:31	1

Lab Sample ID: LCS 410-833919/4

Matrix: Water

Analysis Batch: 833919

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	20.0	19.4		ug/L		97	75 - 120
trans-1,3-Dichloropropene	20.0	19.7		ug/L		99	67 - 120

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-833919/4

Matrix: Water

Analysis Batch: 833919

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	20.0	21.2		ug/L		106	80 - 120
Styrene	20.0	21.8		ug/L		109	80 - 120
1,4-Dichlorobenzene	20.0	21.0		ug/L		105	80 - 120
1,2-Dibromoethane	20.0	20.7		ug/L		103	77 - 120
1,2-Dichloroethane	20.0	21.4		ug/L		107	73 - 124
4-Methyl-2-pentanone	250	262		ug/L		105	62 - 133
Methylcyclohexane	20.0	22.3		ug/L		112	60 - 121
Toluene	20.0	21.1		ug/L		106	80 - 120
Chlorobenzene	20.0	21.3		ug/L		107	80 - 120
Cyclohexane	20.0	22.0		ug/L		110	60 - 126
1,2,4-Trichlorobenzene	20.0	23.3		ug/L		117	63 - 127
Dibromochloromethane	20.0	20.4		ug/L		102	71 - 120
Xylenes, Total	60.0	63.3		ug/L		105	80 - 120
Tetrachloroethene	20.0	21.5		ug/L		107	80 - 120
cis-1,2-Dichloroethene	20.0	20.9		ug/L		105	80 - 125
trans-1,2-Dichloroethene	20.0	22.3		ug/L		111	80 - 126
Methyl tertiary butyl ether	20.0	19.9		ug/L		99	69 - 122
1,3-Dichlorobenzene	20.0	21.6		ug/L		108	80 - 120
Carbon tetrachloride	20.0	22.0		ug/L		110	64 - 134
2-Hexanone	250	262		ug/L		105	56 - 143
Acetone	250	259		ug/L		104	57 - 150
Chloroform	20.0	20.4		ug/L		102	72 - 120
Benzene	20.0	21.1		ug/L		105	80 - 120
1,1,1-Trichloroethane	20.0	21.8		ug/L		109	73 - 120
Bromomethane	20.0	16.2		ug/L		81	61 - 128
Chloromethane	20.0	12.7		ug/L		64	48 - 134
Chloroethane	20.0	15.2		ug/L		76	67 - 123
Vinyl chloride	20.0	13.8		ug/L		69	56 - 120
Methylene Chloride	20.0	21.6		ug/L		108	80 - 120
Carbon disulfide	20.0	20.9		ug/L		105	55 - 139
Bromoform	20.0	19.3		ug/L		97	63 - 128
Bromodichloromethane	20.0	20.5		ug/L		103	71 - 120
1,1-Dichloroethane	20.0	21.9		ug/L		110	80 - 126
1,1-Dichloroethene	20.0	22.5		ug/L		112	80 - 131
Trichlorofluoromethane	20.0	14.9		ug/L		75	57 - 120
Dichlorodifluoromethane	20.0	9.98		ug/L		50	40 - 127
Freon 113	20.0	23.6		ug/L		118	57 - 122
1,2-Dichloropropane	20.0	21.0		ug/L		105	80 - 120
2-Butanone	250	269		ug/L		108	59 - 135
1,1,2-Trichloroethane	20.0	21.2		ug/L		106	80 - 120
Trichloroethene	20.0	21.4		ug/L		107	80 - 120
Methyl acetate	20.0	23.3		ug/L		116	55 - 157
1,1,2,2-Tetrachloroethane	20.0	20.3		ug/L		102	72 - 127
1,2-Dichlorobenzene	20.0	21.5		ug/L		108	80 - 120
1,2-Dibromo-3-Chloropropane	20.0	20.0		ug/L		100	60 - 120
Isopropylbenzene	20.0	24.1		ug/L		121	80 - 132

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-833919/4

Matrix: Water

Analysis Batch: 833919

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	99		80 - 120
Toluene-d8 (Surr)	101		80 - 120

Lab Sample ID: 410-286100-1 MS

Matrix: Water

Analysis Batch: 833919

Client Sample ID: MW-81

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	ND		20.0	19.7		ug/L		98	75 - 120
trans-1,3-Dichloropropene	ND		20.0	20.2		ug/L		101	67 - 120
Ethylbenzene	ND		20.0	22.3		ug/L		111	80 - 120
Styrene	ND		20.0	22.2		ug/L		111	80 - 120
1,4-Dichlorobenzene	ND		20.0	21.7		ug/L		108	80 - 120
1,2-Dibromoethane	ND		20.0	21.1		ug/L		105	77 - 120
1,2-Dichloroethane	ND		20.0	21.5		ug/L		107	73 - 124
4-Methyl-2-pentanone	ND		250	267		ug/L		107	62 - 133
Methylcyclohexane	ND	^c cn	20.0	24.1		ug/L		120	60 - 121
Toluene	ND		20.0	21.9		ug/L		109	80 - 120
Chlorobenzene	ND		20.0	22.0		ug/L		110	80 - 120
Cyclohexane	ND		20.0	24.3		ug/L		121	60 - 126
1,2,4-Trichlorobenzene	ND		20.0	22.2		ug/L		111	63 - 127
Dibromochloromethane	ND		20.0	20.2		ug/L		101	71 - 120
Xylenes, Total	ND		60.0	66.4		ug/L		111	80 - 120
Tetrachloroethene	1.9		20.0	25.3		ug/L		117	80 - 120
cis-1,2-Dichloroethene	23		20.0	43.0		ug/L		101	80 - 125
trans-1,2-Dichloroethene	ND		20.0	23.0		ug/L		115	80 - 126
Methyl tertiary butyl ether	ND		20.0	20.8		ug/L		104	69 - 122
1,3-Dichlorobenzene	ND		20.0	22.0		ug/L		110	80 - 120
Carbon tetrachloride	ND		20.0	23.7		ug/L		118	64 - 134
2-Hexanone	ND		250	268		ug/L		107	56 - 143
Acetone	ND		250	239		ug/L		96	57 - 150
Chloroform	ND		20.0	20.8		ug/L		104	72 - 120
Benzene	ND		20.0	21.7		ug/L		108	80 - 120
1,1,1-Trichloroethane	2.9		20.0	26.7		ug/L		119	73 - 120
Bromomethane	ND		20.0	17.5		ug/L		88	61 - 128
Chloromethane	ND		20.0	13.8		ug/L		69	48 - 134
Chloroethane	ND		20.0	16.9		ug/L		84	67 - 123
Vinyl chloride	ND		20.0	16.0		ug/L		80	56 - 120
Methylene Chloride	ND		20.0	21.8		ug/L		109	80 - 120
Carbon disulfide	ND		20.0	23.5		ug/L		118	55 - 139
Bromoform	ND		20.0	19.6		ug/L		98	63 - 128
Bromodichloromethane	ND		20.0	21.2		ug/L		106	71 - 120
1,1-Dichloroethane	10		20.0	32.3		ug/L		111	80 - 126
1,1-Dichloroethene	3.0		20.0	27.9		ug/L		124	80 - 131
Trichlorofluoromethane	ND		20.0	17.0		ug/L		85	57 - 120
Dichlorodifluoromethane	ND		20.0	11.0		ug/L		55	40 - 127

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 410-286100-1 MS

Matrix: Water

Analysis Batch: 833919

Client Sample ID: MW-81

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Freon 113	ND	^c FH cn	20.0	26.1	FH	ug/L		130	57 - 122
1,2-Dichloropropane	ND		20.0	21.6		ug/L		108	80 - 120
2-Butanone	ND	^c cn	250	272		ug/L		109	59 - 135
1,1,2-Trichloroethane	ND		20.0	21.1		ug/L		106	80 - 120
Trichloroethene	3.2		20.0	25.7		ug/L		112	80 - 120
Methyl acetate	ND		20.0	24.7		ug/L		123	55 - 157
1,1,2,2-Tetrachloroethane	ND		20.0	20.1		ug/L		101	72 - 127
1,2-Dichlorobenzene	ND		20.0	22.3		ug/L		111	80 - 120
1,2-Dibromo-3-Chloropropane	ND		20.0	19.8		ug/L		99	60 - 120
Isopropylbenzene	ND		20.0	26.0		ug/L		130	80 - 132
Surrogate	MS %Recovery	MS Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	99		80 - 120						
Dibromofluoromethane (Surr)	99		80 - 120						
4-Bromofluorobenzene (Surr)	100		80 - 120						
Toluene-d8 (Surr)	99		80 - 120						

Lab Sample ID: 410-286100-1 MSD

Matrix: Water

Analysis Batch: 833919

Client Sample ID: MW-81

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	ND		20.0	19.7		ug/L		99	75 - 120	0	30
trans-1,3-Dichloropropene	ND		20.0	19.7		ug/L		99	67 - 120	3	30
Ethylbenzene	ND		20.0	22.2		ug/L		111	80 - 120	0	30
Styrene	ND		20.0	22.1		ug/L		110	80 - 120	1	30
1,4-Dichlorobenzene	ND		20.0	21.4		ug/L		107	80 - 120	1	30
1,2-Dibromoethane	ND		20.0	21.1		ug/L		106	77 - 120	0	30
1,2-Dichloroethane	ND		20.0	20.8		ug/L		104	73 - 124	3	30
4-Methyl-2-pentanone	ND		250	258		ug/L		103	62 - 133	3	30
Methylcyclohexane	ND	^c cn	20.0	23.9		ug/L		119	60 - 121	1	30
Toluene	ND		20.0	22.1		ug/L		110	80 - 120	1	30
Chlorobenzene	ND		20.0	21.9		ug/L		110	80 - 120	0	30
Cyclohexane	ND		20.0	23.8		ug/L		119	60 - 126	2	30
1,2,4-Trichlorobenzene	ND		20.0	22.1		ug/L		110	63 - 127	0	30
Dibromochloromethane	ND		20.0	20.5		ug/L		102	71 - 120	1	30
Xylenes, Total	ND		60.0	66.1		ug/L		110	80 - 120	1	30
Tetrachloroethene	1.9		20.0	24.8		ug/L		115	80 - 120	2	30
cis-1,2-Dichloroethene	23		20.0	42.8		ug/L		100	80 - 125	0	30
trans-1,2-Dichloroethene	ND		20.0	22.7		ug/L		114	80 - 126	1	30
Methyl tertiary butyl ether	ND		20.0	20.3		ug/L		101	69 - 122	3	30
1,3-Dichlorobenzene	ND		20.0	22.2		ug/L		111	80 - 120	1	30
Carbon tetrachloride	ND		20.0	23.5		ug/L		117	64 - 134	1	30
2-Hexanone	ND		250	266		ug/L		107	56 - 143	0	30
Acetone	ND		250	241		ug/L		96	57 - 150	1	30
Chloroform	ND		20.0	20.5		ug/L		103	72 - 120	1	30
Benzene	ND		20.0	21.5		ug/L		108	80 - 120	1	30
1,1,1-Trichloroethane	2.9		20.0	25.1		ug/L		111	73 - 120	6	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 410-286100-1 MSD

Matrix: Water

Analysis Batch: 833919

Client Sample ID: MW-81

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromomethane	ND		20.0	16.5		ug/L		83	61 - 128	6	30
Chloromethane	ND		20.0	13.0		ug/L		65	48 - 134	6	30
Chloroethane	ND		20.0	16.6		ug/L		83	67 - 123	1	30
Vinyl chloride	ND		20.0	15.3		ug/L		76	56 - 120	4	30
Methylene Chloride	ND		20.0	21.7		ug/L		108	80 - 120	0	30
Carbon disulfide	ND		20.0	22.8		ug/L		114	55 - 139	3	30
Bromoform	ND		20.0	18.9		ug/L		94	63 - 128	3	30
Bromodichloromethane	ND		20.0	20.7		ug/L		104	71 - 120	2	30
1,1-Dichloroethane	10		20.0	32.2		ug/L		111	80 - 126	0	30
1,1-Dichloroethene	3.0		20.0	26.9		ug/L		119	80 - 131	4	30
Trichlorofluoromethane	ND		20.0	16.2		ug/L		81	57 - 120	5	30
Dichlorodifluoromethane	ND		20.0	10.8		ug/L		54	40 - 127	3	30
Freon 113	ND	^c FH cn	20.0	26.3	FH	ug/L		131	57 - 122	1	30
1,2-Dichloropropane	ND		20.0	21.7		ug/L		109	80 - 120	1	30
2-Butanone	ND	^c cn	250	266		ug/L		107	59 - 135	2	30
1,1,2-Trichloroethane	ND		20.0	20.9		ug/L		105	80 - 120	1	30
Trichloroethene	3.2		20.0	24.5		ug/L		106	80 - 120	5	30
Methyl acetate	ND		20.0	22.5		ug/L		112	55 - 157	9	30
1,1,2,2-Tetrachloroethane	ND		20.0	19.7		ug/L		99	72 - 127	2	30
1,2-Dichlorobenzene	ND		20.0	21.7		ug/L		108	80 - 120	3	30
1,2-Dibromo-3-Chloropropane	ND		20.0	19.5		ug/L		98	60 - 120	2	30
Isopropylbenzene	ND		20.0	26.1		ug/L		130	80 - 132	0	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		80 - 120
Dibromofluoromethane (Surr)	99		80 - 120
4-Bromofluorobenzene (Surr)	100		80 - 120
Toluene-d8 (Surr)	102		80 - 120

Lab Sample ID: MB 410-834116/10

Matrix: Water

Analysis Batch: 834116

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/12/26 09:28	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/12/26 09:28	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/12/26 09:28	1
Styrene	ND		5.0	0.30	ug/L			06/12/26 09:28	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/12/26 09:28	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/12/26 09:28	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/12/26 09:28	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/12/26 09:28	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/12/26 09:28	1
Toluene	ND		1.0	0.30	ug/L			06/12/26 09:28	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/12/26 09:28	1
Cyclohexane	ND		5.0	1.0	ug/L			06/12/26 09:28	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/12/26 09:28	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/12/26 09:28	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-834116/10

Matrix: Water

Analysis Batch: 834116

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		1.0	0.40	ug/L			06/12/26 09:28	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/12/26 09:28	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/12/26 09:28	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/12/26 09:28	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/12/26 09:28	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/12/26 09:28	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/12/26 09:28	1
2-Hexanone	ND		10	0.85	ug/L			06/12/26 09:28	1
Acetone	ND		20	0.70	ug/L			06/12/26 09:28	1
Chloroform	ND		1.0	0.30	ug/L			06/12/26 09:28	1
Benzene	ND		1.0	0.30	ug/L			06/12/26 09:28	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/12/26 09:28	1
Bromomethane	ND		1.0	0.30	ug/L			06/12/26 09:28	1
Chloromethane	ND		2.0	0.55	ug/L			06/12/26 09:28	1
Chloroethane	ND		1.0	0.30	ug/L			06/12/26 09:28	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/12/26 09:28	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/12/26 09:28	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/12/26 09:28	1
Bromoform	ND		4.0	1.0	ug/L			06/12/26 09:28	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/12/26 09:28	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/12/26 09:28	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/12/26 09:28	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/12/26 09:28	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/12/26 09:28	1
Freon 113	ND		10	0.30	ug/L			06/12/26 09:28	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/12/26 09:28	1
2-Butanone	ND		10	1.0	ug/L			06/12/26 09:28	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/12/26 09:28	1
Trichloroethene	ND		1.0	0.30	ug/L			06/12/26 09:28	1
Methyl acetate	ND		5.0	0.60	ug/L			06/12/26 09:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/12/26 09:28	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/12/26 09:28	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/12/26 09:28	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/12/26 09:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		80 - 120		06/12/26 09:28	1
Dibromofluoromethane (Surr)	88		80 - 120		06/12/26 09:28	1
4-Bromofluorobenzene (Surr)	98		80 - 120		06/12/26 09:28	1
Toluene-d8 (Surr)	97		80 - 120		06/12/26 09:28	1

Lab Sample ID: LCS 410-834116/5

Matrix: Water

Analysis Batch: 834116

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	20.0	18.5		ug/L		93	75 - 120
trans-1,3-Dichloropropene	20.0	18.9		ug/L		95	67 - 120

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-834116/5

Matrix: Water

Analysis Batch: 834116

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	20.0	19.2		ug/L		96	80 - 120
Styrene	20.0	18.4		ug/L		92	80 - 120
1,4-Dichlorobenzene	20.0	19.3		ug/L		96	80 - 120
1,2-Dibromoethane	20.0	19.9		ug/L		100	77 - 120
1,2-Dichloroethane	20.0	19.2		ug/L		96	73 - 124
4-Methyl-2-pentanone	250	262		ug/L		105	62 - 133
Methylcyclohexane	20.0	19.2		ug/L		96	60 - 121
Toluene	20.0	19.2		ug/L		96	80 - 120
Chlorobenzene	20.0	19.7		ug/L		98	80 - 120
Cyclohexane	20.0	20.7		ug/L		103	60 - 126
1,2,4-Trichlorobenzene	20.0	17.9		ug/L		90	63 - 127
Dibromochloromethane	20.0	17.9		ug/L		89	71 - 120
Xylenes, Total	60.0	56.4		ug/L		94	80 - 120
Tetrachloroethene	20.0	19.3		ug/L		96	80 - 120
cis-1,2-Dichloroethene	20.0	17.0		ug/L		85	80 - 125
trans-1,2-Dichloroethene	20.0	19.0		ug/L		95	80 - 126
Methyl tertiary butyl ether	20.0	19.0		ug/L		95	69 - 122
1,3-Dichlorobenzene	20.0	19.2		ug/L		96	80 - 120
Carbon tetrachloride	20.0	20.0		ug/L		100	64 - 134
2-Hexanone	250	270		ug/L		108	56 - 143
Acetone	250	238		ug/L		95	57 - 150
Chloroform	20.0	17.3		ug/L		87	72 - 120
Benzene	20.0	19.1		ug/L		96	80 - 120
1,1,1-Trichloroethane	20.0	19.3		ug/L		96	73 - 120
Bromomethane	20.0	18.2		ug/L		91	61 - 128
Chloromethane	20.0	17.6		ug/L		88	48 - 134
Chloroethane	20.0	21.6		ug/L		108	67 - 123
Vinyl chloride	20.0	17.3		ug/L		86	56 - 120
Methylene Chloride	20.0	20.3		ug/L		102	80 - 120
Carbon disulfide	20.0	22.3		ug/L		112	55 - 139
Bromoform	20.0	17.5		ug/L		87	63 - 128
Bromodichloromethane	20.0	18.4		ug/L		92	71 - 120
1,1-Dichloroethane	20.0	19.0		ug/L		95	80 - 126
1,1-Dichloroethene	20.0	20.9		ug/L		105	80 - 131
Trichlorofluoromethane	20.0	14.2		ug/L		71	57 - 120
Dichlorodifluoromethane	20.0	14.1		ug/L		71	40 - 127
Freon 113	20.0	21.2		ug/L		106	57 - 122
1,2-Dichloropropane	20.0	19.7		ug/L		98	80 - 120
2-Butanone	250	245		ug/L		98	59 - 135
1,1,2-Trichloroethane	20.0	20.0		ug/L		100	80 - 120
Trichloroethene	20.0	18.9		ug/L		95	80 - 120
Methyl acetate	20.0	21.1		ug/L		106	55 - 157
1,1,2,2-Tetrachloroethane	20.0	18.6		ug/L		93	72 - 127
1,2-Dichlorobenzene	20.0	19.1		ug/L		95	80 - 120
1,2-Dibromo-3-Chloropropane	20.0	17.6		ug/L		88	60 - 120
Isopropylbenzene	20.0	19.1		ug/L		95	80 - 132

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-834116/5

Matrix: Water

Analysis Batch: 834116

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		80 - 120
Dibromofluoromethane (Surr)	92		80 - 120
4-Bromofluorobenzene (Surr)	101		80 - 120
Toluene-d8 (Surr)	102		80 - 120

Lab Sample ID: LCSD 410-834116/6

Matrix: Water

Analysis Batch: 834116

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	20.0	18.6		ug/L		93	75 - 120	1	30
trans-1,3-Dichloropropene	20.0	18.6		ug/L		93	67 - 120	2	30
Ethylbenzene	20.0	19.0		ug/L		95	80 - 120	1	30
Styrene	20.0	18.5		ug/L		93	80 - 120	1	30
1,4-Dichlorobenzene	20.0	19.2		ug/L		96	80 - 120	0	30
1,2-Dibromoethane	20.0	19.8		ug/L		99	77 - 120	1	30
1,2-Dichloroethane	20.0	19.7		ug/L		99	73 - 124	3	30
4-Methyl-2-pentanone	250	267		ug/L		107	62 - 133	2	30
Methylcyclohexane	20.0	19.1		ug/L		96	60 - 121	1	30
Toluene	20.0	19.2		ug/L		96	80 - 120	0	30
Chlorobenzene	20.0	19.7		ug/L		99	80 - 120	0	30
Cyclohexane	20.0	20.3		ug/L		102	60 - 126	2	30
1,2,4-Trichlorobenzene	20.0	18.1		ug/L		91	63 - 127	1	30
Dibromochloromethane	20.0	18.1		ug/L		91	71 - 120	1	30
Xylenes, Total	60.0	56.4		ug/L		94	80 - 120	0	30
Tetrachloroethene	20.0	18.9		ug/L		95	80 - 120	2	30
cis-1,2-Dichloroethene	20.0	17.2		ug/L		86	80 - 125	1	30
trans-1,2-Dichloroethene	20.0	19.1		ug/L		96	80 - 126	1	30
Methyl tertiary butyl ether	20.0	19.6		ug/L		98	69 - 122	3	30
1,3-Dichlorobenzene	20.0	19.4		ug/L		97	80 - 120	1	30
Carbon tetrachloride	20.0	20.3		ug/L		102	64 - 134	2	30
2-Hexanone	250	270		ug/L		108	56 - 143	0	30
Acetone	250	251		ug/L		100	57 - 150	5	30
Chloroform	20.0	17.7		ug/L		88	72 - 120	2	30
Benzene	20.0	19.3		ug/L		97	80 - 120	1	30
1,1,1-Trichloroethane	20.0	19.8		ug/L		99	73 - 120	3	30
Bromomethane	20.0	14.8		ug/L		74	61 - 128	21	30
Chloromethane	20.0	18.4		ug/L		92	48 - 134	4	30
Chloroethane	20.0	17.4		ug/L		87	67 - 123	22	30
Vinyl chloride	20.0	18.9		ug/L		95	56 - 120	9	30
Methylene Chloride	20.0	19.0		ug/L		95	80 - 120	7	30
Carbon disulfide	20.0	20.7		ug/L		103	55 - 139	8	30
Bromoform	20.0	17.8		ug/L		89	63 - 128	2	30
Bromodichloromethane	20.0	18.5		ug/L		93	71 - 120	1	30
1,1-Dichloroethane	20.0	19.8		ug/L		99	80 - 126	4	30
1,1-Dichloroethene	20.0	18.3		ug/L		92	80 - 131	13	30
Trichlorofluoromethane	20.0	12.7		ug/L		63	57 - 120	12	30
Dichlorodifluoromethane	20.0	13.8		ug/L		69	40 - 127	3	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-834116/6

Matrix: Water

Analysis Batch: 834116

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Freon 113	20.0	18.0		ug/L		90	57 - 122	16	30
1,2-Dichloropropane	20.0	20.5		ug/L		102	80 - 120	4	30
2-Butanone	250	249		ug/L		100	59 - 135	2	30
1,1,2-Trichloroethane	20.0	19.7		ug/L		99	80 - 120	1	30
Trichloroethene	20.0	19.1		ug/L		95	80 - 120	1	30
Methyl acetate	20.0	21.0		ug/L		105	55 - 157	0	30
1,1,2,2-Tetrachloroethane	20.0	19.3		ug/L		97	72 - 127	4	30
1,2-Dichlorobenzene	20.0	19.0		ug/L		95	80 - 120	0	30
1,2-Dibromo-3-Chloropropane	20.0	18.3		ug/L		91	60 - 120	4	30
Isopropylbenzene	20.0	18.9		ug/L		94	80 - 132	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		80 - 120
Dibromofluoromethane (Surr)	93		80 - 120
4-Bromofluorobenzene (Surr)	98		80 - 120
Toluene-d8 (Surr)	99		80 - 120

Lab Sample ID: MB 410-834138/7

Matrix: Water

Analysis Batch: 834138

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/12/26 11:44	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/12/26 11:44	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/12/26 11:44	1
Styrene	ND		5.0	0.30	ug/L			06/12/26 11:44	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/12/26 11:44	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/12/26 11:44	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/12/26 11:44	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/12/26 11:44	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/12/26 11:44	1
Toluene	ND		1.0	0.30	ug/L			06/12/26 11:44	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/12/26 11:44	1
Cyclohexane	ND		5.0	1.0	ug/L			06/12/26 11:44	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/12/26 11:44	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/12/26 11:44	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/12/26 11:44	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/12/26 11:44	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/12/26 11:44	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/12/26 11:44	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/12/26 11:44	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/12/26 11:44	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/12/26 11:44	1
2-Hexanone	ND		10	0.85	ug/L			06/12/26 11:44	1
Acetone	ND		20	0.70	ug/L			06/12/26 11:44	1
Chloroform	ND		1.0	0.30	ug/L			06/12/26 11:44	1
Benzene	ND		1.0	0.30	ug/L			06/12/26 11:44	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/12/26 11:44	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-834138/7

Matrix: Water

Analysis Batch: 834138

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		1.0	0.30	ug/L			06/12/26 11:44	1
Chloromethane	ND		2.0	0.55	ug/L			06/12/26 11:44	1
Chloroethane	ND		1.0	0.30	ug/L			06/12/26 11:44	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/12/26 11:44	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/12/26 11:44	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/12/26 11:44	1
Bromoform	ND		4.0	1.0	ug/L			06/12/26 11:44	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/12/26 11:44	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/12/26 11:44	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/12/26 11:44	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/12/26 11:44	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/12/26 11:44	1
Freon 113	ND		10	0.30	ug/L			06/12/26 11:44	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/12/26 11:44	1
2-Butanone	ND		10	1.0	ug/L			06/12/26 11:44	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/12/26 11:44	1
Trichloroethene	ND		1.0	0.30	ug/L			06/12/26 11:44	1
Methyl acetate	ND		5.0	0.60	ug/L			06/12/26 11:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/12/26 11:44	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/12/26 11:44	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/12/26 11:44	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/12/26 11:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		80 - 120		06/12/26 11:44	1
Dibromofluoromethane (Surr)	105		80 - 120		06/12/26 11:44	1
4-Bromofluorobenzene (Surr)	92		80 - 120		06/12/26 11:44	1
Toluene-d8 (Surr)	94		80 - 120		06/12/26 11:44	1

Lab Sample ID: LCS 410-834138/5

Matrix: Water

Analysis Batch: 834138

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	20.0	18.5		ug/L		93	75 - 120
trans-1,3-Dichloropropene	20.0	18.7		ug/L		94	67 - 120
Ethylbenzene	20.0	20.7		ug/L		104	80 - 120
Styrene	20.0	21.0		ug/L		105	80 - 120
1,4-Dichlorobenzene	20.0	21.8		ug/L		109	80 - 120
1,2-Dibromoethane	20.0	20.9		ug/L		105	77 - 120
1,2-Dichloroethane	20.0	22.8		ug/L		114	73 - 124
4-Methyl-2-pentanone	250	245		ug/L		98	62 - 133
Methylcyclohexane	20.0	17.7		ug/L		89	60 - 121
Toluene	20.0	20.4		ug/L		102	80 - 120
Chlorobenzene	20.0	21.6		ug/L		108	80 - 120
Cyclohexane	20.0	17.8		ug/L		89	60 - 126
1,2,4-Trichlorobenzene	20.0	18.1		ug/L		90	63 - 127
Dibromochloromethane	20.0	19.3		ug/L		97	71 - 120

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-834138/5

Matrix: Water

Analysis Batch: 834138

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Xylenes, Total	60.0	60.1		ug/L		100	80 - 120
Tetrachloroethene	20.0	23.5		ug/L		117	80 - 120
cis-1,2-Dichloroethene	20.0	21.4		ug/L		107	80 - 125
trans-1,2-Dichloroethene	20.0	21.7		ug/L		109	80 - 126
Methyl tertiary butyl ether	20.0	17.6		ug/L		88	69 - 122
1,3-Dichlorobenzene	20.0	21.5		ug/L		108	80 - 120
Carbon tetrachloride	20.0	21.4		ug/L		107	64 - 134
2-Hexanone	250	240		ug/L		96	56 - 143
Acetone	250	283		ug/L		113	57 - 150
Chloroform	20.0	21.2		ug/L		106	72 - 120
Benzene	20.0	20.8		ug/L		104	80 - 120
1,1,1-Trichloroethane	20.0	21.9		ug/L		109	73 - 120
Bromomethane	20.0	16.9		ug/L		84	61 - 128
Chloromethane	20.0	14.8		ug/L		74	48 - 134
Chloroethane	20.0	18.6		ug/L		93	67 - 123
Vinyl chloride	20.0	15.9		ug/L		80	56 - 120
Methylene Chloride	20.0	22.3		ug/L		112	80 - 120
Carbon disulfide	20.0	21.8		ug/L		109	55 - 139
Bromoform	20.0	19.5		ug/L		97	63 - 128
Bromodichloromethane	20.0	20.3		ug/L		101	71 - 120
1,1-Dichloroethane	20.0	20.9		ug/L		104	80 - 126
1,1-Dichloroethene	20.0	23.1		ug/L		116	80 - 131
Trichlorofluoromethane	20.0	15.1		ug/L		76	57 - 120
Dichlorodifluoromethane	20.0	12.4		ug/L		62	40 - 127
Freon 113	20.0	19.2		ug/L		96	57 - 122
1,2-Dichloropropane	20.0	20.0		ug/L		100	80 - 120
2-Butanone	250	243		ug/L		97	59 - 135
1,1,2-Trichloroethane	20.0	21.0		ug/L		105	80 - 120
Trichloroethene	20.0	22.0		ug/L		110	80 - 120
Methyl acetate	20.0	20.8		ug/L		104	55 - 157
1,1,2,2-Tetrachloroethane	20.0	19.7		ug/L		98	72 - 127
1,2-Dichlorobenzene	20.0	20.5		ug/L		103	80 - 120
1,2-Dibromo-3-Chloropropane	20.0	16.2		ug/L		81	60 - 120
Isopropylbenzene	20.0	20.4		ug/L		102	80 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		80 - 120
Dibromofluoromethane (Surr)	101		80 - 120
4-Bromofluorobenzene (Surr)	94		80 - 120
Toluene-d8 (Surr)	98		80 - 120

Lab Sample ID: MB 410-834952/7

Matrix: Water

Analysis Batch: 834952

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/14/26 12:32	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/14/26 12:32	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-834952/7

Matrix: Water

Analysis Batch: 834952

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			06/14/26 12:32	1
Styrene	ND		5.0	0.30	ug/L			06/14/26 12:32	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/14/26 12:32	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/14/26 12:32	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/14/26 12:32	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/14/26 12:32	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/14/26 12:32	1
Toluene	ND		1.0	0.30	ug/L			06/14/26 12:32	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/14/26 12:32	1
Cyclohexane	ND		5.0	1.0	ug/L			06/14/26 12:32	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/14/26 12:32	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/14/26 12:32	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/14/26 12:32	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/14/26 12:32	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/14/26 12:32	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/14/26 12:32	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/14/26 12:32	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/14/26 12:32	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/14/26 12:32	1
2-Hexanone	ND		10	0.85	ug/L			06/14/26 12:32	1
Acetone	ND		20	0.70	ug/L			06/14/26 12:32	1
Chloroform	ND		1.0	0.30	ug/L			06/14/26 12:32	1
Benzene	ND		1.0	0.30	ug/L			06/14/26 12:32	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/14/26 12:32	1
Bromomethane	ND		1.0	0.30	ug/L			06/14/26 12:32	1
Chloromethane	ND		2.0	0.55	ug/L			06/14/26 12:32	1
Chloroethane	ND		1.0	0.30	ug/L			06/14/26 12:32	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/14/26 12:32	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/14/26 12:32	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/14/26 12:32	1
Bromoform	ND		4.0	1.0	ug/L			06/14/26 12:32	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/14/26 12:32	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/14/26 12:32	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/14/26 12:32	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/14/26 12:32	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/14/26 12:32	1
Freon 113	ND		10	0.30	ug/L			06/14/26 12:32	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/14/26 12:32	1
2-Butanone	ND		10	1.0	ug/L			06/14/26 12:32	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/14/26 12:32	1
Trichloroethene	ND		1.0	0.30	ug/L			06/14/26 12:32	1
Methyl acetate	ND		5.0	0.60	ug/L			06/14/26 12:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/14/26 12:32	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/14/26 12:32	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/14/26 12:32	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/14/26 12:32	1

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-834952/7

Matrix: Water

Analysis Batch: 834952

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		06/14/26 12:32	1
Dibromofluoromethane (Surr)	113		80 - 120		06/14/26 12:32	1
4-Bromofluorobenzene (Surr)	92		80 - 120		06/14/26 12:32	1
Toluene-d8 (Surr)	92		80 - 120		06/14/26 12:32	1

Lab Sample ID: LCS 410-834952/4

Matrix: Water

Analysis Batch: 834952

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	20.0	17.7		ug/L		88	75 - 120
trans-1,3-Dichloropropene	20.0	18.4		ug/L		92	67 - 120
Ethylbenzene	20.0	19.3		ug/L		97	80 - 120
Styrene	20.0	19.8		ug/L		99	80 - 120
1,4-Dichlorobenzene	20.0	21.1		ug/L		106	80 - 120
1,2-Dibromoethane	20.0	21.2		ug/L		106	77 - 120
1,2-Dichloroethane	20.0	21.8		ug/L		109	73 - 124
4-Methyl-2-pentanone	250	209		ug/L		84	62 - 133
Methylcyclohexane	20.0	16.8		ug/L		84	60 - 121
Toluene	20.0	19.5		ug/L		97	80 - 120
Chlorobenzene	20.0	21.3		ug/L		107	80 - 120
Cyclohexane	20.0	15.5		ug/L		77	60 - 126
1,2,4-Trichlorobenzene	20.0	21.2		ug/L		106	63 - 127
Dibromochloromethane	20.0	23.2		ug/L		116	71 - 120
Xylenes, Total	60.0	58.8		ug/L		98	80 - 120
Tetrachloroethene	20.0	24.1		ug/L		120	80 - 120
cis-1,2-Dichloroethene	20.0	21.3		ug/L		106	80 - 125
trans-1,2-Dichloroethene	20.0	20.8		ug/L		104	80 - 126
Methyl tertiary butyl ether	20.0	18.4		ug/L		92	69 - 122
1,3-Dichlorobenzene	20.0	20.8		ug/L		104	80 - 120
Carbon tetrachloride	20.0	25.3		ug/L		126	64 - 134
2-Hexanone	250	204		ug/L		82	56 - 143
Acetone	250	218		ug/L		87	57 - 150
Chloroform	20.0	18.4		ug/L		92	72 - 120
Benzene	20.0	19.2		ug/L		96	80 - 120
1,1,1-Trichloroethane	20.0	24.2	*+	ug/L		121	73 - 120
Bromomethane	20.0	18.7		ug/L		93	61 - 128
Chloromethane	20.0	13.0		ug/L		65	48 - 134
Chloroethane	20.0	16.4		ug/L		82	67 - 123
Vinyl chloride	20.0	15.0		ug/L		75	56 - 120
Methylene Chloride	20.0	19.2		ug/L		96	80 - 120
Carbon disulfide	20.0	17.9		ug/L		89	55 - 139
Bromoform	20.0	23.7		ug/L		119	63 - 128
Bromodichloromethane	20.0	21.6		ug/L		108	71 - 120
1,1-Dichloroethane	20.0	19.2		ug/L		96	80 - 126
1,1-Dichloroethene	20.0	21.0		ug/L		105	80 - 131
Trichlorofluoromethane	20.0	16.2		ug/L		81	57 - 120
Dichlorodifluoromethane	20.0	12.0		ug/L		60	40 - 127

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-834952/4

Matrix: Water

Analysis Batch: 834952

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Freon 113	20.0	21.5		ug/L		108	57 - 122
1,2-Dichloropropane	20.0	17.1		ug/L		85	80 - 120
2-Butanone	250	197		ug/L		79	59 - 135
1,1,2-Trichloroethane	20.0	20.1		ug/L		100	80 - 120
Trichloroethene	20.0	20.5		ug/L		103	80 - 120
Methyl acetate	20.0	14.8		ug/L		74	55 - 157
1,1,2,2-Tetrachloroethane	20.0	17.5		ug/L		88	72 - 127
1,2-Dichlorobenzene	20.0	21.5		ug/L		107	80 - 120
1,2-Dibromo-3-Chloropropane	20.0	18.1		ug/L		91	60 - 120
Isopropylbenzene	20.0	20.0		ug/L		100	80 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	109		80 - 120
4-Bromofluorobenzene (Surr)	94		80 - 120
Toluene-d8 (Surr)	95		80 - 120

Lab Sample ID: LCSD 410-834952/5

Matrix: Water

Analysis Batch: 834952

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	20.0	17.9		ug/L		90	75 - 120	2	30
trans-1,3-Dichloropropene	20.0	18.1		ug/L		90	67 - 120	2	30
Ethylbenzene	20.0	19.0		ug/L		95	80 - 120	2	30
Styrene	20.0	19.6		ug/L		98	80 - 120	1	30
1,4-Dichlorobenzene	20.0	20.8		ug/L		104	80 - 120	1	30
1,2-Dibromoethane	20.0	20.7		ug/L		104	77 - 120	2	30
1,2-Dichloroethane	20.0	21.3		ug/L		107	73 - 124	2	30
4-Methyl-2-pentanone	250	212		ug/L		85	62 - 133	1	30
Methylcyclohexane	20.0	16.8		ug/L		84	60 - 121	0	30
Toluene	20.0	19.2		ug/L		96	80 - 120	2	30
Chlorobenzene	20.0	21.0		ug/L		105	80 - 120	2	30
Cyclohexane	20.0	14.8		ug/L		74	60 - 126	5	30
1,2,4-Trichlorobenzene	20.0	20.4		ug/L		102	63 - 127	4	30
Dibromochloromethane	20.0	22.0		ug/L		110	71 - 120	5	30
Xylenes, Total	60.0	58.6		ug/L		98	80 - 120	0	30
Tetrachloroethene	20.0	22.6		ug/L		113	80 - 120	6	30
cis-1,2-Dichloroethene	20.0	20.9		ug/L		105	80 - 125	2	30
trans-1,2-Dichloroethene	20.0	19.9		ug/L		99	80 - 126	5	30
Methyl tertiary butyl ether	20.0	18.3		ug/L		92	69 - 122	0	30
1,3-Dichlorobenzene	20.0	20.2		ug/L		101	80 - 120	3	30
Carbon tetrachloride	20.0	25.0		ug/L		125	64 - 134	1	30
2-Hexanone	250	199		ug/L		80	56 - 143	3	30
Acetone	250	253		ug/L		101	57 - 150	15	30
Chloroform	20.0	18.5		ug/L		92	72 - 120	0	30
Benzene	20.0	19.0		ug/L		95	80 - 120	1	30
1,1,1-Trichloroethane	20.0	24.9	*+	ug/L		124	73 - 120	3	30

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-834952/5

Matrix: Water

Analysis Batch: 834952

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromomethane	20.0	18.5		ug/L		92	61 - 128	1	30
Chloromethane	20.0	12.9		ug/L		65	48 - 134	1	30
Chloroethane	20.0	15.9		ug/L		79	67 - 123	3	30
Vinyl chloride	20.0	14.6		ug/L		73	56 - 120	3	30
Methylene Chloride	20.0	19.5		ug/L		98	80 - 120	1	30
Carbon disulfide	20.0	17.5		ug/L		87	55 - 139	2	30
Bromoform	20.0	23.6		ug/L		118	63 - 128	0	30
Bromodichloromethane	20.0	21.7		ug/L		109	71 - 120	1	30
1,1-Dichloroethane	20.0	19.2		ug/L		96	80 - 126	0	30
1,1-Dichloroethene	20.0	21.1		ug/L		106	80 - 131	0	30
Trichlorofluoromethane	20.0	16.0		ug/L		80	57 - 120	1	30
Dichlorodifluoromethane	20.0	11.8		ug/L		59	40 - 127	2	30
Freon 113	20.0	20.7		ug/L		104	57 - 122	4	30
1,2-Dichloropropane	20.0	17.6		ug/L		88	80 - 120	3	30
2-Butanone	250	193		ug/L		77	59 - 135	2	30
1,1,2-Trichloroethane	20.0	19.9		ug/L		99	80 - 120	1	30
Trichloroethene	20.0	20.5		ug/L		103	80 - 120	0	30
Methyl acetate	20.0	15.0		ug/L		75	55 - 157	2	30
1,1,2,2-Tetrachloroethane	20.0	17.9		ug/L		90	72 - 127	2	30
1,2-Dichlorobenzene	20.0	21.0		ug/L		105	80 - 120	2	30
1,2-Dibromo-3-Chloropropane	20.0	17.5		ug/L		87	60 - 120	3	30
Isopropylbenzene	20.0	19.3		ug/L		97	80 - 132	3	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	108		80 - 120
4-Bromofluorobenzene (Surr)	96		80 - 120
Toluene-d8 (Surr)	93		80 - 120

Lab Sample ID: MB 410-835141/7

Matrix: Water

Analysis Batch: 835141

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/15/26 09:55	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/15/26 09:55	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/15/26 09:55	1
Styrene	ND		5.0	0.30	ug/L			06/15/26 09:55	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/15/26 09:55	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/15/26 09:55	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/15/26 09:55	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/15/26 09:55	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/15/26 09:55	1
Toluene	ND		1.0	0.30	ug/L			06/15/26 09:55	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/15/26 09:55	1
Cyclohexane	ND		5.0	1.0	ug/L			06/15/26 09:55	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/15/26 09:55	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/15/26 09:55	1

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-835141/7

Matrix: Water

Analysis Batch: 835141

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		1.0	0.40	ug/L			06/15/26 09:55	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/15/26 09:55	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/15/26 09:55	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/15/26 09:55	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/15/26 09:55	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/15/26 09:55	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/15/26 09:55	1
2-Hexanone	ND		10	0.85	ug/L			06/15/26 09:55	1
Acetone	ND		20	0.70	ug/L			06/15/26 09:55	1
Chloroform	ND		1.0	0.30	ug/L			06/15/26 09:55	1
Benzene	ND		1.0	0.30	ug/L			06/15/26 09:55	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/15/26 09:55	1
Bromomethane	ND		1.0	0.30	ug/L			06/15/26 09:55	1
Chloromethane	ND		2.0	0.55	ug/L			06/15/26 09:55	1
Chloroethane	ND		1.0	0.30	ug/L			06/15/26 09:55	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/15/26 09:55	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/15/26 09:55	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/15/26 09:55	1
Bromoform	ND		4.0	1.0	ug/L			06/15/26 09:55	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/15/26 09:55	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/15/26 09:55	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/15/26 09:55	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/15/26 09:55	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/15/26 09:55	1
Freon 113	ND		10	0.30	ug/L			06/15/26 09:55	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/15/26 09:55	1
2-Butanone	ND		10	1.0	ug/L			06/15/26 09:55	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/15/26 09:55	1
Trichloroethene	ND		1.0	0.30	ug/L			06/15/26 09:55	1
Methyl acetate	ND		5.0	0.60	ug/L			06/15/26 09:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/15/26 09:55	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/15/26 09:55	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/15/26 09:55	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/15/26 09:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		06/15/26 09:55	1
Dibromofluoromethane (Surr)	101		80 - 120		06/15/26 09:55	1
4-Bromofluorobenzene (Surr)	95		80 - 120		06/15/26 09:55	1
Toluene-d8 (Surr)	101		80 - 120		06/15/26 09:55	1

Lab Sample ID: LCS 410-835141/4

Matrix: Water

Analysis Batch: 835141

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	20.0	18.5		ug/L		92	75 - 120
trans-1,3-Dichloropropene	20.0	18.8		ug/L		94	67 - 120

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-835141/4

Matrix: Water

Analysis Batch: 835141

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	20.0	20.2		ug/L		101	80 - 120
Styrene	20.0	20.3		ug/L		102	80 - 120
1,4-Dichlorobenzene	20.0	21.0		ug/L		105	80 - 120
1,2-Dibromoethane	20.0	20.5		ug/L		102	77 - 120
1,2-Dichloroethane	20.0	18.7		ug/L		94	73 - 124
4-Methyl-2-pentanone	250	260		ug/L		104	62 - 133
Methylcyclohexane	20.0	20.9		ug/L		105	60 - 121
Toluene	20.0	20.3		ug/L		101	80 - 120
Chlorobenzene	20.0	20.4		ug/L		102	80 - 120
Cyclohexane	20.0	20.6		ug/L		103	60 - 126
1,2,4-Trichlorobenzene	20.0	19.4		ug/L		97	63 - 127
Dibromochloromethane	20.0	19.4		ug/L		97	71 - 120
Xylenes, Total	60.0	60.8		ug/L		101	80 - 120
Tetrachloroethene	20.0	21.4		ug/L		107	80 - 120
cis-1,2-Dichloroethene	20.0	20.4		ug/L		102	80 - 125
trans-1,2-Dichloroethene	20.0	21.7		ug/L		108	80 - 126
Methyl tertiary butyl ether	20.0	18.1		ug/L		90	69 - 122
1,3-Dichlorobenzene	20.0	20.7		ug/L		103	80 - 120
Carbon tetrachloride	20.0	19.6		ug/L		98	64 - 134
2-Hexanone	250	259		ug/L		104	56 - 143
Acetone	250	287		ug/L		115	57 - 150
Chloroform	20.0	19.3		ug/L		96	72 - 120
Benzene	20.0	20.6		ug/L		103	80 - 120
1,1,1-Trichloroethane	20.0	20.1		ug/L		100	73 - 120
Bromomethane	20.0	19.8		ug/L		99	61 - 128
Chloromethane	20.0	17.9		ug/L		89	48 - 134
Chloroethane	20.0	18.6		ug/L		93	67 - 123
Vinyl chloride	20.0	17.7		ug/L		89	56 - 120
Methylene Chloride	20.0	20.5		ug/L		103	80 - 120
Carbon disulfide	20.0	22.1		ug/L		110	55 - 139
Bromoform	20.0	18.6		ug/L		93	63 - 128
Bromodichloromethane	20.0	19.3		ug/L		96	71 - 120
1,1-Dichloroethane	20.0	21.1		ug/L		106	80 - 126
1,1-Dichloroethene	20.0	22.9		ug/L		114	80 - 131
Trichlorofluoromethane	20.0	15.6		ug/L		78	57 - 120
Dichlorodifluoromethane	20.0	17.9		ug/L		89	40 - 127
Freon 113	20.0	22.9		ug/L		115	57 - 122
1,2-Dichloropropane	20.0	20.3		ug/L		102	80 - 120
2-Butanone	250	221		ug/L		88	59 - 135
1,1,2-Trichloroethane	20.0	19.8		ug/L		99	80 - 120
Trichloroethene	20.0	20.2		ug/L		101	80 - 120
Methyl acetate	20.0	21.0		ug/L		105	55 - 157
1,1,2,2-Tetrachloroethane	20.0	20.4		ug/L		102	72 - 127
1,2-Dichlorobenzene	20.0	19.9		ug/L		100	80 - 120
1,2-Dibromo-3-Chloropropane	20.0	16.0		ug/L		80	60 - 120
Isopropylbenzene	20.0	22.6		ug/L		113	80 - 132

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-835141/4

Matrix: Water

Analysis Batch: 835141

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	93		80 - 120
Toluene-d8 (Surr)	99		80 - 120

Lab Sample ID: LCSD 410-835141/5

Matrix: Water

Analysis Batch: 835141

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	20.0	19.4		ug/L		97	75 - 120	5	30
trans-1,3-Dichloropropene	20.0	19.6		ug/L		98	67 - 120	4	30
Ethylbenzene	20.0	21.6		ug/L		108	80 - 120	6	30
Styrene	20.0	21.7		ug/L		109	80 - 120	7	30
1,4-Dichlorobenzene	20.0	21.7		ug/L		109	80 - 120	3	30
1,2-Dibromoethane	20.0	20.8		ug/L		104	77 - 120	2	30
1,2-Dichloroethane	20.0	19.6		ug/L		98	73 - 124	5	30
4-Methyl-2-pentanone	250	273		ug/L		109	62 - 133	5	30
Methylcyclohexane	20.0	22.1		ug/L		111	60 - 121	6	30
Toluene	20.0	21.4		ug/L		107	80 - 120	5	30
Chlorobenzene	20.0	21.5		ug/L		107	80 - 120	5	30
Cyclohexane	20.0	21.8		ug/L		109	60 - 126	6	30
1,2,4-Trichlorobenzene	20.0	20.2		ug/L		101	63 - 127	4	30
Dibromochloromethane	20.0	20.3		ug/L		101	71 - 120	4	30
Xylenes, Total	60.0	64.6		ug/L		108	80 - 120	6	30
Tetrachloroethene	20.0	22.8		ug/L		114	80 - 120	6	30
cis-1,2-Dichloroethene	20.0	21.0		ug/L		105	80 - 125	3	30
trans-1,2-Dichloroethene	20.0	23.0		ug/L		115	80 - 126	6	30
Methyl tertiary butyl ether	20.0	19.3		ug/L		97	69 - 122	7	30
1,3-Dichlorobenzene	20.0	21.9		ug/L		110	80 - 120	6	30
Carbon tetrachloride	20.0	20.6		ug/L		103	64 - 134	5	30
2-Hexanone	250	273		ug/L		109	56 - 143	5	30
Acetone	250	288		ug/L		115	57 - 150	0	30
Chloroform	20.0	20.7		ug/L		104	72 - 120	7	30
Benzene	20.0	21.7		ug/L		108	80 - 120	5	30
1,1,1-Trichloroethane	20.0	21.1		ug/L		105	73 - 120	5	30
Bromomethane	20.0	21.5		ug/L		108	61 - 128	9	30
Chloromethane	20.0	19.4		ug/L		97	48 - 134	8	30
Chloroethane	20.0	20.4		ug/L		102	67 - 123	9	30
Vinyl chloride	20.0	19.7		ug/L		98	56 - 120	11	30
Methylene Chloride	20.0	22.3		ug/L		111	80 - 120	8	30
Carbon disulfide	20.0	23.2		ug/L		116	55 - 139	5	30
Bromoform	20.0	19.9		ug/L		99	63 - 128	7	30
Bromodichloromethane	20.0	20.2		ug/L		101	71 - 120	5	30
1,1-Dichloroethane	20.0	22.3		ug/L		111	80 - 126	5	30
1,1-Dichloroethene	20.0	24.8		ug/L		124	80 - 131	8	30
Trichlorofluoromethane	20.0	16.6		ug/L		83	57 - 120	6	30
Dichlorodifluoromethane	20.0	19.3		ug/L		97	40 - 127	8	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-835141/5

Matrix: Water

Analysis Batch: 835141

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Freon 113	20.0	24.1		ug/L		121	57 - 122	5	30
1,2-Dichloropropane	20.0	21.5		ug/L		108	80 - 120	6	30
2-Butanone	250	233		ug/L		93	59 - 135	5	30
1,1,2-Trichloroethane	20.0	21.0		ug/L		105	80 - 120	6	30
Trichloroethene	20.0	21.5		ug/L		108	80 - 120	6	30
Methyl acetate	20.0	22.4		ug/L		112	55 - 157	6	30
1,1,2,2-Tetrachloroethane	20.0	21.4		ug/L		107	72 - 127	5	30
1,2-Dichlorobenzene	20.0	21.2		ug/L		106	80 - 120	6	30
1,2-Dibromo-3-Chloropropane	20.0	16.8		ug/L		84	60 - 120	5	30
Isopropylbenzene	20.0	24.0		ug/L		120	80 - 132	6	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	101		80 - 120
4-Bromofluorobenzene (Surr)	95		80 - 120
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: MB 410-835226/7

Matrix: Water

Analysis Batch: 835226

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/15/26 10:03	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/15/26 10:03	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/15/26 10:03	1
Styrene	ND		5.0	0.30	ug/L			06/15/26 10:03	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/15/26 10:03	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/15/26 10:03	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/15/26 10:03	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/15/26 10:03	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/15/26 10:03	1
Toluene	ND		1.0	0.30	ug/L			06/15/26 10:03	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/15/26 10:03	1
Cyclohexane	ND		5.0	1.0	ug/L			06/15/26 10:03	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/15/26 10:03	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/15/26 10:03	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/15/26 10:03	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/15/26 10:03	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/15/26 10:03	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/15/26 10:03	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/15/26 10:03	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/15/26 10:03	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/15/26 10:03	1
2-Hexanone	ND		10	0.85	ug/L			06/15/26 10:03	1
Acetone	ND		20	0.70	ug/L			06/15/26 10:03	1
Chloroform	ND		1.0	0.30	ug/L			06/15/26 10:03	1
Benzene	ND		1.0	0.30	ug/L			06/15/26 10:03	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/15/26 10:03	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-835226/7

Matrix: Water

Analysis Batch: 835226

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		1.0	0.30	ug/L			06/15/26 10:03	1
Chloromethane	ND		2.0	0.55	ug/L			06/15/26 10:03	1
Chloroethane	ND		1.0	0.30	ug/L			06/15/26 10:03	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/15/26 10:03	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/15/26 10:03	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/15/26 10:03	1
Bromoform	ND		4.0	1.0	ug/L			06/15/26 10:03	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/15/26 10:03	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/15/26 10:03	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/15/26 10:03	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/15/26 10:03	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/15/26 10:03	1
Freon 113	ND		10	0.30	ug/L			06/15/26 10:03	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/15/26 10:03	1
2-Butanone	ND		10	1.0	ug/L			06/15/26 10:03	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/15/26 10:03	1
Trichloroethene	ND		1.0	0.30	ug/L			06/15/26 10:03	1
Methyl acetate	ND		5.0	0.60	ug/L			06/15/26 10:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/15/26 10:03	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/15/26 10:03	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/15/26 10:03	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/15/26 10:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		80 - 120		06/15/26 10:03	1
Dibromofluoromethane (Surr)	112		80 - 120		06/15/26 10:03	1
4-Bromofluorobenzene (Surr)	94		80 - 120		06/15/26 10:03	1
Toluene-d8 (Surr)	92		80 - 120		06/15/26 10:03	1

Lab Sample ID: LCS 410-835226/4

Matrix: Water

Analysis Batch: 835226

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	20.0	18.8		ug/L		94	75 - 120
trans-1,3-Dichloropropene	20.0	19.1		ug/L		95	67 - 120
Ethylbenzene	20.0	19.8		ug/L		99	80 - 120
Styrene	20.0	20.7		ug/L		103	80 - 120
1,4-Dichlorobenzene	20.0	21.6		ug/L		108	80 - 120
1,2-Dibromoethane	20.0	21.8		ug/L		109	77 - 120
1,2-Dichloroethane	20.0	22.7		ug/L		114	73 - 124
4-Methyl-2-pentanone	250	219		ug/L		88	62 - 133
Methylcyclohexane	20.0	18.7		ug/L		93	60 - 121
Toluene	20.0	19.7		ug/L		98	80 - 120
Chlorobenzene	20.0	21.3		ug/L		107	80 - 120
Cyclohexane	20.0	16.8		ug/L		84	60 - 126
1,2,4-Trichlorobenzene	20.0	20.4		ug/L		102	63 - 127
Dibromochloromethane	20.0	22.3		ug/L		111	71 - 120

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-835226/4

Matrix: Water

Analysis Batch: 835226

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Xylenes, Total	60.0	61.1		ug/L		102	80 - 120
Tetrachloroethene	20.0	24.4	*+	ug/L		122	80 - 120
cis-1,2-Dichloroethene	20.0	21.9		ug/L		109	80 - 125
trans-1,2-Dichloroethene	20.0	21.9		ug/L		110	80 - 126
Methyl tertiary butyl ether	20.0	18.9		ug/L		94	69 - 122
1,3-Dichlorobenzene	20.0	21.6		ug/L		108	80 - 120
Carbon tetrachloride	20.0	26.4		ug/L		132	64 - 134
2-Hexanone	250	210		ug/L		84	56 - 143
Acetone	250	268		ug/L		107	57 - 150
Chloroform	20.0	19.6		ug/L		98	72 - 120
Benzene	20.0	20.4		ug/L		102	80 - 120
1,1,1-Trichloroethane	20.0	25.1	*+	ug/L		126	73 - 120
Bromomethane	20.0	20.6		ug/L		103	61 - 128
Chloromethane	20.0	15.8		ug/L		79	48 - 134
Chloroethane	20.0	18.2		ug/L		91	67 - 123
Vinyl chloride	20.0	17.5		ug/L		87	56 - 120
Methylene Chloride	20.0	20.0		ug/L		100	80 - 120
Carbon disulfide	20.0	19.0		ug/L		95	55 - 139
Bromoform	20.0	24.2		ug/L		121	63 - 128
Bromodichloromethane	20.0	23.0		ug/L		115	71 - 120
1,1-Dichloroethane	20.0	20.4		ug/L		102	80 - 126
1,1-Dichloroethene	20.0	23.0		ug/L		115	80 - 131
Trichlorofluoromethane	20.0	18.7		ug/L		93	57 - 120
Dichlorodifluoromethane	20.0	20.2		ug/L		101	40 - 127
Freon 113	20.0	23.0		ug/L		115	57 - 122
1,2-Dichloropropane	20.0	18.6		ug/L		93	80 - 120
2-Butanone	250	203		ug/L		81	59 - 135
1,1,2-Trichloroethane	20.0	20.9		ug/L		105	80 - 120
Trichloroethene	20.0	21.8		ug/L		109	80 - 120
Methyl acetate	20.0	18.4		ug/L		92	55 - 157
1,1,2,2-Tetrachloroethane	20.0	17.9		ug/L		89	72 - 127
1,2-Dichlorobenzene	20.0	21.3		ug/L		106	80 - 120
1,2-Dibromo-3-Chloropropane	20.0	17.9		ug/L		89	60 - 120
Isopropylbenzene	20.0	20.3		ug/L		101	80 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		80 - 120
Dibromofluoromethane (Surr)	109		80 - 120
4-Bromofluorobenzene (Surr)	96		80 - 120
Toluene-d8 (Surr)	94		80 - 120

Lab Sample ID: LCSD 410-835226/5

Matrix: Water

Analysis Batch: 835226

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	20.0	16.6		ug/L		83	75 - 120	12	30
trans-1,3-Dichloropropene	20.0	16.7		ug/L		84	67 - 120	13	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-835226/5

Matrix: Water

Analysis Batch: 835226

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylbenzene	20.0	18.1		ug/L		90	80 - 120	9	30
Styrene	20.0	18.4		ug/L		92	80 - 120	12	30
1,4-Dichlorobenzene	20.0	19.0		ug/L		95	80 - 120	13	30
1,2-Dibromoethane	20.0	19.4		ug/L		97	77 - 120	12	30
1,2-Dichloroethane	20.0	20.4		ug/L		102	73 - 124	11	30
4-Methyl-2-pentanone	250	196		ug/L		79	62 - 133	11	30
Methylcyclohexane	20.0	16.8		ug/L		84	60 - 121	11	30
Toluene	20.0	17.8		ug/L		89	80 - 120	10	30
Chlorobenzene	20.0	19.6		ug/L		98	80 - 120	9	30
Cyclohexane	20.0	15.0		ug/L		75	60 - 126	11	30
1,2,4-Trichlorobenzene	20.0	18.5		ug/L		93	63 - 127	10	30
Dibromochloromethane	20.0	20.4		ug/L		102	71 - 120	9	30
Xylenes, Total	60.0	55.7		ug/L		93	80 - 120	9	30
Tetrachloroethene	20.0	21.7		ug/L		108	80 - 120	12	30
cis-1,2-Dichloroethene	20.0	20.8		ug/L		104	80 - 125	5	30
trans-1,2-Dichloroethene	20.0	19.7		ug/L		99	80 - 126	10	30
Methyl tertiary butyl ether	20.0	17.1		ug/L		85	69 - 122	10	30
1,3-Dichlorobenzene	20.0	18.9		ug/L		94	80 - 120	14	30
Carbon tetrachloride	20.0	23.6		ug/L		118	64 - 134	11	30
2-Hexanone	250	186		ug/L		74	56 - 143	12	30
Acetone	250	239		ug/L		96	57 - 150	12	30
Chloroform	20.0	16.8		ug/L		84	72 - 120	15	30
Benzene	20.0	18.1		ug/L		90	80 - 120	12	30
1,1,1-Trichloroethane	20.0	22.8		ug/L		114	73 - 120	10	30
Bromomethane	20.0	18.7		ug/L		94	61 - 128	9	30
Chloromethane	20.0	14.4		ug/L		72	48 - 134	9	30
Chloroethane	20.0	16.3		ug/L		81	67 - 123	11	30
Vinyl chloride	20.0	15.7		ug/L		78	56 - 120	11	30
Methylene Chloride	20.0	18.0		ug/L		90	80 - 120	11	30
Carbon disulfide	20.0	17.5		ug/L		87	55 - 139	8	30
Bromoform	20.0	20.4		ug/L		102	63 - 128	17	30
Bromodichloromethane	20.0	19.9		ug/L		99	71 - 120	15	30
1,1-Dichloroethane	20.0	18.6		ug/L		93	80 - 126	9	30
1,1-Dichloroethene	20.0	20.0		ug/L		100	80 - 131	14	30
Trichlorofluoromethane	20.0	16.6		ug/L		83	57 - 120	12	30
Dichlorodifluoromethane	20.0	18.6		ug/L		93	40 - 127	9	30
Freon 113	20.0	20.5		ug/L		103	57 - 122	11	30
1,2-Dichloropropane	20.0	16.2		ug/L		81	80 - 120	14	30
2-Butanone	250	182		ug/L		73	59 - 135	11	30
1,1,2-Trichloroethane	20.0	18.3		ug/L		92	80 - 120	13	30
Trichloroethene	20.0	20.0		ug/L		100	80 - 120	8	30
Methyl acetate	20.0	16.6		ug/L		83	55 - 157	10	30
1,1,2,2-Tetrachloroethane	20.0	15.6		ug/L		78	72 - 127	14	30
1,2-Dichlorobenzene	20.0	19.3		ug/L		97	80 - 120	10	30
1,2-Dibromo-3-Chloropropane	20.0	15.3		ug/L		76	60 - 120	16	30
Isopropylbenzene	20.0	18.3		ug/L		91	80 - 132	10	30

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-835226/5

Matrix: Water

Analysis Batch: 835226

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	109		80 - 120
4-Bromofluorobenzene (Surr)	96		80 - 120
Toluene-d8 (Surr)	93		80 - 120

Method: 218.6 - Chromium, Hexavalent (Ion Chromatography)

Lab Sample ID: MB 410-827780/10

Matrix: Water

Analysis Batch: 827780

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB								
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/02/26 09:18	1	

Lab Sample ID: LCS 410-827780/9

Matrix: Water

Analysis Batch: 827780

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte		Spike	LCS	LCS				%Rec		
		Added	Result	Qualifier	Unit	D	%Rec	Limits		
Cr (VI)		0.100	0.102		mg/L		102	90 - 110		

Lab Sample ID: 410-286100-12 MS

Matrix: Water

Analysis Batch: 827780

Client Sample ID: Duplicate 3

Prep Type: Dissolved

Analyte	Sample	Sample	Spike	MS	MS			%Rec		
	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Cr (VI)	ND		0.100	0.103		mg/L		103	75 - 125	

Lab Sample ID: 410-286100-12 MSD

Matrix: Water

Analysis Batch: 827780

Client Sample ID: Duplicate 3

Prep Type: Dissolved

Analyte	Sample	Sample	Spike	MSD	MSD			%Rec		RPD	
	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Cr (VI)	ND		0.100	0.103		mg/L		103	75 - 125	0	20

Lab Sample ID: 410-286100-17 MS

Matrix: Water

Analysis Batch: 827780

Client Sample ID: MW-51B

Prep Type: Dissolved

Analyte	Sample	Sample	Spike	MS	MS			%Rec			
	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Cr (VI)	ND		0.100	0.101		mg/L		101	75 - 125		

Lab Sample ID: 410-286100-17 MSD

Matrix: Water

Analysis Batch: 827780

Client Sample ID: MW-51B

Prep Type: Dissolved

Analyte	Sample	Sample	Spike	MSD	MSD			%Rec		RPD	
	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Cr (VI)	ND		0.100	0.101		mg/L		101	75 - 125	0	20

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 410-834637/5

Matrix: Water

Analysis Batch: 834637

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20	0.10	mg/L			06/12/26 17:14	1

Lab Sample ID: LCS 410-834637/3

Matrix: Water

Analysis Batch: 834637

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	1.50	1.53		mg/L		102	90 - 110

Lab Sample ID: LCSD 410-834637/4

Matrix: Water

Analysis Batch: 834637

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	1.50	1.53		mg/L		102	90 - 110	0	20

Lab Sample ID: MB 410-834897/5

Matrix: Water

Analysis Batch: 834897

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20	0.10	mg/L			06/13/26 00:59	1

Lab Sample ID: LCS 410-834897/3

Matrix: Water

Analysis Batch: 834897

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	1.50	1.49		mg/L		99	90 - 110

Lab Sample ID: LCSD 410-834897/4

Matrix: Water

Analysis Batch: 834897

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	1.50	1.49		mg/L		99	90 - 110	0	20

Lab Sample ID: 410-286100-19 MS

Matrix: Water

Analysis Batch: 834897

Client Sample ID: MW-79B

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	3.5		10.0	13.7		mg/L		101	90 - 110

Lab Sample ID: 410-286100-19 DU

Matrix: Water

Analysis Batch: 834897

Client Sample ID: MW-79B

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Fluoride	3.5		3.55		mg/L		0.6	15

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Lab Sample ID: MB 410-833762/18-A

Matrix: Water

Analysis Batch: 834331

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 833762

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.0	1.1	ng/L		06/11/26 14:02	06/12/26 22:56	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.60	ng/L		06/11/26 14:02	06/12/26 22:56	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.50	ng/L		06/11/26 14:02	06/12/26 22:56	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.80	ng/L		06/11/26 14:02	06/12/26 22:56	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.90	ng/L		06/11/26 14:02	06/12/26 22:56	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.50	ng/L		06/11/26 14:02	06/12/26 22:56	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.50	ng/L		06/11/26 14:02	06/12/26 22:56	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.50	ng/L		06/11/26 14:02	06/12/26 22:56	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.50	ng/L		06/11/26 14:02	06/12/26 22:56	1
Perfluorotridecanoic acid (PFTeDA)	ND		2.0	0.50	ng/L		06/11/26 14:02	06/12/26 22:56	1
Perfluorotetradecanoic acid (PFTeDA)	ND		2.0	0.50	ng/L		06/11/26 14:02	06/12/26 22:56	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.50	ng/L		06/11/26 14:02	06/12/26 22:56	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.50	ng/L		06/11/26 14:02	06/12/26 22:56	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.80	ng/L		06/11/26 14:02	06/12/26 22:56	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.50	ng/L		06/11/26 14:02	06/12/26 22:56	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	1.3	ng/L		06/11/26 14:02	06/12/26 22:56	1
Perfluorononanesulfonic acid (PFNS)	ND		2.0	0.50	ng/L		06/11/26 14:02	06/12/26 22:56	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.50	ng/L		06/11/26 14:02	06/12/26 22:56	1
Perfluorododecanesulfonic acid (PFDoS)	ND		2.0	0.60	ng/L		06/11/26 14:02	06/12/26 22:56	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		4.0	1.0	ng/L		06/11/26 14:02	06/12/26 22:56	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		4.0	1.0	ng/L		06/11/26 14:02	06/12/26 22:56	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		4.0	1.0	ng/L		06/11/26 14:02	06/12/26 22:56	1
Perfluorooctanesulfonamide (PFOSA)	ND		2.0	0.50	ng/L		06/11/26 14:02	06/12/26 22:56	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		2.0	0.50	ng/L		06/11/26 14:02	06/12/26 22:56	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		2.0	1.1	ng/L		06/11/26 14:02	06/12/26 22:56	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.0	0.50	ng/L		06/11/26 14:02	06/12/26 22:56	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.0	0.50	ng/L		06/11/26 14:02	06/12/26 22:56	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		10	4.0	ng/L		06/11/26 14:02	06/12/26 22:56	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		10	4.0	ng/L		06/11/26 14:02	06/12/26 22:56	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		2.0	1.4	ng/L		06/11/26 14:02	06/12/26 22:56	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.50	ng/L		06/11/26 14:02	06/12/26 22:56	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.50	ng/L		06/11/26 14:02	06/12/26 22:56	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.50	ng/L		06/11/26 14:02	06/12/26 22:56	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.50	ng/L		06/11/26 14:02	06/12/26 22:56	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		2.0	0.50	ng/L		06/11/26 14:02	06/12/26 22:56	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 410-833762/18-A

Matrix: Water

Analysis Batch: 834331

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 833762

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11CI-PF3OUdS)	ND		2.0	0.50	ng/L		06/11/26 14:02	06/12/26 22:56	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.50	ng/L		06/11/26 14:02	06/12/26 22:56	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		4.0	1.0	ng/L		06/11/26 14:02	06/12/26 22:56	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		10	2.8	ng/L		06/11/26 14:02	06/12/26 22:56	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		10	2.5	ng/L		06/11/26 14:02	06/12/26 22:56	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	76.9		5 - 130	06/11/26 14:02	06/12/26 22:56	1
13C5 PFPeA	84.7		40 - 130	06/11/26 14:02	06/12/26 22:56	1
13C5 PFHxA	81.8		40 - 130	06/11/26 14:02	06/12/26 22:56	1
13C4 PFHpA	83.3		40 - 130	06/11/26 14:02	06/12/26 22:56	1
13C8 PFOA	84.5		40 - 130	06/11/26 14:02	06/12/26 22:56	1
13C9 PFNA	84.4		40 - 130	06/11/26 14:02	06/12/26 22:56	1
13C6 PFDA	76.5		40 - 130	06/11/26 14:02	06/12/26 22:56	1
13C7 PFUnA	83.3		30 - 130	06/11/26 14:02	06/12/26 22:56	1
13C2 PFTeDA	71.5		10 - 130	06/11/26 14:02	06/12/26 22:56	1
13C3 PFBS	87.0		40 - 135	06/11/26 14:02	06/12/26 22:56	1
13C3 PFHxS	90.1		40 - 130	06/11/26 14:02	06/12/26 22:56	1
13C8 PFOS	85.4		40 - 130	06/11/26 14:02	06/12/26 22:56	1
13C8 FOSA	78.7		40 - 130	06/11/26 14:02	06/12/26 22:56	1
d3-NMeFOSAA	93.3		40 - 170	06/11/26 14:02	06/12/26 22:56	1
d5-NEtFOSAA	93.2		25 - 135	06/11/26 14:02	06/12/26 22:56	1
13C2 4:2 FTS	77.7		40 - 200	06/11/26 14:02	06/12/26 22:56	1
13C2 6:2 FTS	85.4		40 - 200	06/11/26 14:02	06/12/26 22:56	1
13C2 8:2 FTS	132		40 - 300	06/11/26 14:02	06/12/26 22:56	1
13C3 HFPO-DA	77.4		40 - 130	06/11/26 14:02	06/12/26 22:56	1
d7-N-MeFOSE-M	43.7		10 - 130	06/11/26 14:02	06/12/26 22:56	1
d9-N-EtFOSE-M	36.2		10 - 130	06/11/26 14:02	06/12/26 22:56	1
d5-NEtPFOSA	63.0		10 - 130	06/11/26 14:02	06/12/26 22:56	1
d3-NMePFOSA	62.8		10 - 130	06/11/26 14:02	06/12/26 22:56	1
13C2 PFDoA	77.6		10 - 130	06/11/26 14:02	06/12/26 22:56	1
13C3-3:3 FTCA	84.0		20 - 150	06/11/26 14:02	06/12/26 22:56	1
13C3-5:3 FTCA	62.8		20 - 150	06/11/26 14:02	06/12/26 22:56	1
13C3-PFDoS	73.7		20 - 150	06/11/26 14:02	06/12/26 22:56	1

Lab Sample ID: LCS 410-833762/19-A

Matrix: Water

Analysis Batch: 834331

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 833762

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	80.0	75.6		ng/L		95	70 - 140
Perfluoropentanoic acid (PFPeA)	40.0	35.7		ng/L		89	65 - 135
Perfluorohexanoic acid (PFHxA)	40.0	35.4		ng/L		89	70 - 145
Perfluoroheptanoic acid (PFHpA)	40.0	33.5		ng/L		84	70 - 150
Perfluorooctanoic acid (PFOA)	40.0	36.3		ng/L		91	70 - 150

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-833762/19-A

Matrix: Water

Analysis Batch: 834331

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 833762

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorononanoic acid (PFNA)	40.0	33.0		ng/L		83	70 - 150
Perfluorodecanoic acid (PFDA)	40.0	38.6		ng/L		96	70 - 140
Perfluoroundecanoic acid (PFUnA)	40.0	35.6		ng/L		89	70 - 145
Perfluorododecanoic acid (PFDoA)	40.0	37.3		ng/L		93	70 - 140
Perfluorotridecanoic acid (PFTrDA)	40.0	38.0		ng/L		95	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	40.0	34.3		ng/L		86	60 - 140
Perfluorobutanesulfonic acid (PFBS)	35.5	28.4		ng/L		80	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	37.6	33.8		ng/L		90	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	36.5	29.6		ng/L		81	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	38.2	31.8		ng/L		83	70 - 150
Perfluorooctanesulfonic acid (PFOS)	37.2	31.6		ng/L		85	55 - 150
Perfluorononanesulfonic acid (PFNS)	38.5	31.4		ng/L		82	65 - 145
Perfluorodecanesulfonic acid (PFDS)	38.6	30.4		ng/L		79	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	38.8	32.3		ng/L		83	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	75.0	64.4		ng/L		86	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	76.2	68.5		ng/L		90	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	76.8	65.4		ng/L		85	60 - 150
Perfluorooctanesulfonamide (PFOSA)	40.0	34.5		ng/L		86	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	40.0	36.2		ng/L		90	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	40.0	36.5		ng/L		91	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	31.6		ng/L		79	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	32.5		ng/L		81	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	200	183		ng/L		92	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	200	185		ng/L		92	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	30.1	27.2		ng/L		91	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	38.8		ng/L		103	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	40.0	34.3		ng/L		86	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	40.0	35.7		ng/L		89	60 - 150

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-833762/19-A

Matrix: Water

Analysis Batch: 834331

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 833762

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	40.0	30.7		ng/L		77	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	37.4	32.7		ng/L		87	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	37.8	31.8		ng/L		84	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	35.7	32.1		ng/L		90	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	80.0	56.8		ng/L		71	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	200	149		ng/L		74	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	200	132		ng/L		66	50 - 145

Isotope Dilution	%Recovery	LCS Qualifier	Limits
13C4 PFBA	81.3		5 - 130
13C5 PFPeA	84.6		40 - 130
13C5 PFHxA	86.5		40 - 130
13C4 PFHpA	91.6		40 - 130
13C8 PFOA	85.7		40 - 130
13C9 PFNA	89.5		40 - 130
13C6 PFDA	78.5		40 - 130
13C7 PFUnA	85.7		30 - 130
13C2 PFTeDA	72.0		10 - 130
13C3 PFBS	89.9		40 - 135
13C3 PFHxS	85.2		40 - 130
13C8 PFOS	94.7		40 - 130
13C8 FOSA	82.5		40 - 130
d3-NMeFOSAA	96.1		40 - 170
d5-NEtFOSAA	96.2		25 - 135
13C2 4:2 FTS	76.3		40 - 200
13C2 6:2 FTS	81.3		40 - 200
13C2 8:2 FTS	131		40 - 300
13C3 HFPO-DA	79.5		40 - 130
d7-N-MeFOSE-M	62.3		10 - 130
d9-N-EtFOSE-M	54.1		10 - 130
d5-NEtPFOSA	66.9		10 - 130
d3-NMePFOSA	69.4		10 - 130
13C2 PFDoA	86.0		10 - 130
13C3-3:3 FTCA	92.6		20 - 150
13C3-5:3 FTCA	70.4		20 - 150
13C3-PFDoS	76.9		20 - 150

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 410-833762/20-A

Matrix: Water

Analysis Batch: 834331

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 833762

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	8.00	8.31		ng/L		104	70 - 140
Perfluoropentanoic acid (PFPeA)	4.00	4.52		ng/L		113	65 - 135
Perfluorohexanoic acid (PFHxA)	4.00	4.56		ng/L		114	70 - 145
Perfluoroheptanoic acid (PFHpA)	4.00	4.17		ng/L		104	70 - 150
Perfluorooctanoic acid (PFOA)	4.00	4.67		ng/L		117	70 - 150
Perfluorononanoic acid (PFNA)	4.00	3.73		ng/L		93	70 - 150
Perfluorodecanoic acid (PFDA)	4.00	5.29		ng/L		132	70 - 140
Perfluoroundecanoic acid (PFUnA)	4.00	4.24		ng/L		106	70 - 145
Perfluorododecanoic acid (PFDoA)	4.00	3.86		ng/L		97	70 - 140
Perfluorotridecanoic acid (PFTrDA)	4.00	4.50		ng/L		112	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	4.00	3.69		ng/L		92	60 - 140
Perfluorobutanesulfonic acid (PFBS)	3.55	3.43		ng/L		96	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	3.76	3.90		ng/L		104	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	3.65	3.52		ng/L		96	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	3.82	3.48		ng/L		91	70 - 150
Perfluorooctanesulfonic acid (PFOS)	3.72	4.05		ng/L		109	55 - 150
Perfluorononanesulfonic acid (PFNS)	3.85	3.49		ng/L		91	65 - 145
Perfluorodecanesulfonic acid (PFDS)	3.86	3.34		ng/L		87	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	3.88	3.81		ng/L		98	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	7.50	7.64		ng/L		102	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	7.62	6.41		ng/L		84	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	7.68	8.11		ng/L		106	60 - 150
Perfluorooctanesulfonamide (PFOSA)	4.00	4.44		ng/L		111	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	4.00	4.52		ng/L		113	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	4.00	4.50		ng/L		113	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.00	4.65		ng/L		116	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.00	5.04		ng/L		126	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	20.0	24.7		ng/L		124	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	20.0	25.9		ng/L		129	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	3.01	2.67		ng/L		89	70 - 140

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 410-833762/20-A

Matrix: Water

Analysis Batch: 834331

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 833762

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	3.78	4.15		ng/L		110	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.00	3.67		ng/L		92	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.00	3.65		ng/L		91	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.00	4.00		ng/L		100	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	3.74	3.46		ng/L		93	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	3.78	3.66		ng/L		97	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	3.57	3.44		ng/L		96	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	8.00	8.69		ng/L		109	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	20.0	23.5		ng/L		118	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	20.0	20.3		ng/L		102	50 - 145

Isotope Dilution	LLCS %Recovery	LLCS Qualifier	Limits
13C4 PFBA	74.4		5 - 130
13C5 PFPeA	86.0		40 - 130
13C5 PFHxA	84.2		40 - 130
13C4 PFHpA	86.6		40 - 130
13C8 PFOA	84.1		40 - 130
13C9 PFNA	91.3		40 - 130
13C6 PFDA	77.7		40 - 130
13C7 PFUnA	80.4		30 - 130
13C2 PFTeDA	79.1		10 - 130
13C3 PFBS	84.6		40 - 135
13C3 PFHxS	88.8		40 - 130
13C8 PFOS	91.6		40 - 130
13C8 FOSA	78.6		40 - 130
d3-NMeFOSAA	97.2		40 - 170
d5-NEtFOSAA	95.1		25 - 135
13C2 4:2 FTS	70.6		40 - 200
13C2 6:2 FTS	88.1		40 - 200
13C2 8:2 FTS	129		40 - 300
13C3 HFPO-DA	80.9		40 - 130
d7-N-MeFOSE-M	48.4		10 - 130
d9-N-EtFOSE-M	42.0		10 - 130
d5-NEtPFOSA	64.8		10 - 130
d3-NMePFOSA	64.0		10 - 130
13C2 PFDaA	83.4		10 - 130
13C3-3:3 FTCA	88.5		20 - 150
13C3-5:3 FTCA	66.7		20 - 150
13C3-PFDaS	76.1		20 - 150

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: 410-286100-1 MS

Matrix: Water

Analysis Batch: 834331

Client Sample ID: MW-81

Prep Type: Total/NA

Prep Batch: 833762

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	11		83.5	91.0		ng/L		96	70 - 140
Perfluoropentanoic acid (PFPeA)	20		41.7	58.4		ng/L		93	65 - 135
Perfluorohexanoic acid (PFHxA)	15	FL	41.7	51.2		ng/L		87	70 - 145
Perfluoroheptanoic acid (PFHpA)	9.8		41.7	47.2		ng/L		90	70 - 150
Perfluorooctanoic acid (PFOA)	12		41.7	50.9		ng/L		93	70 - 150
Perfluorononanoic acid (PFNA)	4.7		41.7	42.7		ng/L		91	70 - 150
Perfluorodecanoic acid (PFDA)	ND		41.7	42.9		ng/L		103	70 - 140
Perfluoroundecanoic acid (PFUnA)	ND		41.7	37.0		ng/L		89	70 - 145
Perfluorododecanoic acid (PFDoA)	ND		41.7	38.6		ng/L		93	70 - 140
Perfluorotridecanoic acid (PFTrDA)	ND		41.7	41.0		ng/L		98	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	ND		41.7	39.4		ng/L		94	60 - 140
Perfluorobutanesulfonic acid (PFBS)	2.6		37.1	33.5		ng/L		83	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	ND	F2	39.2	39.4		ng/L		101	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	1.8		38.1	32.9		ng/L		82	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	ND		39.8	35.5		ng/L		89	70 - 150
Perfluorooctanesulfonic acid (PFOS)	7.7		38.8	40.7		ng/L		85	55 - 150
Perfluorononanesulfonic acid (PFNS)	ND		40.2	34.1		ng/L		85	65 - 145
Perfluorodecanesulfonic acid (PFDS)	ND		40.2	34.8		ng/L		87	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	ND		40.5	39.0		ng/L		96	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		78.3	72.6		ng/L		93	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		79.5	73.5		ng/L		92	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		80.1	74.2		ng/L		93	60 - 150
Perfluorooctanesulfonamide (PFOSA)	ND		41.7	37.7		ng/L		90	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		41.7	37.4		ng/L		90	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		41.7	37.0		ng/L		89	65 - 145
N-methylperfluorooctanesulfonamide (NMeFOSAA)	ND		41.7	32.2		ng/L		77	50 - 140
N-ethylperfluorooctanesulfonamide (NEtFOSAA)	ND		41.7	35.5		ng/L		85	70 - 145
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		31.4	27.7		ng/L		88	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		39.5	34.8		ng/L		88	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		41.7	38.7		ng/L		93	55 - 140

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: 410-286100-1 MS

Matrix: Water

Analysis Batch: 834331

Client Sample ID: MW-81

Prep Type: Total/NA

Prep Batch: 833762

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		41.7	35.9		ng/L		86	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		41.7	36.2		ng/L		87	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		39.0	36.3		ng/L		93	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		39.4	35.6		ng/L		90	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		37.2	31.8		ng/L		85	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		83.5	61.5		ng/L		74	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		209	158		ng/L		76	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		209	134		ng/L		64	50 - 145

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	84.8		5 - 130
13C5 PFPeA	88.5		40 - 130
13C5 PFHxA	83.7		40 - 130
13C4 PFHpA	83.9		40 - 130
13C8 PFOA	72.7		40 - 130
13C9 PFNA	69.2		40 - 130
13C6 PFDA	58.5		40 - 130
13C7 PFUnA	66.9		30 - 130
13C2 PFTeDA	63.8		10 - 130
13C3 PFBS	83.4		40 - 135
13C3 PFHxS	75.0		40 - 130
13C8 PFOS	73.0		40 - 130
13C8 FOSA	67.0		40 - 130
d3-NMeFOSAA	79.6		40 - 170
d5-NEtFOSAA	76.3		25 - 135
13C2 4:2 FTS	74.2		40 - 200
13C2 6:2 FTS	67.4		40 - 200
13C2 8:2 FTS	93.4		40 - 300
13C3 HFPO-DA	80.5		40 - 130
d5-NEtPFOSA	61.3		10 - 130
d3-NMePFOSA	62.7		10 - 130
13C2 PFDoA	64.0		10 - 130
13C3-3:3 FTCA	99.0		20 - 150
13C3-5:3 FTCA	80.3		20 - 150
13C3-PFDoS	65.4		20 - 150

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: 410-286100-1 MSD

Matrix: Water

Analysis Batch: 834331

Client Sample ID: MW-81

Prep Type: Total/NA

Prep Batch: 833762

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	11		78.2	78.8		ng/L		87	70 - 140	14	30
Perfluoropentanoic acid (PFPeA)	20		39.1	48.5		ng/L		74	65 - 135	18	30
Perfluorohexanoic acid (PFHxA)	15	FL	39.1	41.1	FL	ng/L		67	70 - 145	22	30
Perfluoroheptanoic acid (PFHpA)	9.8		39.1	43.2		ng/L		85	70 - 150	9	30
Perfluorooctanoic acid (PFOA)	12		39.1	43.4		ng/L		80	70 - 150	16	30
Perfluorononanoic acid (PFNA)	4.7		39.1	34.3		ng/L		76	70 - 150	22	30
Perfluorodecanoic acid (PFDA)	ND		39.1	37.7		ng/L		96	70 - 140	13	30
Perfluoroundecanoic acid (PFUnA)	ND		39.1	34.0		ng/L		87	70 - 145	8	30
Perfluorododecanoic acid (PFDoA)	ND		39.1	34.1		ng/L		87	70 - 140	12	30
Perfluorotridecanoic acid (PFTrDA)	ND		39.1	32.0		ng/L		82	65 - 140	25	30
Perfluorotetradecanoic acid (PFTeDA)	ND		39.1	32.5		ng/L		83	60 - 140	19	30
Perfluorobutanesulfonic acid (PFBS)	2.6		34.7	28.6		ng/L		75	60 - 145	16	30
Perfluoropentanesulfonic acid (PFPeS)	ND	F2	36.7	27.4	F2	ng/L		74	65 - 140	36	30
Perfluorohexanesulfonic acid (PFHxS)	1.8		35.7	26.6		ng/L		70	65 - 145	21	30
Perfluoroheptanesulfonic acid (PFHpS)	ND		37.3	28.4		ng/L		76	70 - 150	22	30
Perfluorooctanesulfonic acid (PFOS)	7.7		36.4	34.6		ng/L		74	55 - 150	16	30
Perfluorononanesulfonic acid (PFNS)	ND		37.6	29.1		ng/L		77	65 - 145	16	30
Perfluorodecanesulfonic acid (PFDS)	ND		37.7	27.5		ng/L		73	60 - 145	23	30
Perfluorododecanesulfonic acid (PFDoS)	ND		37.9	30.9		ng/L		81	50 - 145	23	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		73.3	63.1		ng/L		86	70 - 145	14	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		74.4	64.7		ng/L		87	65 - 155	13	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		75.1	65.9		ng/L		88	60 - 150	12	30
Perfluorooctanesulfonamide (PFOSA)	ND		39.1	33.5		ng/L		86	70 - 145	12	30
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		39.1	34.1		ng/L		87	60 - 150	9	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		39.1	31.4		ng/L		80	65 - 145	16	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		39.1	30.0		ng/L		77	50 - 140	7	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		39.1	30.7		ng/L		79	70 - 145	14	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		29.4	24.9		ng/L		85	70 - 140	11	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		37.0	35.6		ng/L		96	65 - 145	2	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		39.1	32.6		ng/L		83	55 - 140	17	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: 410-286100-1 MSD

Matrix: Water

Analysis Batch: 834331

Client Sample ID: MW-81

Prep Type: Total/NA

Prep Batch: 833762

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		39.1	31.2		ng/L		80	60 - 150	14	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		39.1	27.1		ng/L		69	50 - 150	29	30
9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	ND		36.5	27.9		ng/L		76	70 - 155	26	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		36.9	30.0		ng/L		81	55 - 160	17	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	ND		34.9	26.8		ng/L		77	70 - 140	17	30
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		78.2	56.6		ng/L		72	65 - 130	8	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		195	143		ng/L		73	70 - 135	10	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		195	149		ng/L		76	50 - 145	11	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFBA	67.9		5 - 130
13C5 PFPeA	74.7		40 - 130
13C5 PFHxA	77.9		40 - 130
13C4 PFHpA	73.1		40 - 130
13C8 PFOA	83.6		40 - 130
13C9 PFNA	94.2		40 - 130
13C6 PFDA	82.6		40 - 130
13C7 PFUnA	90.9		30 - 130
13C2 PFTeDA	89.2		10 - 130
13C3 PFBS	77.9		40 - 135
13C3 PFHxS	89.2		40 - 130
13C8 PFOS	98.8		40 - 130
13C8 FOSA	82.8		40 - 130
d3-NMeFOSAA	107		40 - 170
d5-NEtFOSAA	106		25 - 135
13C2 4:2 FTS	71.5		40 - 200
13C2 6:2 FTS	83.7		40 - 200
13C2 8:2 FTS	132		40 - 300
13C3 HFPO-DA	69.4		40 - 130
d5-NEtPFOSA	80.0		10 - 130
d3-NMePFOSA	78.2		10 - 130
13C2 PFDoA	95.3		10 - 130
13C3-3:3 FTCA	75.2		20 - 150
13C3-5:3 FTCA	71.4		20 - 150
13C3-PFDoS	87.9		20 - 150

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 410-834181/13-A

Matrix: Water

Analysis Batch: 834336

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 834181

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.0	1.1	ng/L		06/12/26 07:45	06/12/26 21:34	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.60	ng/L		06/12/26 07:45	06/12/26 21:34	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.50	ng/L		06/12/26 07:45	06/12/26 21:34	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.80	ng/L		06/12/26 07:45	06/12/26 21:34	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.90	ng/L		06/12/26 07:45	06/12/26 21:34	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.50	ng/L		06/12/26 07:45	06/12/26 21:34	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.50	ng/L		06/12/26 07:45	06/12/26 21:34	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.50	ng/L		06/12/26 07:45	06/12/26 21:34	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.50	ng/L		06/12/26 07:45	06/12/26 21:34	1
Perfluorotridecanoic acid (PFTeDA)	ND		2.0	0.50	ng/L		06/12/26 07:45	06/12/26 21:34	1
Perfluorotetradecanoic acid (PFTeDA)	ND		2.0	0.50	ng/L		06/12/26 07:45	06/12/26 21:34	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.50	ng/L		06/12/26 07:45	06/12/26 21:34	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.50	ng/L		06/12/26 07:45	06/12/26 21:34	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.80	ng/L		06/12/26 07:45	06/12/26 21:34	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.50	ng/L		06/12/26 07:45	06/12/26 21:34	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	1.3	ng/L		06/12/26 07:45	06/12/26 21:34	1
Perfluorononanesulfonic acid (PFNS)	ND		2.0	0.50	ng/L		06/12/26 07:45	06/12/26 21:34	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.50	ng/L		06/12/26 07:45	06/12/26 21:34	1
Perfluorododecanesulfonic acid (PFDoS)	ND		2.0	0.60	ng/L		06/12/26 07:45	06/12/26 21:34	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		4.0	1.0	ng/L		06/12/26 07:45	06/12/26 21:34	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		4.0	1.0	ng/L		06/12/26 07:45	06/12/26 21:34	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		4.0	1.0	ng/L		06/12/26 07:45	06/12/26 21:34	1
Perfluorooctanesulfonamide (PFOSA)	ND		2.0	0.50	ng/L		06/12/26 07:45	06/12/26 21:34	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		2.0	0.50	ng/L		06/12/26 07:45	06/12/26 21:34	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		2.0	1.1	ng/L		06/12/26 07:45	06/12/26 21:34	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.0	0.50	ng/L		06/12/26 07:45	06/12/26 21:34	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.0	0.50	ng/L		06/12/26 07:45	06/12/26 21:34	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		10	4.0	ng/L		06/12/26 07:45	06/12/26 21:34	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		10	4.0	ng/L		06/12/26 07:45	06/12/26 21:34	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		2.0	1.4	ng/L		06/12/26 07:45	06/12/26 21:34	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.50	ng/L		06/12/26 07:45	06/12/26 21:34	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.50	ng/L		06/12/26 07:45	06/12/26 21:34	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.50	ng/L		06/12/26 07:45	06/12/26 21:34	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.50	ng/L		06/12/26 07:45	06/12/26 21:34	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	ND		2.0	0.50	ng/L		06/12/26 07:45	06/12/26 21:34	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 410-834181/13-A

Matrix: Water

Analysis Batch: 834336

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 834181

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11CI-PF3OUdS)	ND		2.0	0.50	ng/L		06/12/26 07:45	06/12/26 21:34	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.50	ng/L		06/12/26 07:45	06/12/26 21:34	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		4.0	1.0	ng/L		06/12/26 07:45	06/12/26 21:34	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		10	2.8	ng/L		06/12/26 07:45	06/12/26 21:34	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		10	2.5	ng/L		06/12/26 07:45	06/12/26 21:34	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	95.6		5 - 130	06/12/26 07:45	06/12/26 21:34	1
13C5 PFPeA	94.4		40 - 130	06/12/26 07:45	06/12/26 21:34	1
13C5 PFHxA	88.1		40 - 130	06/12/26 07:45	06/12/26 21:34	1
13C4 PFHpA	91.4		40 - 130	06/12/26 07:45	06/12/26 21:34	1
13C8 PFOA	86.8		40 - 130	06/12/26 07:45	06/12/26 21:34	1
13C9 PFNA	85.1		40 - 130	06/12/26 07:45	06/12/26 21:34	1
13C6 PFDA	78.5		40 - 130	06/12/26 07:45	06/12/26 21:34	1
13C7 PFUnA	80.9		30 - 130	06/12/26 07:45	06/12/26 21:34	1
13C2 PFTeDA	70.0		10 - 130	06/12/26 07:45	06/12/26 21:34	1
13C3 PFBS	85.9		40 - 135	06/12/26 07:45	06/12/26 21:34	1
13C3 PFHxS	88.0		40 - 130	06/12/26 07:45	06/12/26 21:34	1
13C8 PFOS	86.7		40 - 130	06/12/26 07:45	06/12/26 21:34	1
13C8 FOSA	81.7		40 - 130	06/12/26 07:45	06/12/26 21:34	1
d3-NMeFOSAA	68.4		40 - 170	06/12/26 07:45	06/12/26 21:34	1
d5-NEtFOSAA	64.8		25 - 135	06/12/26 07:45	06/12/26 21:34	1
13C2 4:2 FTS	66.5		40 - 200	06/12/26 07:45	06/12/26 21:34	1
13C2 6:2 FTS	70.1		40 - 200	06/12/26 07:45	06/12/26 21:34	1
13C2 8:2 FTS	87.6		40 - 300	06/12/26 07:45	06/12/26 21:34	1
13C3 HFPO-DA	85.4		40 - 130	06/12/26 07:45	06/12/26 21:34	1
d7-N-MeFOSE-M	67.9		10 - 130	06/12/26 07:45	06/12/26 21:34	1
d9-N-EtFOSE-M	62.5		10 - 130	06/12/26 07:45	06/12/26 21:34	1
d5-NEtPFOSA	68.2		10 - 130	06/12/26 07:45	06/12/26 21:34	1
d3-NMePFOSA	70.2		10 - 130	06/12/26 07:45	06/12/26 21:34	1
13C2 PFDoA	77.6		10 - 130	06/12/26 07:45	06/12/26 21:34	1
13C3-3:3 FTCA	122		20 - 150	06/12/26 07:45	06/12/26 21:34	1
13C3-5:3 FTCA	87.1		20 - 150	06/12/26 07:45	06/12/26 21:34	1
13C3-PFDoS	64.1		20 - 150	06/12/26 07:45	06/12/26 21:34	1

Lab Sample ID: LCS 410-834181/14-A

Matrix: Water

Analysis Batch: 834336

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 834181

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	80.0	77.7		ng/L		97	70 - 140
Perfluoropentanoic acid (PFPeA)	40.0	35.0		ng/L		87	65 - 135
Perfluorohexanoic acid (PFHxA)	40.0	38.1		ng/L		95	70 - 145
Perfluoroheptanoic acid (PFHpA)	40.0	36.6		ng/L		92	70 - 150
Perfluorooctanoic acid (PFOA)	40.0	39.5		ng/L		99	70 - 150

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-834181/14-A

Matrix: Water

Analysis Batch: 834336

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 834181

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorononanoic acid (PFNA)	40.0	35.5		ng/L		89	70 - 150
Perfluorodecanoic acid (PFDA)	40.0	39.4		ng/L		98	70 - 140
Perfluoroundecanoic acid (PFUnA)	40.0	37.3		ng/L		93	70 - 145
Perfluorododecanoic acid (PFDoA)	40.0	38.1		ng/L		95	70 - 140
Perfluorotridecanoic acid (PFTrDA)	40.0	36.3		ng/L		91	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	40.0	35.8		ng/L		90	60 - 140
Perfluorobutanesulfonic acid (PFBS)	35.5	32.1		ng/L		90	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	37.6	35.1		ng/L		93	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	36.5	32.5		ng/L		89	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	38.2	33.1		ng/L		87	70 - 150
Perfluorooctanesulfonic acid (PFOS)	37.2	33.1		ng/L		89	55 - 150
Perfluorononanesulfonic acid (PFNS)	38.5	31.8		ng/L		83	65 - 145
Perfluorodecanesulfonic acid (PFDS)	38.6	30.8		ng/L		80	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	38.8	35.8		ng/L		92	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	75.0	75.4		ng/L		101	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	76.2	64.1		ng/L		84	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	76.8	69.1		ng/L		90	60 - 150
Perfluorooctanesulfonamide (PFOSA)	40.0	36.8		ng/L		92	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	40.0	36.3		ng/L		91	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	40.0	36.9		ng/L		92	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	35.0		ng/L		88	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	34.5		ng/L		86	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	200	190		ng/L		95	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	200	195		ng/L		98	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	30.1	27.3		ng/L		91	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	34.6		ng/L		91	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	40.0	36.1		ng/L		90	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	40.0	35.0		ng/L		88	60 - 150

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-834181/14-A

Matrix: Water

Analysis Batch: 834336

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 834181

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	40.0	37.4		ng/L		93	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	37.4	31.2		ng/L		84	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	37.8	29.4		ng/L		78	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	35.7	32.0		ng/L		90	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	80.0	61.8		ng/L		77	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	200	185		ng/L		92	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	200	153		ng/L		77	50 - 145

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFBA	99.4		5 - 130
13C5 PFPeA	105		40 - 130
13C5 PFHxA	96.2		40 - 130
13C4 PFHpA	98.7		40 - 130
13C8 PFOA	96.5		40 - 130
13C9 PFNA	94.4		40 - 130
13C6 PFDA	85.7		40 - 130
13C7 PFUnA	87.3		30 - 130
13C2 PFTeDA	78.3		10 - 130
13C3 PFBS	94.8		40 - 135
13C3 PFHxS	94.1		40 - 130
13C8 PFOS	91.2		40 - 130
13C8 FOSA	84.6		40 - 130
d3-NMeFOSAA	68.2		40 - 170
d5-NEtFOSAA	64.8		25 - 135
13C2 4:2 FTS	68.8		40 - 200
13C2 6:2 FTS	74.5		40 - 200
13C2 8:2 FTS	83.1		40 - 300
13C3 HFPO-DA	96.7		40 - 130
d7-N-MeFOSE-M	75.6		10 - 130
d9-N-EtFOSE-M	71.0		10 - 130
d5-NEtPFOSA	64.6		10 - 130
d3-NMePFOSA	67.6		10 - 130
13C2 PFDoA	87.7		10 - 130
13C3-3:3 FTCA	120		20 - 150
13C3-5:3 FTCA	91.3		20 - 150
13C3-PFDoS	72.4		20 - 150

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCSD 410-834181/15-A

Matrix: Water

Analysis Batch: 834336

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 834181

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	Limit
	Added	Result	Qualifier				Limits		
Perfluorobutanoic acid (PFBA)	80.0	75.4		ng/L		94	70 - 140	3	30
Perfluoropentanoic acid (PFPeA)	40.0	36.8		ng/L		92	65 - 135	5	30
Perfluorohexanoic acid (PFHxA)	40.0	35.8		ng/L		90	70 - 145	6	30
Perfluoroheptanoic acid (PFHpA)	40.0	35.6		ng/L		89	70 - 150	3	30
Perfluorooctanoic acid (PFOA)	40.0	40.1		ng/L		100	70 - 150	1	30
Perfluorononanoic acid (PFNA)	40.0	36.4		ng/L		91	70 - 150	2	30
Perfluorodecanoic acid (PFDA)	40.0	40.4		ng/L		101	70 - 140	3	30
Perfluoroundecanoic acid (PFUnA)	40.0	37.8		ng/L		95	70 - 145	1	30
Perfluorododecanoic acid (PFDoA)	40.0	38.0		ng/L		95	70 - 140	0	30
Perfluorotridecanoic acid (PFTTrDA)	40.0	36.4		ng/L		91	65 - 140	0	30
Perfluorotetradecanoic acid (PFTeDA)	40.0	34.5		ng/L		86	60 - 140	4	30
Perfluorobutanesulfonic acid (PFBS)	35.5	32.8		ng/L		92	60 - 145	2	30
Perfluoropentanesulfonic acid (PFPeS)	37.6	35.6		ng/L		95	65 - 140	2	30
Perfluorohexanesulfonic acid (PFHxS)	36.5	32.2		ng/L		88	65 - 145	1	30
Perfluoroheptanesulfonic acid (PFHpS)	38.2	33.2		ng/L		87	70 - 150	0	30
Perfluorooctanesulfonic acid (PFOS)	37.2	33.1		ng/L		89	55 - 150	0	30
Perfluorononanesulfonic acid (PFNS)	38.5	32.7		ng/L		85	65 - 145	3	30
Perfluorodecanesulfonic acid (PFDS)	38.6	31.7		ng/L		82	60 - 145	3	30
Perfluorododecanesulfonic acid (PFDoS)	38.8	36.0		ng/L		93	50 - 145	0	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	75.0	74.3		ng/L		99	70 - 145	2	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	76.2	73.9		ng/L		97	65 - 155	14	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	76.8	73.8		ng/L		96	60 - 150	7	30
Perfluorooctanesulfonamide (PFOSA)	40.0	37.1		ng/L		93	70 - 145	1	30
N-methylperfluorooctane sulfonamide (NMeFOSA)	40.0	37.1		ng/L		93	60 - 150	2	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	40.0	37.0		ng/L		92	65 - 145	0	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	33.9		ng/L		85	50 - 140	3	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	36.5		ng/L		91	70 - 145	6	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	200	186		ng/L		93	70 - 145	2	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	200	194		ng/L		97	70 - 135	1	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	30.1	26.6		ng/L		88	70 - 140	3	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCSD 410-834181/15-A

Matrix: Water

Analysis Batch: 834336

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 834181

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	34.3		ng/L		91	65 - 145	1	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	40.0	37.3		ng/L		93	55 - 140	3	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	40.0	36.0		ng/L		90	60 - 150	3	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	40.0	36.8		ng/L		92	50 - 150	2	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	37.4	31.4		ng/L		84	70 - 155	1	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	37.8	30.3		ng/L		80	55 - 160	3	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	35.7	27.5		ng/L		77	70 - 140	15	30
3-Perfluoropropylpropanoic acid (3:3 FTCA)	80.0	60.0		ng/L		75	65 - 130	3	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)	200	169		ng/L		85	70 - 135	9	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	200	170		ng/L		85	50 - 145	10	30

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
13C4 PFBA	103		5 - 130
13C5 PFPeA	100		40 - 130
13C5 PFHxA	97.2		40 - 130
13C4 PFHpA	92.3		40 - 130
13C8 PFOA	84.7		40 - 130
13C9 PFNA	88.7		40 - 130
13C6 PFDA	76.3		40 - 130
13C7 PFUnA	80.5		30 - 130
13C2 PFTeDA	72.8		10 - 130
13C3 PFBS	87.4		40 - 135
13C3 PFHxS	83.4		40 - 130
13C8 PFOS	80.8		40 - 130
13C8 FOSA	83.7		40 - 130
d3-NMeFOSAA	64.7		40 - 170
d5-NEtFOSAA	64.4		25 - 135
13C2 4:2 FTS	67.9		40 - 200
13C2 6:2 FTS	65.3		40 - 200
13C2 8:2 FTS	73.0		40 - 300
13C3 HFPO-DA	91.4		40 - 130
d7-N-MeFOSE-M	76.1		10 - 130
d9-N-EtFOSE-M	70.4		10 - 130
d5-NEtPFOSA	66.9		10 - 130
d3-NMePFOSA	69.4		10 - 130
13C2 PFDaA	83.1		10 - 130
13C3-3:3 FTCA	122		20 - 150
13C3-5:3 FTCA	99.3		20 - 150
13C3-PFDaS	61.6		20 - 150

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 410-834181/16-A

Matrix: Water

Analysis Batch: 834336

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 834181

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	8.00	7.62		ng/L		95	70 - 140
Perfluoropentanoic acid (PFPeA)	4.00	3.83		ng/L		96	65 - 135
Perfluorohexanoic acid (PFHxA)	4.00	3.73		ng/L		93	70 - 145
Perfluoroheptanoic acid (PFHpA)	4.00	3.88		ng/L		97	70 - 150
Perfluorooctanoic acid (PFOA)	4.00	4.70		ng/L		118	70 - 150
Perfluorononanoic acid (PFNA)	4.00	4.03		ng/L		101	70 - 150
Perfluorodecanoic acid (PFDA)	4.00	4.65		ng/L		116	70 - 140
Perfluoroundecanoic acid (PFUnA)	4.00	4.41		ng/L		110	70 - 145
Perfluorododecanoic acid (PFDoA)	4.00	4.10		ng/L		102	70 - 140
Perfluorotridecanoic acid (PFTrDA)	4.00	3.68		ng/L		92	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	4.00	4.04		ng/L		101	60 - 140
Perfluorobutanesulfonic acid (PFBS)	3.55	3.40		ng/L		96	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	3.76	4.02		ng/L		107	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	3.65	4.23		ng/L		116	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	3.82	3.53		ng/L		92	70 - 150
Perfluorooctanesulfonic acid (PFOS)	3.72	3.68		ng/L		99	55 - 150
Perfluorononanesulfonic acid (PFNS)	3.85	3.56		ng/L		93	65 - 145
Perfluorodecanesulfonic acid (PFDS)	3.86	3.31		ng/L		86	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	3.88	3.69		ng/L		95	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	7.50	8.34		ng/L		111	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	7.62	7.61		ng/L		100	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	7.68	7.76		ng/L		101	60 - 150
Perfluorooctanesulfonamide (PFOSA)	4.00	4.06		ng/L		102	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	4.00	3.86		ng/L		96	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	4.00	3.80		ng/L		95	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.00	4.27		ng/L		107	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.00	4.06		ng/L		102	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	20.0	20.5		ng/L		103	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	20.0	21.4		ng/L		107	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	3.01	2.91		ng/L		97	70 - 140

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 410-834181/16-A

Matrix: Water

Analysis Batch: 834336

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 834181

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.78	3.78		ng/L		100	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.00	3.94		ng/L		98	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.00	3.73		ng/L		93	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.00	4.25		ng/L		106	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	3.74	3.36		ng/L		90	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	3.78	2.93		ng/L		78	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	3.57	2.94		ng/L		82	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	8.00	6.90		ng/L		86	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	20.0	21.8		ng/L		109	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	20.0	21.6		ng/L		108	50 - 145

Isotope Dilution	LLCS %Recovery	LLCS Qualifier	Limits
13C4 PFBA	97.3		5 - 130
13C5 PFPeA	101		40 - 130
13C5 PFHxA	97.1		40 - 130
13C4 PFHpA	96.2		40 - 130
13C8 PFOA	89.6		40 - 130
13C9 PFNA	89.4		40 - 130
13C6 PFDA	77.2		40 - 130
13C7 PFUnA	80.6		30 - 130
13C2 PFTeDA	71.0		10 - 130
13C3 PFBS	90.7		40 - 135
13C3 PFHxS	89.4		40 - 130
13C8 PFOS	89.0		40 - 130
13C8 FOSA	84.1		40 - 130
d3-NMeFOSAA	68.7		40 - 170
d5-NEtFOSAA	70.3		25 - 135
13C2 4:2 FTS	68.0		40 - 200
13C2 6:2 FTS	70.2		40 - 200
13C2 8:2 FTS	82.3		40 - 300
13C3 HFPO-DA	90.4		40 - 130
d7-N-MeFOSE-M	68.8		10 - 130
d9-N-EtFOSE-M	62.8		10 - 130
d5-NEtPFOSA	68.9		10 - 130
d3-NMePFOSA	71.4		10 - 130
13C2 PFDaA	82.4		10 - 130
13C3-3:3 FTCA	126		20 - 150
13C3-5:3 FTCA	96.6		20 - 150
13C3-PFDaS	70.6		20 - 150

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 410-835472/21-A

Matrix: Water

Analysis Batch: 835324

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 835472

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.0	1.1	ng/L		06/15/26 14:14	06/16/26 04:35	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.60	ng/L		06/15/26 14:14	06/16/26 04:35	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.50	ng/L		06/15/26 14:14	06/16/26 04:35	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.80	ng/L		06/15/26 14:14	06/16/26 04:35	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.90	ng/L		06/15/26 14:14	06/16/26 04:35	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.50	ng/L		06/15/26 14:14	06/16/26 04:35	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.50	ng/L		06/15/26 14:14	06/16/26 04:35	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.50	ng/L		06/15/26 14:14	06/16/26 04:35	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.50	ng/L		06/15/26 14:14	06/16/26 04:35	1
Perfluorotridecanoic acid (PFTeDA)	ND		2.0	0.50	ng/L		06/15/26 14:14	06/16/26 04:35	1
Perfluorotetradecanoic acid (PFTeDA)	ND		2.0	0.50	ng/L		06/15/26 14:14	06/16/26 04:35	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.50	ng/L		06/15/26 14:14	06/16/26 04:35	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.50	ng/L		06/15/26 14:14	06/16/26 04:35	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.80	ng/L		06/15/26 14:14	06/16/26 04:35	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.50	ng/L		06/15/26 14:14	06/16/26 04:35	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	1.3	ng/L		06/15/26 14:14	06/16/26 04:35	1
Perfluorononanesulfonic acid (PFNS)	ND		2.0	0.50	ng/L		06/15/26 14:14	06/16/26 04:35	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.50	ng/L		06/15/26 14:14	06/16/26 04:35	1
Perfluorododecanesulfonic acid (PFDoS)	ND		2.0	0.60	ng/L		06/15/26 14:14	06/16/26 04:35	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		4.0	1.0	ng/L		06/15/26 14:14	06/16/26 04:35	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		4.0	1.0	ng/L		06/15/26 14:14	06/16/26 04:35	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		4.0	1.0	ng/L		06/15/26 14:14	06/16/26 04:35	1
Perfluorooctanesulfonamide (PFOSA)	ND		2.0	0.50	ng/L		06/15/26 14:14	06/16/26 04:35	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		2.0	0.50	ng/L		06/15/26 14:14	06/16/26 04:35	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		2.0	1.1	ng/L		06/15/26 14:14	06/16/26 04:35	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.0	0.50	ng/L		06/15/26 14:14	06/16/26 04:35	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.0	0.50	ng/L		06/15/26 14:14	06/16/26 04:35	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		10	4.0	ng/L		06/15/26 14:14	06/16/26 04:35	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		10	4.0	ng/L		06/15/26 14:14	06/16/26 04:35	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		2.0	1.4	ng/L		06/15/26 14:14	06/16/26 04:35	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.50	ng/L		06/15/26 14:14	06/16/26 04:35	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.50	ng/L		06/15/26 14:14	06/16/26 04:35	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.50	ng/L		06/15/26 14:14	06/16/26 04:35	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.50	ng/L		06/15/26 14:14	06/16/26 04:35	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		2.0	0.50	ng/L		06/15/26 14:14	06/16/26 04:35	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 410-835472/21-A

Matrix: Water

Analysis Batch: 835324

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 835472

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11CI-PF3OUdS)	ND		2.0	0.50	ng/L		06/15/26 14:14	06/16/26 04:35	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.50	ng/L		06/15/26 14:14	06/16/26 04:35	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		4.0	1.0	ng/L		06/15/26 14:14	06/16/26 04:35	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		10	2.8	ng/L		06/15/26 14:14	06/16/26 04:35	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		10	2.5	ng/L		06/15/26 14:14	06/16/26 04:35	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	107		5 - 130	06/15/26 14:14	06/16/26 04:35	1
13C5 PFPeA	107		40 - 130	06/15/26 14:14	06/16/26 04:35	1
13C5 PFHxA	94.4		40 - 130	06/15/26 14:14	06/16/26 04:35	1
13C4 PFHpA	89.7		40 - 130	06/15/26 14:14	06/16/26 04:35	1
13C8 PFOA	85.0		40 - 130	06/15/26 14:14	06/16/26 04:35	1
13C9 PFNA	83.5		40 - 130	06/15/26 14:14	06/16/26 04:35	1
13C6 PFDA	74.8		40 - 130	06/15/26 14:14	06/16/26 04:35	1
13C7 PFUnA	76.5		30 - 130	06/15/26 14:14	06/16/26 04:35	1
13C2 PFTeDA	65.0		10 - 130	06/15/26 14:14	06/16/26 04:35	1
13C3 PFBS	93.7		40 - 135	06/15/26 14:14	06/16/26 04:35	1
13C3 PFHxS	82.6		40 - 130	06/15/26 14:14	06/16/26 04:35	1
13C8 PFOS	73.5		40 - 130	06/15/26 14:14	06/16/26 04:35	1
13C8 FOSA	77.8		40 - 130	06/15/26 14:14	06/16/26 04:35	1
d3-NMeFOSAA	55.6		40 - 170	06/15/26 14:14	06/16/26 04:35	1
d5-NEtFOSAA	54.6		25 - 135	06/15/26 14:14	06/16/26 04:35	1
13C2 4:2 FTS	89.2		40 - 200	06/15/26 14:14	06/16/26 04:35	1
13C2 6:2 FTS	78.6		40 - 200	06/15/26 14:14	06/16/26 04:35	1
13C2 8:2 FTS	81.1		40 - 300	06/15/26 14:14	06/16/26 04:35	1
13C3 HFPO-DA	95.0		40 - 130	06/15/26 14:14	06/16/26 04:35	1
d7-N-MeFOSE-M	60.4		10 - 130	06/15/26 14:14	06/16/26 04:35	1
d9-N-EtFOSE-M	55.3		10 - 130	06/15/26 14:14	06/16/26 04:35	1
d5-NEtPFOSA	52.1		10 - 130	06/15/26 14:14	06/16/26 04:35	1
d3-NMePFOSA	53.3		10 - 130	06/15/26 14:14	06/16/26 04:35	1
13C2 PFDoA	76.7		10 - 130	06/15/26 14:14	06/16/26 04:35	1
13C3-3:3 FTCA	138		20 - 150	06/15/26 14:14	06/16/26 04:35	1
13C3-5:3 FTCA	94.2		20 - 150	06/15/26 14:14	06/16/26 04:35	1
13C3-PFDoS	58.5		20 - 150	06/15/26 14:14	06/16/26 04:35	1

Lab Sample ID: LCS 410-835472/22-A

Matrix: Water

Analysis Batch: 835324

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 835472

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	80.0	69.2		ng/L		87	70 - 140
Perfluoropentanoic acid (PFPeA)	40.0	34.8		ng/L		87	65 - 135
Perfluorohexanoic acid (PFHxA)	40.0	35.1		ng/L		88	70 - 145
Perfluoroheptanoic acid (PFHpA)	40.0	34.2		ng/L		86	70 - 150
Perfluorooctanoic acid (PFOA)	40.0	37.8		ng/L		94	70 - 150

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-835472/22-A

Matrix: Water

Analysis Batch: 835324

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 835472

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorononanoic acid (PFNA)	40.0	35.8		ng/L		90	70 - 150
Perfluorodecanoic acid (PFDA)	40.0	36.8		ng/L		92	70 - 140
Perfluoroundecanoic acid (PFUnA)	40.0	37.0		ng/L		93	70 - 145
Perfluorododecanoic acid (PFDoA)	40.0	36.1		ng/L		90	70 - 140
Perfluorotridecanoic acid (PFTrDA)	40.0	34.7		ng/L		87	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	40.0	37.7		ng/L		94	60 - 140
Perfluorobutanesulfonic acid (PFBS)	35.5	31.2		ng/L		88	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	37.6	34.2		ng/L		91	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	36.5	31.3		ng/L		86	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	38.2	33.2		ng/L		87	70 - 150
Perfluorooctanesulfonic acid (PFOS)	37.2	33.0		ng/L		89	55 - 150
Perfluorononanesulfonic acid (PFNS)	38.5	32.0		ng/L		83	65 - 145
Perfluorodecanesulfonic acid (PFDS)	38.6	30.8		ng/L		80	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	38.8	34.7		ng/L		89	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	75.0	72.0		ng/L		96	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	76.2	65.2		ng/L		86	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	76.8	74.2		ng/L		97	60 - 150
Perfluorooctanesulfonamide (PFOSA)	40.0	36.3		ng/L		91	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	40.0	37.8		ng/L		95	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	40.0	36.7		ng/L		92	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	36.0		ng/L		90	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	35.4		ng/L		88	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	200	187		ng/L		93	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	200	192		ng/L		96	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	30.1	25.8		ng/L		86	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	32.6		ng/L		86	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	40.0	35.2		ng/L		88	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	40.0	34.2		ng/L		86	60 - 150

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-835472/22-A

Matrix: Water

Analysis Batch: 835324

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 835472

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	40.0	36.0		ng/L		90	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	37.4	30.9		ng/L		83	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	37.8	29.0		ng/L		77	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESEA)	35.7	30.3		ng/L		85	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	80.0	59.8		ng/L		75	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	200	159		ng/L		79	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	200	145		ng/L		73	50 - 145

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFBA	107		5 - 130
13C5 PFPeA	104		40 - 130
13C5 PFHxA	96.2		40 - 130
13C4 PFHpA	95.0		40 - 130
13C8 PFOA	89.4		40 - 130
13C9 PFNA	87.3		40 - 130
13C6 PFDA	82.7		40 - 130
13C7 PFUnA	85.0		30 - 130
13C2 PFTeDA	71.7		10 - 130
13C3 PFBS	95.7		40 - 135
13C3 PFHxS	91.1		40 - 130
13C8 PFOS	83.4		40 - 130
13C8 FOSA	79.7		40 - 130
d3-NMeFOSAA	60.9		40 - 170
d5-NEtFOSAA	58.7		25 - 135
13C2 4:2 FTS	79.2		40 - 200
13C2 6:2 FTS	75.2		40 - 200
13C2 8:2 FTS	77.0		40 - 300
13C3 HFPO-DA	97.5		40 - 130
d7-N-MeFOSE-M	58.4		10 - 130
d9-N-EtFOSE-M	50.3		10 - 130
d5-NEtPFOSA	55.4		10 - 130
d3-NMePFOSA	56.2		10 - 130
13C2 PFDoA	84.0		10 - 130
13C3-3:3 FTCA	137		20 - 150
13C3-5:3 FTCA	98.8		20 - 150
13C3-PFDoS	65.4		20 - 150

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 410-835472/23-A

Matrix: Water

Analysis Batch: 835324

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 835472

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	8.00	7.73		ng/L		97	70 - 140
Perfluoropentanoic acid (PFPeA)	4.00	4.03		ng/L		101	65 - 135
Perfluorohexanoic acid (PFHxA)	4.00	4.56		ng/L		114	70 - 145
Perfluoroheptanoic acid (PFHpA)	4.00	3.96		ng/L		99	70 - 150
Perfluorooctanoic acid (PFOA)	4.00	4.64		ng/L		116	70 - 150
Perfluorononanoic acid (PFNA)	4.00	4.62		ng/L		116	70 - 150
Perfluorodecanoic acid (PFDA)	4.00	4.64		ng/L		116	70 - 140
Perfluoroundecanoic acid (PFUnA)	4.00	4.43		ng/L		111	70 - 145
Perfluorododecanoic acid (PFDoA)	4.00	4.22		ng/L		106	70 - 140
Perfluorotridecanoic acid (PFTrDA)	4.00	3.89		ng/L		97	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	4.00	3.89		ng/L		97	60 - 140
Perfluorobutanesulfonic acid (PFBS)	3.55	3.67		ng/L		103	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	3.76	3.81		ng/L		101	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	3.65	3.62		ng/L		99	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	3.82	4.07		ng/L		107	70 - 150
Perfluorooctanesulfonic acid (PFOS)	3.72	3.63		ng/L		98	55 - 150
Perfluorononanesulfonic acid (PFNS)	3.85	3.52		ng/L		91	65 - 145
Perfluorodecanesulfonic acid (PFDS)	3.86	3.37		ng/L		87	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	3.88	3.78		ng/L		97	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	7.50	8.52		ng/L		114	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	7.62	7.91		ng/L		104	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	7.68	8.09		ng/L		105	60 - 150
Perfluorooctanesulfonamide (PFOSA)	4.00	4.25		ng/L		106	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	4.00	4.31		ng/L		108	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	4.00	4.20		ng/L		105	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.00	4.89		ng/L		122	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.00	5.04		ng/L		126	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	20.0	21.3		ng/L		106	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	20.0	22.0		ng/L		110	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	3.01	2.80		ng/L		93	70 - 140

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 410-835472/23-A

Matrix: Water

Analysis Batch: 835324

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 835472

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.78	3.83		ng/L		101	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.00	4.19		ng/L		105	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.00	3.84		ng/L		96	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.00	4.70		ng/L		118	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	3.74	3.52		ng/L		94	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	3.78	2.96		ng/L		78	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	3.57	3.02		ng/L		85	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	8.00	8.42		ng/L		105	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	20.0	22.3		ng/L		111	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	20.0	18.3		ng/L		91	50 - 145

Isotope Dilution	LLCS %Recovery	LLCS Qualifier	Limits
13C4 PFBA	117		5 - 130
13C5 PFPeA	113		40 - 130
13C5 PFHxA	100		40 - 130
13C4 PFHpA	95.8		40 - 130
13C8 PFOA	90.0		40 - 130
13C9 PFNA	87.8		40 - 130
13C6 PFDA	81.0		40 - 130
13C7 PFUnA	79.8		30 - 130
13C2 PFTeDA	68.6		10 - 130
13C3 PFBS	95.5		40 - 135
13C3 PFHxS	88.1		40 - 130
13C8 PFOS	80.0		40 - 130
13C8 FOSA	84.4		40 - 130
d3-NMeFOSAA	58.1		40 - 170
d5-NEtFOSAA	55.0		25 - 135
13C2 4:2 FTS	88.0		40 - 200
13C2 6:2 FTS	79.5		40 - 200
13C2 8:2 FTS	83.8		40 - 300
13C3 HFPO-DA	102		40 - 130
d7-N-MeFOSE-M	50.7		10 - 130
d9-N-EtFOSE-M	45.4		10 - 130
d5-NEtPFOSA	56.5		10 - 130
d3-NMePFOSA	58.2		10 - 130
13C2 PFDaA	78.6		10 - 130
13C3-3:3 FTCA	151	*5+	20 - 150
13C3-5:3 FTCA	101		20 - 150
13C3-PFDaS	57.6		20 - 150

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A - RE

Lab Sample ID: 410-286100-1 MS

Matrix: Water

Analysis Batch: 835324

Client Sample ID: MW-81

Prep Type: Total/NA

Prep Batch: 835472

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE) - RE	ND	cn	2000	1910	cn	ng/L		95	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE) - RE	ND	cn	2000	1940	cn	ng/L		97	70 - 135
Isotope Dilution									
	%Recovery	Qualifier	Limits						
d7-N-MeFOSE-M - RE	74.6	cn	10 - 130						
d9-N-EtFOSE-M - RE	70.7	cn	10 - 130						

Lab Sample ID: 410-286100-1 MSD

Matrix: Water

Analysis Batch: 835324

Client Sample ID: MW-81

Prep Type: Total/NA

Prep Batch: 835472

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE) - RE	ND	cn	2000	1860	cn	ng/L		93	70 - 145	3	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE) - RE	ND	cn	2000	1920	cn	ng/L		96	70 - 135	1	30
Isotope Dilution											
	%Recovery	Qualifier	Limits								
d7-N-MeFOSE-M - RE	65.1	cn	10 - 130								
d9-N-EtFOSE-M - RE	60.3	cn	10 - 130								

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 410-831700/1-A

Matrix: Water

Analysis Batch: 833090

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 831700

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0021	0.00057	mg/L		06/09/26 05:45	06/10/26 15:07	1
Nickel	ND		0.0010	0.00041	mg/L		06/09/26 05:45	06/10/26 15:07	1
Manganese	ND		0.0021	0.00098	mg/L		06/09/26 05:45	06/10/26 15:07	1

Lab Sample ID: LCS 410-831700/2-A

Matrix: Water

Analysis Batch: 833090

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 831700

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	0.500	0.491		mg/L		98	84 - 113
Nickel	0.500	0.496		mg/L		99	85 - 113
Manganese	0.500	0.498		mg/L		100	84 - 113

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 410-286100-11 MS

Matrix: Water

Analysis Batch: 833090

Client Sample ID: MW-28A

Prep Type: Dissolved

Prep Batch: 831700

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	ND	cn	0.500	0.497	cn	mg/L		99	75 - 125
Nickel	0.0013	cn	0.500	0.498	cn	mg/L		99	75 - 125
Manganese	0.097	cn	0.500	0.602	cn	mg/L		101	75 - 125

Lab Sample ID: 410-286100-11 MSD

Matrix: Water

Analysis Batch: 833090

Client Sample ID: MW-28A

Prep Type: Dissolved

Prep Batch: 831700

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium	ND	cn	0.500	0.496	cn	mg/L		99	75 - 125	0	20
Nickel	0.0013	cn	0.500	0.496	cn	mg/L		99	75 - 125	1	20
Manganese	0.097	cn	0.500	0.594	cn	mg/L		99	75 - 125	1	20

Lab Sample ID: 410-286100-11 DU

Matrix: Water

Analysis Batch: 833090

Client Sample ID: MW-28A

Prep Type: Dissolved

Prep Batch: 831700

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chromium	ND	cn	ND	cn	mg/L		NC	20
Nickel	0.0013	cn	0.00157	cn	mg/L		19	20
Manganese	0.097	cn	0.0979	cn	mg/L		0.6	20

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

GC/MS VOA

Analysis Batch: 830737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286100-21	Trip Blank	Total/NA	Water	8260D	
MB 410-830737/7	Method Blank	Total/NA	Water	8260D	
LCS 410-830737/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-830737/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 833919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286100-1	MW-81	Total/NA	Water	8260D	
410-286100-2	MW-82A	Total/NA	Water	8260D	
410-286100-3	MW-82B	Total/NA	Water	8260D	
410-286100-4	MW-60	Total/NA	Water	8260D	
410-286100-5	MW-50A	Total/NA	Water	8260D	
410-286100-6	MW-50B	Total/NA	Water	8260D	
MB 410-833919/7	Method Blank	Total/NA	Water	8260D	
LCS 410-833919/4	Lab Control Sample	Total/NA	Water	8260D	
410-286100-1 MS	MW-81	Total/NA	Water	8260D	
410-286100-1 MSD	MW-81	Total/NA	Water	8260D	

Analysis Batch: 834116

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286100-7	MW-49A	Total/NA	Water	8260D	
410-286100-8	MW-49B	Total/NA	Water	8260D	
410-286100-9	MW-14	Total/NA	Water	8260D	
410-286100-10	MW-15	Total/NA	Water	8260D	
410-286100-11	MW-28A	Total/NA	Water	8260D	
410-286100-12	Duplicate 3	Total/NA	Water	8260D	
410-286100-13	MW-28B	Total/NA	Water	8260D	
410-286100-14	MW-28C	Total/NA	Water	8260D	
410-286100-15	MW-52	Total/NA	Water	8260D	
410-286100-16	MW-51A	Total/NA	Water	8260D	
410-286100-17	MW-51B	Total/NA	Water	8260D	
MB 410-834116/10	Method Blank	Total/NA	Water	8260D	
LCS 410-834116/5	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-834116/6	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 834138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286100-18	MW-79A	Total/NA	Water	8260D	
410-286100-19	MW-79B	Total/NA	Water	8260D	
MB 410-834138/7	Method Blank	Total/NA	Water	8260D	
LCS 410-834138/5	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 834952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286100-10 - DL	MW-15	Total/NA	Water	8260D	
410-286100-13 - DL	MW-28B	Total/NA	Water	8260D	
410-286100-14 - DL	MW-28C	Total/NA	Water	8260D	
410-286100-16 - DL	MW-51A	Total/NA	Water	8260D	
410-286100-18 - DL	MW-79A	Total/NA	Water	8260D	
410-286100-19 - DL	MW-79B	Total/NA	Water	8260D	
410-286100-20	Field Blank	Total/NA	Water	8260D	

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

GC/MS VOA (Continued)

Analysis Batch: 834952 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-834952/7	Method Blank	Total/NA	Water	8260D	
LCS 410-834952/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-834952/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 835141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286100-10 - RADL	MW-15	Total/NA	Water	8260D	
410-286100-13 - RADL	MW-28B	Total/NA	Water	8260D	
410-286100-17 - DL	MW-51B	Total/NA	Water	8260D	
MB 410-835141/7	Method Blank	Total/NA	Water	8260D	
LCS 410-835141/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-835141/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 835226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286100-18 - DL2	MW-79A	Total/NA	Water	8260D	
MB 410-835226/7	Method Blank	Total/NA	Water	8260D	
LCS 410-835226/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-835226/5	Lab Control Sample Dup	Total/NA	Water	8260D	

HPLC/IC

Analysis Batch: 827780

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286100-9	MW-14	Dissolved	Water	218.6	
410-286100-10	MW-15	Dissolved	Water	218.6	
410-286100-11	MW-28A	Dissolved	Water	218.6	
410-286100-12	Duplicate 3	Dissolved	Water	218.6	
410-286100-13	MW-28B	Dissolved	Water	218.6	
410-286100-14	MW-28C	Dissolved	Water	218.6	
410-286100-15	MW-52	Dissolved	Water	218.6	
410-286100-16	MW-51A	Dissolved	Water	218.6	
410-286100-17	MW-51B	Dissolved	Water	218.6	
410-286100-18	MW-79A	Dissolved	Water	218.6	
410-286100-19	MW-79B	Dissolved	Water	218.6	
410-286100-20	Field Blank	Dissolved	Water	218.6	
MB 410-827780/10	Method Blank	Total/NA	Water	218.6	
LCS 410-827780/9	Lab Control Sample	Total/NA	Water	218.6	
410-286100-12 MS	Duplicate 3	Dissolved	Water	218.6	
410-286100-12 MSD	Duplicate 3	Dissolved	Water	218.6	
410-286100-17 MS	MW-51B	Dissolved	Water	218.6	
410-286100-17 MSD	MW-51B	Dissolved	Water	218.6	

Filtration Batch: 834507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286100-9	MW-14	Dissolved	Water	FILTRATION	
410-286100-10	MW-15	Dissolved	Water	FILTRATION	
410-286100-11	MW-28A	Dissolved	Water	FILTRATION	
410-286100-12	Duplicate 3	Dissolved	Water	FILTRATION	
410-286100-13	MW-28B	Dissolved	Water	FILTRATION	
410-286100-14	MW-28C	Dissolved	Water	FILTRATION	

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

HPLC/IC (Continued)

Filtration Batch: 834507 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286100-15	MW-52	Dissolved	Water	FILTRATION	
410-286100-16	MW-51A	Dissolved	Water	FILTRATION	
410-286100-17	MW-51B	Dissolved	Water	FILTRATION	
410-286100-18	MW-79A	Dissolved	Water	FILTRATION	
410-286100-19	MW-79B	Dissolved	Water	FILTRATION	
410-286100-20	Field Blank	Dissolved	Water	FILTRATION	
410-286100-19 MS	MW-79B	Dissolved	Water	FILTRATION	
410-286100-19 DU	MW-79B	Dissolved	Water	FILTRATION	

Analysis Batch: 834637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286100-9	MW-14	Dissolved	Water	9056A	834507
410-286100-10	MW-15	Dissolved	Water	9056A	834507
410-286100-11	MW-28A	Dissolved	Water	9056A	834507
410-286100-12	Duplicate 3	Dissolved	Water	9056A	834507
410-286100-13	MW-28B	Dissolved	Water	9056A	834507
410-286100-14	MW-28C	Dissolved	Water	9056A	834507
410-286100-15	MW-52	Dissolved	Water	9056A	834507
410-286100-16	MW-51A	Dissolved	Water	9056A	834507
410-286100-17	MW-51B	Dissolved	Water	9056A	834507
410-286100-18	MW-79A	Dissolved	Water	9056A	834507
MB 410-834637/5	Method Blank	Total/NA	Water	9056A	
LCS 410-834637/3	Lab Control Sample	Total/NA	Water	9056A	
LCSD 410-834637/4	Lab Control Sample Dup	Total/NA	Water	9056A	

Analysis Batch: 834897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286100-19	MW-79B	Dissolved	Water	9056A	834507
410-286100-20	Field Blank	Dissolved	Water	9056A	834507
MB 410-834897/5	Method Blank	Total/NA	Water	9056A	
LCS 410-834897/3	Lab Control Sample	Total/NA	Water	9056A	
LCSD 410-834897/4	Lab Control Sample Dup	Total/NA	Water	9056A	
410-286100-19 MS	MW-79B	Dissolved	Water	9056A	834507
410-286100-19 DU	MW-79B	Dissolved	Water	9056A	834507

LCMS

Prep Batch: 833762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286100-1	MW-81	Total/NA	Water	1633A	
MB 410-833762/18-A	Method Blank	Total/NA	Water	1633A	
LCS 410-833762/19-A	Lab Control Sample	Total/NA	Water	1633A	
LLCS 410-833762/20-A	Lab Control Sample	Total/NA	Water	1633A	
410-286100-1 MS	MW-81	Total/NA	Water	1633A	
410-286100-1 MSD	MW-81	Total/NA	Water	1633A	

Prep Batch: 834181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286100-2	MW-82A	Total/NA	Water	1633A	
410-286100-3	MW-82B	Total/NA	Water	1633A	
410-286100-4	MW-60	Total/NA	Water	1633A	

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

LCMS (Continued)

Prep Batch: 834181 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286100-5	MW-50A	Total/NA	Water	1633A	
410-286100-6	MW-50B	Total/NA	Water	1633A	
410-286100-7	MW-49A	Total/NA	Water	1633A	
410-286100-8	MW-49B	Total/NA	Water	1633A	
410-286100-9	MW-14	Total/NA	Water	1633A	
410-286100-10	MW-15	Total/NA	Water	1633A	
410-286100-11	MW-28A	Total/NA	Water	1633A	
410-286100-12	Duplicate 3	Total/NA	Water	1633A	
410-286100-13	MW-28B	Total/NA	Water	1633A	
410-286100-14	MW-28C	Total/NA	Water	1633A	
410-286100-15	MW-52	Total/NA	Water	1633A	
410-286100-16	MW-51A	Total/NA	Water	1633A	
410-286100-17	MW-51B	Total/NA	Water	1633A	
410-286100-18	MW-79A	Total/NA	Water	1633A	
410-286100-19	MW-79B	Total/NA	Water	1633A	
410-286100-20	Field Blank	Total/NA	Water	1633A	
MB 410-834181/13-A	Method Blank	Total/NA	Water	1633A	
LCS 410-834181/14-A	Lab Control Sample	Total/NA	Water	1633A	
LCSD 410-834181/15-A	Lab Control Sample Dup	Total/NA	Water	1633A	
LLCS 410-834181/16-A	Lab Control Sample	Total/NA	Water	1633A	

Analysis Batch: 834331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286100-1	MW-81	Total/NA	Water	1633A	833762
MB 410-833762/18-A	Method Blank	Total/NA	Water	1633A	833762
LCS 410-833762/19-A	Lab Control Sample	Total/NA	Water	1633A	833762
LLCS 410-833762/20-A	Lab Control Sample	Total/NA	Water	1633A	833762
410-286100-1 MS	MW-81	Total/NA	Water	1633A	833762
410-286100-1 MSD	MW-81	Total/NA	Water	1633A	833762

Analysis Batch: 834336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286100-2	MW-82A	Total/NA	Water	1633A	834181
410-286100-3	MW-82B	Total/NA	Water	1633A	834181
410-286100-4	MW-60	Total/NA	Water	1633A	834181
410-286100-5	MW-50A	Total/NA	Water	1633A	834181
410-286100-6	MW-50B	Total/NA	Water	1633A	834181
410-286100-7	MW-49A	Total/NA	Water	1633A	834181
410-286100-8	MW-49B	Total/NA	Water	1633A	834181
410-286100-9	MW-14	Total/NA	Water	1633A	834181
410-286100-10	MW-15	Total/NA	Water	1633A	834181
410-286100-11	MW-28A	Total/NA	Water	1633A	834181
410-286100-12	Duplicate 3	Total/NA	Water	1633A	834181
410-286100-13	MW-28B	Total/NA	Water	1633A	834181
410-286100-14	MW-28C	Total/NA	Water	1633A	834181
410-286100-15	MW-52	Total/NA	Water	1633A	834181
410-286100-16	MW-51A	Total/NA	Water	1633A	834181
410-286100-17	MW-51B	Total/NA	Water	1633A	834181
410-286100-18	MW-79A	Total/NA	Water	1633A	834181
410-286100-19	MW-79B	Total/NA	Water	1633A	834181
410-286100-20	Field Blank	Total/NA	Water	1633A	834181

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

LCMS (Continued)

Analysis Batch: 834336 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-834181/13-A	Method Blank	Total/NA	Water	1633A	834181
LCS 410-834181/14-A	Lab Control Sample	Total/NA	Water	1633A	834181
LCSD 410-834181/15-A	Lab Control Sample Dup	Total/NA	Water	1633A	834181
LLCS 410-834181/16-A	Lab Control Sample	Total/NA	Water	1633A	834181

Analysis Batch: 835324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286100-1 - RE	MW-81	Total/NA	Water	1633A	835472
MB 410-835472/21-A	Method Blank	Total/NA	Water	1633A	835472
LCS 410-835472/22-A	Lab Control Sample	Total/NA	Water	1633A	835472
LLCS 410-835472/23-A	Lab Control Sample	Total/NA	Water	1633A	835472
410-286100-1 MS - RE	MW-81	Total/NA	Water	1633A	835472
410-286100-1 MSD - RE	MW-81	Total/NA	Water	1633A	835472

Prep Batch: 835472

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286100-1 - RE	MW-81	Total/NA	Water	1633A	
MB 410-835472/21-A	Method Blank	Total/NA	Water	1633A	
LCS 410-835472/22-A	Lab Control Sample	Total/NA	Water	1633A	
LLCS 410-835472/23-A	Lab Control Sample	Total/NA	Water	1633A	
410-286100-1 MS - RE	MW-81	Total/NA	Water	1633A	
410-286100-1 MSD - RE	MW-81	Total/NA	Water	1633A	

Metals

Filtration Batch: 827845

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286100-9	MW-14	Dissolved	Water	Filtration	
410-286100-10	MW-15	Dissolved	Water	Filtration	
410-286100-11	MW-28A	Dissolved	Water	Filtration	
410-286100-12	Duplicate 3	Dissolved	Water	Filtration	
410-286100-13	MW-28B	Dissolved	Water	Filtration	
410-286100-14	MW-28C	Dissolved	Water	Filtration	
410-286100-15	MW-52	Dissolved	Water	Filtration	
410-286100-16	MW-51A	Dissolved	Water	Filtration	
410-286100-17	MW-51B	Dissolved	Water	Filtration	
410-286100-18	MW-79A	Dissolved	Water	Filtration	
410-286100-19	MW-79B	Dissolved	Water	Filtration	
410-286100-20	Field Blank	Dissolved	Water	Filtration	
410-286100-11 MS	MW-28A	Dissolved	Water	Filtration	
410-286100-11 MSD	MW-28A	Dissolved	Water	Filtration	
410-286100-11 DU	MW-28A	Dissolved	Water	Filtration	

Prep Batch: 831700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286100-9	MW-14	Dissolved	Water	Non-Digest Prep	827845
410-286100-10	MW-15	Dissolved	Water	Non-Digest Prep	827845
410-286100-11	MW-28A	Dissolved	Water	Non-Digest Prep	827845
410-286100-12	Duplicate 3	Dissolved	Water	Non-Digest Prep	827845
410-286100-13	MW-28B	Dissolved	Water	Non-Digest Prep	827845
410-286100-14	MW-28C	Dissolved	Water	Non-Digest Prep	827845

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Metals (Continued)

Prep Batch: 831700 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286100-15	MW-52	Dissolved	Water	Non-Digest Prep	827845
410-286100-16	MW-51A	Dissolved	Water	Non-Digest Prep	827845
410-286100-17	MW-51B	Dissolved	Water	Non-Digest Prep	827845
410-286100-18	MW-79A	Dissolved	Water	Non-Digest Prep	827845
410-286100-19	MW-79B	Dissolved	Water	Non-Digest Prep	827845
410-286100-20	Field Blank	Dissolved	Water	Non-Digest Prep	827845
MB 410-831700/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-831700/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	
410-286100-11 MS	MW-28A	Dissolved	Water	Non-Digest Prep	827845
410-286100-11 MSD	MW-28A	Dissolved	Water	Non-Digest Prep	827845
410-286100-11 DU	MW-28A	Dissolved	Water	Non-Digest Prep	827845

Analysis Batch: 833090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286100-9	MW-14	Dissolved	Water	6020B	831700
410-286100-10	MW-15	Dissolved	Water	6020B	831700
410-286100-11	MW-28A	Dissolved	Water	6020B	831700
410-286100-12	Duplicate 3	Dissolved	Water	6020B	831700
410-286100-13	MW-28B	Dissolved	Water	6020B	831700
410-286100-14	MW-28C	Dissolved	Water	6020B	831700
410-286100-15	MW-52	Dissolved	Water	6020B	831700
410-286100-16	MW-51A	Dissolved	Water	6020B	831700
410-286100-17	MW-51B	Dissolved	Water	6020B	831700
410-286100-18	MW-79A	Dissolved	Water	6020B	831700
410-286100-19	MW-79B	Dissolved	Water	6020B	831700
410-286100-20	Field Blank	Dissolved	Water	6020B	831700
MB 410-831700/1-A	Method Blank	Total/NA	Water	6020B	831700
LCS 410-831700/2-A	Lab Control Sample	Total/NA	Water	6020B	831700
410-286100-11 MS	MW-28A	Dissolved	Water	6020B	831700
410-286100-11 MSD	MW-28A	Dissolved	Water	6020B	831700
410-286100-11 DU	MW-28A	Dissolved	Water	6020B	831700

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-81

Lab Sample ID: 410-286100-1

Date Collected: 06/01/26 09:00

Matrix: Water

Date Received: 06/01/26 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	833919	JS6E	ELLE	06/12/26 02:32
Total/NA	Prep	1633A			833762	ULU3	ELLE	06/11/26 14:02
Total/NA	Analysis	1633A		1	834331	VGQ7	ELLE	06/12/26 23:36
Total/NA	Prep	1633A	RE		835472	D5RZ	ELLE	06/15/26 14:14
Total/NA	Analysis	1633A	RE	1	835324	VGQ7	ELLE	06/16/26 05:16

Client Sample ID: MW-82A

Lab Sample ID: 410-286100-2

Date Collected: 06/01/26 09:15

Matrix: Water

Date Received: 06/01/26 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	833919	JS6E	ELLE	06/12/26 00:39
Total/NA	Prep	1633A			834181	KZ5A	ELLE	06/12/26 07:45
Total/NA	Analysis	1633A		1	834336	VGQ7	ELLE	06/13/26 00:34

Client Sample ID: MW-82B

Lab Sample ID: 410-286100-3

Date Collected: 06/01/26 09:30

Matrix: Water

Date Received: 06/01/26 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	833919	JS6E	ELLE	06/12/26 01:02
Total/NA	Prep	1633A			834181	KZ5A	ELLE	06/12/26 07:45
Total/NA	Analysis	1633A		1	834336	VGQ7	ELLE	06/13/26 00:47

Client Sample ID: MW-60

Lab Sample ID: 410-286100-4

Date Collected: 06/01/26 10:00

Matrix: Water

Date Received: 06/01/26 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	833919	JS6E	ELLE	06/12/26 01:24
Total/NA	Prep	1633A			834181	KZ5A	ELLE	06/12/26 07:45
Total/NA	Analysis	1633A		1	834336	VGQ7	ELLE	06/13/26 01:01

Client Sample ID: MW-50A

Lab Sample ID: 410-286100-5

Date Collected: 06/01/26 10:15

Matrix: Water

Date Received: 06/01/26 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	833919	JS6E	ELLE	06/12/26 01:47
Total/NA	Prep	1633A			834181	KZ5A	ELLE	06/12/26 07:45
Total/NA	Analysis	1633A		1	834336	VGQ7	ELLE	06/13/26 01:15

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-50B

Lab Sample ID: 410-286100-6

Date Collected: 06/01/26 10:30

Matrix: Water

Date Received: 06/01/26 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	833919	JS6E	ELLE	06/12/26 02:10
Total/NA	Prep	1633A			834181	KZ5A	ELLE	06/12/26 07:45
Total/NA	Analysis	1633A		1	834336	VGQ7	ELLE	06/13/26 01:28

Client Sample ID: MW-49A

Lab Sample ID: 410-286100-7

Date Collected: 06/01/26 10:45

Matrix: Water

Date Received: 06/01/26 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	834116	ULCP	ELLE	06/12/26 11:53
Total/NA	Prep	1633A			834181	KZ5A	ELLE	06/12/26 07:45
Total/NA	Analysis	1633A		1	834336	VGQ7	ELLE	06/13/26 01:42

Client Sample ID: MW-49B

Lab Sample ID: 410-286100-8

Date Collected: 06/01/26 11:00

Matrix: Water

Date Received: 06/01/26 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	834116	ULCP	ELLE	06/12/26 12:13
Total/NA	Prep	1633A			834181	KZ5A	ELLE	06/12/26 07:45
Total/NA	Analysis	1633A		1	834336	VGQ7	ELLE	06/13/26 02:24

Client Sample ID: MW-14

Lab Sample ID: 410-286100-9

Date Collected: 06/01/26 11:30

Matrix: Water

Date Received: 06/01/26 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	834116	ULCP	ELLE	06/12/26 12:32
Dissolved	Analysis	218.6		1	827780	RAC6	ELLE	06/02/26 09:26
Dissolved	Filtration	FILTRATION			834507	L4QM	ELLE	06/12/26 14:19
Dissolved	Analysis	9056A		1	834637	L4QM	ELLE	06/13/26 00:10
Total/NA	Prep	1633A			834181	KZ5A	ELLE	06/12/26 07:45
Total/NA	Analysis	1633A		1	834336	VGQ7	ELLE	06/13/26 02:39
Dissolved	Filtration	Filtration			827845	UDL9	ELLE	06/02/26 10:44
Dissolved	Prep	Non-Digest Prep			831700	UAMX	ELLE	06/09/26 05:45
Dissolved	Analysis	6020B		1	833090	I9IN	ELLE	06/10/26 16:26

Client Sample ID: MW-15

Lab Sample ID: 410-286100-10

Date Collected: 06/01/26 12:20

Matrix: Water

Date Received: 06/01/26 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	834116	ULCP	ELLE	06/12/26 12:51
Total/NA	Analysis	8260D	DL	20	834952	DVW2	ELLE	06/14/26 17:00
Total/NA	Analysis	8260D	RADL	20	835141	TQ4J	ELLE	06/15/26 14:47

Eurofins Lancaster Laboratories Environment Testing, LLC

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-15

Lab Sample ID: 410-286100-10

Date Collected: 06/01/26 12:20

Matrix: Water

Date Received: 06/01/26 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Analysis	218.6		1	827780	RAC6	ELLE	06/02/26 09:33
Dissolved	Filtration	FILTRATION			834507	L4QM	ELLE	06/12/26 14:19
Dissolved	Analysis	9056A		1	834637	L4QM	ELLE	06/13/26 01:57
Total/NA	Prep	1633A			834181	KZ5A	ELLE	06/12/26 07:45
Total/NA	Analysis	1633A		1	834336	VGQ7	ELLE	06/13/26 02:53
Dissolved	Filtration	Filtration			827845	UDL9	ELLE	06/02/26 10:44
Dissolved	Prep	Non-Digest Prep			831700	UAMX	ELLE	06/09/26 05:45
Dissolved	Analysis	6020B		1	833090	I9IN	ELLE	06/10/26 16:18

Client Sample ID: MW-28A

Lab Sample ID: 410-286100-11

Date Collected: 06/01/26 12:50

Matrix: Water

Date Received: 06/01/26 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	834116	ULCP	ELLE	06/12/26 13:11
Dissolved	Analysis	218.6		1	827780	RAC6	ELLE	06/02/26 09:41
Dissolved	Filtration	FILTRATION			834507	L4QM	ELLE	06/12/26 14:19
Dissolved	Analysis	9056A		1	834637	L4QM	ELLE	06/13/26 00:37
Total/NA	Prep	1633A			834181	KZ5A	ELLE	06/12/26 07:45
Total/NA	Analysis	1633A		1	834336	VGQ7	ELLE	06/13/26 03:06
Dissolved	Filtration	Filtration			827845	UDL9	ELLE	06/02/26 10:44
Dissolved	Prep	Non-Digest Prep			831700	UAMX	ELLE	06/09/26 05:45
Dissolved	Analysis	6020B		1	833090	I9IN	ELLE	06/10/26 15:53

Client Sample ID: Duplicate 3

Lab Sample ID: 410-286100-12

Date Collected: 06/01/26 12:55

Matrix: Water

Date Received: 06/01/26 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	834116	ULCP	ELLE	06/12/26 15:09
Dissolved	Analysis	218.6		1	827780	RAC6	ELLE	06/02/26 09:49
Dissolved	Filtration	FILTRATION			834507	L4QM	ELLE	06/12/26 14:19
Dissolved	Analysis	9056A		1	834637	L4QM	ELLE	06/13/26 01:04
Total/NA	Prep	1633A			834181	KZ5A	ELLE	06/12/26 07:45
Total/NA	Analysis	1633A		1	834336	VGQ7	ELLE	06/13/26 03:20
Dissolved	Filtration	Filtration			827845	UDL9	ELLE	06/02/26 10:44
Dissolved	Prep	Non-Digest Prep			831700	UAMX	ELLE	06/09/26 05:45
Dissolved	Analysis	6020B		1	833090	I9IN	ELLE	06/10/26 16:07

Client Sample ID: MW-28B

Lab Sample ID: 410-286100-13

Date Collected: 06/01/26 13:10

Matrix: Water

Date Received: 06/01/26 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	834116	ULCP	ELLE	06/12/26 15:28

Eurofins Lancaster Laboratories Environment Testing, LLC

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-28B

Lab Sample ID: 410-286100-13

Date Collected: 06/01/26 13:10

Matrix: Water

Date Received: 06/01/26 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D	DL	20	834952	DVW2	ELLE	06/14/26 17:21
Total/NA	Analysis	8260D	RADL	20	835141	TQ4J	ELLE	06/15/26 15:10
Dissolved	Analysis	218.6		1	827780	RAC6	ELLE	06/02/26 10:11
Dissolved	Filtration	FILTRATION			834507	L4QM	ELLE	06/12/26 14:19
Dissolved	Analysis	9056A		1	834637	L4QM	ELLE	06/13/26 03:18
Total/NA	Prep	1633A			834181	KZ5A	ELLE	06/12/26 07:45
Total/NA	Analysis	1633A		1	834336	VGQ7	ELLE	06/13/26 03:33
Dissolved	Filtration	Filtration			827845	UDL9	ELLE	06/02/26 10:44
Dissolved	Prep	Non-Digest Prep			831700	UAMX	ELLE	06/09/26 05:45
Dissolved	Analysis	6020B		1	833090	I9IN	ELLE	06/10/26 16:16

Client Sample ID: MW-28C

Lab Sample ID: 410-286100-14

Date Collected: 06/01/26 13:25

Matrix: Water

Date Received: 06/01/26 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		5	834116	ULCP	ELLE	06/12/26 15:48
Total/NA	Analysis	8260D	DL	100	834952	DVW2	ELLE	06/14/26 17:41
Dissolved	Analysis	218.6		1	827780	RAC6	ELLE	06/02/26 10:19
Dissolved	Filtration	FILTRATION			834507	L4QM	ELLE	06/12/26 14:19
Dissolved	Analysis	9056A		1	834637	L4QM	ELLE	06/13/26 02:24
Total/NA	Prep	1633A			834181	KZ5A	ELLE	06/12/26 07:45
Total/NA	Analysis	1633A		1	834336	VGQ7	ELLE	06/12/26 22:29
Dissolved	Filtration	Filtration			827845	UDL9	ELLE	06/02/26 10:44
Dissolved	Prep	Non-Digest Prep			831700	UAMX	ELLE	06/09/26 05:45
Dissolved	Analysis	6020B		1	833090	I9IN	ELLE	06/10/26 16:28

Client Sample ID: MW-52

Lab Sample ID: 410-286100-15

Date Collected: 06/01/26 14:00

Matrix: Water

Date Received: 06/01/26 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	834116	ULCP	ELLE	06/12/26 16:07
Dissolved	Analysis	218.6		1	827780	RAC6	ELLE	06/02/26 10:42
Dissolved	Filtration	FILTRATION			834507	L4QM	ELLE	06/12/26 14:19
Dissolved	Analysis	9056A		10	834637	L4QM	ELLE	06/13/26 03:04
Total/NA	Prep	1633A			834181	KZ5A	ELLE	06/12/26 07:45
Total/NA	Analysis	1633A		1	834336	VGQ7	ELLE	06/12/26 22:42
Dissolved	Filtration	Filtration			827845	UDL9	ELLE	06/02/26 10:44
Dissolved	Prep	Non-Digest Prep			831700	UAMX	ELLE	06/09/26 05:45
Dissolved	Analysis	6020B		1	833090	I9IN	ELLE	06/10/26 16:24

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-51A

Lab Sample ID: 410-286100-16

Date Collected: 06/01/26 14:20

Matrix: Water

Date Received: 06/01/26 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	834116	ULCP	ELLE	06/12/26 16:27
Total/NA	Analysis	8260D	DL	10	834952	DVW2	ELLE	06/14/26 18:01
Dissolved	Analysis	218.6		1	827780	RAC6	ELLE	06/02/26 10:49
Dissolved	Filtration	FILTRATION			834507	L4QM	ELLE	06/12/26 14:19
Dissolved	Analysis	9056A		1	834637	L4QM	ELLE	06/13/26 05:05
Total/NA	Prep	1633A			834181	KZ5A	ELLE	06/12/26 07:45
Total/NA	Analysis	1633A		1	834336	VGQ7	ELLE	06/12/26 22:56
Dissolved	Filtration	Filtration			827845	UDL9	ELLE	06/02/26 10:44
Dissolved	Prep	Non-Digest Prep			831700	UAMX	ELLE	06/09/26 05:45
Dissolved	Analysis	6020B		1	833090	I9IN	ELLE	06/10/26 16:22

Client Sample ID: MW-51B

Lab Sample ID: 410-286100-17

Date Collected: 06/01/26 14:35

Matrix: Water

Date Received: 06/01/26 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	834116	ULCP	ELLE	06/12/26 16:47
Total/NA	Analysis	8260D	DL	200	835141	TQ4J	ELLE	06/15/26 15:32
Dissolved	Analysis	218.6		1	827780	RAC6	ELLE	06/02/26 10:57
Dissolved	Filtration	FILTRATION			834507	L4QM	ELLE	06/12/26 14:19
Dissolved	Analysis	9056A		1	834637	L4QM	ELLE	06/13/26 03:44
Total/NA	Prep	1633A			834181	KZ5A	ELLE	06/12/26 07:45
Total/NA	Analysis	1633A		1	834336	VGQ7	ELLE	06/12/26 23:38
Dissolved	Filtration	Filtration			827845	UDL9	ELLE	06/02/26 10:44
Dissolved	Prep	Non-Digest Prep			831700	UAMX	ELLE	06/09/26 05:45
Dissolved	Analysis	6020B		1	833090	I9IN	ELLE	06/10/26 16:03

Client Sample ID: MW-79A

Lab Sample ID: 410-286100-18

Date Collected: 06/01/26 14:45

Matrix: Water

Date Received: 06/01/26 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D	DL	10	834952	DVW2	ELLE	06/14/26 18:42
Total/NA	Analysis	8260D	DL2	2000	835226	ULCP	ELLE	06/15/26 18:46
Total/NA	Analysis	8260D		1	834138	TQ4J	ELLE	06/12/26 15:39
Dissolved	Analysis	218.6		1	827780	RAC6	ELLE	06/02/26 11:20
Dissolved	Filtration	FILTRATION			834507	L4QM	ELLE	06/12/26 14:19
Dissolved	Analysis	9056A		1	834637	L4QM	ELLE	06/13/26 04:38
Total/NA	Prep	1633A			834181	KZ5A	ELLE	06/12/26 07:45
Total/NA	Analysis	1633A		1	834336	VGQ7	ELLE	06/12/26 23:53
Dissolved	Filtration	Filtration			827845	UDL9	ELLE	06/02/26 10:44
Dissolved	Prep	Non-Digest Prep			831700	UAMX	ELLE	06/09/26 05:45
Dissolved	Analysis	6020B		1	833090	I9IN	ELLE	06/10/26 16:05

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Client Sample ID: MW-79B

Lab Sample ID: 410-286100-19

Date Collected: 06/01/26 15:00

Matrix: Water

Date Received: 06/01/26 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D	DL	10	834952	DVW2	ELLE	06/14/26 19:23
Total/NA	Analysis	8260D		1	834138	TQ4J	ELLE	06/12/26 16:02
Dissolved	Analysis	218.6		1	827780	RAC6	ELLE	06/02/26 11:27
Dissolved	Filtration	FILTRATION			834507	L4QM	ELLE	06/12/26 14:19
Dissolved	Analysis	9056A		10	834897	L4QM	ELLE	06/13/26 02:13
Total/NA	Prep	1633A			834181	KZ5A	ELLE	06/12/26 07:45
Total/NA	Analysis	1633A		1	834336	VGQ7	ELLE	06/13/26 00:06
Dissolved	Filtration	Filtration			827845	UDL9	ELLE	06/02/26 10:44
Dissolved	Prep	Non-Digest Prep			831700	UAMX	ELLE	06/09/26 05:45
Dissolved	Analysis	6020B		1	833090	I9IN	ELLE	06/10/26 16:01

Client Sample ID: Field Blank

Lab Sample ID: 410-286100-20

Date Collected: 06/01/26 15:30

Matrix: Water

Date Received: 06/01/26 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	834952	DVW2	ELLE	06/14/26 13:34
Dissolved	Analysis	218.6		1	827780	RAC6	ELLE	06/02/26 11:35
Dissolved	Filtration	FILTRATION			834507	L4QM	ELLE	06/12/26 14:19
Dissolved	Analysis	9056A		1	834897	L4QM	ELLE	06/13/26 08:25
Total/NA	Prep	1633A			834181	KZ5A	ELLE	06/12/26 07:45
Total/NA	Analysis	1633A		1	834336	VGQ7	ELLE	06/13/26 00:20
Dissolved	Filtration	Filtration			827845	UDL9	ELLE	06/02/26 10:44
Dissolved	Prep	Non-Digest Prep			831700	UAMX	ELLE	06/09/26 05:45
Dissolved	Analysis	6020B		1	833090	I9IN	ELLE	06/10/26 16:20

Client Sample ID: Trip Blank

Lab Sample ID: 410-286100-21

Date Collected: 05/07/26 00:00

Matrix: Water

Date Received: 06/01/26 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	830737	TQ4J	ELLE	06/06/26 11:12

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Pennsylvania	NELAP	36-00037	01-31-27

Method Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	ELLE
218.6	Chromium, Hexavalent (Ion Chromatography)	EPA	ELLE
9056A	Anions, Ion Chromatography	SW846	ELLE
1633A	Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A	EPA	ELLE
6020B	Metals (ICP/MS)	SW846	ELLE
1633A	Solid-Phase Extraction (SPE)	EPA	ELLE
5030C	Purge and Trap	SW846	ELLE
FILTRATION	Sample Filtration	None	ELLE
Non-Digest Prep	Preparation, Non-Digested Aqueous Metals	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286100-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
410-286100-1	MW-81	Water	06/01/26 09:00	06/01/26 17:15	Pennsylvania
410-286100-2	MW-82A	Water	06/01/26 09:15	06/01/26 17:15	Pennsylvania
410-286100-3	MW-82B	Water	06/01/26 09:30	06/01/26 17:15	Pennsylvania
410-286100-4	MW-60	Water	06/01/26 10:00	06/01/26 17:15	Pennsylvania
410-286100-5	MW-50A	Water	06/01/26 10:15	06/01/26 17:15	Pennsylvania
410-286100-6	MW-50B	Water	06/01/26 10:30	06/01/26 17:15	Pennsylvania
410-286100-7	MW-49A	Water	06/01/26 10:45	06/01/26 17:15	Pennsylvania
410-286100-8	MW-49B	Water	06/01/26 11:00	06/01/26 17:15	Pennsylvania
410-286100-9	MW-14	Water	06/01/26 11:30	06/01/26 17:15	Pennsylvania
410-286100-10	MW-15	Water	06/01/26 12:20	06/01/26 17:15	Pennsylvania
410-286100-11	MW-28A	Water	06/01/26 12:50	06/01/26 17:15	Pennsylvania
410-286100-12	Duplicate 3	Water	06/01/26 12:55	06/01/26 17:15	Pennsylvania
410-286100-13	MW-28B	Water	06/01/26 13:10	06/01/26 17:15	Pennsylvania
410-286100-14	MW-28C	Water	06/01/26 13:25	06/01/26 17:15	Pennsylvania
410-286100-15	MW-52	Water	06/01/26 14:00	06/01/26 17:15	Pennsylvania
410-286100-16	MW-51A	Water	06/01/26 14:20	06/01/26 17:15	Pennsylvania
410-286100-17	MW-51B	Water	06/01/26 14:35	06/01/26 17:15	Pennsylvania
410-286100-18	MW-79A	Water	06/01/26 14:45	06/01/26 17:15	Pennsylvania
410-286100-19	MW-79B	Water	06/01/26 15:00	06/01/26 17:15	Pennsylvania
410-286100-20	Field Blank	Water	06/01/26 15:30	06/01/26 17:15	Pennsylvania
410-286100-21	Trip Blank	Water	05/07/26 00:00	06/01/26 17:15	Pennsylvania



410-286100 Chain of Custody

Environmental Analysis Request/Chain of Custody

Lancaster Laboratories
Environmental

Acct. # _____ Group # _____ Sample # _____

Client Name: Groundwater & Environmental Services, Inc		Acct #:		Matrix		Analyses Requested										For Lab Use Only													
Project Name/ #: GTAC-Bishop Tube HSCA Site				☐ Tissue ☒ Ground ☐ Surface		Preservation and Filtration Codes										SF #:													
Site Address: 1 S Malin Road, Malvern, PA 19355				☐ Sediment ☐ Potable ☐ NPDES												SCR #:													
GES PM/CM: Tim Uhler/Derek Yoder				☐ Soil ☒ Water ☐ Other:																									
Client Address: 410 Eagleview Blvd, Suite 110 Exton, PA 19341																													
Email report: labreports@gesonline.com AND tuhler@gesonline.com																													
Invoice needs to be emailed to ges-invoices@gesonline.com. COC must be attached to invoice. Invoice must reference job # 0070462-3020-06																													
State where samples were collected: PA		For Compliance: Yes ☐ No ☒																											
Sampler: <i>Kyle Orlandi / Alyssa Fetherman</i>		Collection																											
Sampler Signature: <i>[Signature]</i>																													
Sample Identification		Date		Time		Grab		Composite		Soil		Water		Other:		Total # of Containers		8260D - TCL VOCs 4.3		1633A - PFAS		6020B - Dissolved Ni, Mn, and Cr		218.6 - Chromium, Hexavalent Dissolved		9056A - Fluoride Dissolved		Remarks	
MW-81		6/1/26		0900		X				X		X				15		9		6								MS/MSD collected for MW-81	
MW-82A		6/1/26		0915		X				X		X				5		3		2									
MW-83B		6/1/26		0930		X				X		X				5		3		2									
MW-60		6/1/26		1000		X				X		X				5		3		2									
MW-50A		6/1/26		1015		X				X		X				5		3		2									
MW-50B		6/1/26		1030		X				X		X				5		3		2									
MW-49A		6/1/26		1045		X				X		X				5		3		2									
MW-49B		6/1/26		1100		X				X		X				5		3		2									
MW-14		6/1/26		1130		X				X		X				8		3		2		1		1		1			
MW-15		6/1/26		1200		X				X		X				8		3		2		1		1		1			
Turnaround Time Requested (TAT) (please check): Standard ☒ Rush ☐		(Rush TAT is subject to laboratory approval and surcharges.)																											
Date results are needed:																													
Rush results requested by (please check): E-Mail ☐ Phone ☐																													
E-mail Address: labreports@gesonline.com																													
Phone:																													
Data Package Options (please check if required)																													
Type I (Validation/non-CLP) ☐ MA MCP ☐																													
Type III (Reduced non-CLP) ☐ CT RCP ☐																													
Type VI (Raw Data Only) ☐ TX TRRP-13 ☐																													
NJ DKQP ☐ NYSDEC Category ☐ A or ☐ B																													
EDD Required? Yes ☒ No ☐ If yes, format: _____																													
Relinquished by: <i>A. Fetherman</i>		Date: 6/1/26		Time: 1715																									
Relinquished by:		Date:		Time:																									
Relinquished by:		Date:		Time:																									
Relinquished by:		Date:		Time:																									
Relinquished by:		Date:		Time:																									
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UPS _____ FedEx _____ Other _____																													
Temperature upon receipt _____ °C																													

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Environmental Analysis Request/Chain of Custody



Lancaster Laboratories
Environmental

Acct. # _____ Group # _____ Sample # _____

Client Name: Groundwater & Environmental Services, Inc		Acct #:		Matrix		Analyses Requested										For Lab Use Only					
Project Name/ #: GTAC-Bishop Tube HSCA Site				☐ Tissue ☒ Ground ☐ Surface		Preservation and Filtration Codes										SF #: _____					
Site Address: 1 S Malin Road, Malvern, PA 19355				☐ Sediment ☐ Potable ☐ NPDES		H O O O O 8260D - TCL VOCs 4.3 1633A - PFAS 6020B - Dissolved Ni, Mn, and Cr 218.6 - Chromium, Hexavalent 9056A - Fluoride Dissolved										SCR #: _____					
GES PM/CM: Tim Uhler/Derek Yoder																Preservation Codes H = HCl T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ P = H ₃ PO ₄ F = Field Filtered O = Other					
Client Address: 410 Eagleview Blvd, Suite 110 Exton, PA 19341																					
Email report: labreports@gesonline.com AND tuhler@gesonline.com																					
Invoice needs to be emailed to ges-invoices@gesonline.com. COC must be attached to invoice. Invoice must reference job # 0070462-3020-06																					
State where samples were collected: PA		For Compliance: Yes ☐ No ☒																			
Sampler: <u>Kevin Coleman / Alison Patterson</u>		Collection																			
Sampler Signature: <u>Kevin Coleman</u>																					
Sample Identification		Date	Time	Grab	Composite	Soil	Water	Other	Total # of Containers											Remarks	
MW-28A	6/1/26	1250	X				X		3	3	2	1	1	1			Lab Filter				
Duplicate 3	6/1/26	1255	X				X		3	3	2	1	1	1			needed for				
MW-28B	6/1/26	1310	X				X		3	3	2	1	1	1			6020B, 218.6,				
MW-24C	6/1/26	1325	X				X		3	3	2	1	1	1			and 9056A				
MW-52	6/1/26	1400	X				X		3	3	2	1	1	1							
MW-51A	6/1/26	1420	X				X		3	3	2	1	1	1							
MW-51B	6/1/26	1435	X				X		3	3	2	1	1	1							
MW-79A	6/1/26	1445	X				X		3	3	2	1	1	1							
MW-79B	6/1/26	1500	X				X		3	3	2	1	1	1							
Field Blank	6/1/26	1530	X				X		3	3	2	1	1	1							
Turnaround Time Requested (TAT) (please check): Standard ☒ Rush ☐		(Rush TAT is subject to laboratory approval and surcharges.)		Relinquished by: <u>Alison Patterson</u>		Date: 6/1/26		Time: 1715		Received by:		Date:		Time:							
Date results are needed:				Relinquished by:		Date:		Time:		Received by:		Date:		Time:							
Rush results requested by (please check): E-Mail ☐ Phone ☐				Relinquished by:		Date:		Time:		Received by:		Date:		Time:							
E-mail Address: <u>labreports@gesonline.com</u>				Relinquished by:		Date:		Time:		Received by:		Date:		Time:							
Phone:				Relinquished by:		Date:		Time:		Received by:		Date:		Time:							
Data Package Options (please check if required)				Relinquished by:		Date:		Time:		Received by:		Date:		Time:							
Type I (Validation/non-CLP)	☐	MA MCP	☐	Relinquished by:		Date:		Time:		Received by:		Date:		Time:							
Type III (Reduced non-CLP)	☐	CT RCP	☐	Relinquished by:		Date:		Time:		Received by:		Date:		Time:							
Type VI (Raw Data Only)	☐	TX TRRP-13	☐	Relinquished by:		Date:		Time:		Received by:		Date:		Time:							
NJ DKQP	☐	NYSDEC Category	☐ A or ☐ B	Relinquished by Commercial Carrier:		Date:		Time:		Received by:		Date:		Time:							
EDD Required?	Yes ☒ No ☐	If yes, format: _____		UPS _____ FedEx _____ Other _____		Temperature upon receipt _____ °C															

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7045 0717

R: 3.2-4.4 C: 3.3-4.5

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Acct. # _____ Group # _____ Sample # _____

[illegible]

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A: 3.2-4.4 C: 3.3-4.5

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 410-286100-1

Login Number: 286100

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: McDonald, Teigan

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	True	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	



ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Tim Uhler
Groundwater & Environmental Services Inc
410 Eagleview Boulevard
Suite 110
Exton, Pennsylvania 19341-2577

Generated 6/24/2026 4:55:59 PM

JOB DESCRIPTION

GTAC-Bishop Tube

JOB NUMBER

410-286356-1

Eurofins Lancaster Laboratories Environment Testing, LLC

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Authorized for release by
Amek Carter, Project Manager
Loran.Carter@et.eurofinsus.com
(717)556-7252

Generated
6/24/2026 4:55:59 PM

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
 - Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
 - Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
- Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

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Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
^c	CCV Recovery is outside acceptance limits.
cn	Refer to Case Narrative for further detail
FH	MS and/or MSD recovery above control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

LCMS

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*5-	Isotope dilution analyte is outside acceptance limits, low biased.
*5+	Isotope dilution analyte is outside acceptance limits, high biased.
B	Analyte was found in the blank.
cn	Refer to Case Narrative for further detail
FH	MS and/or MSD recovery above control limits.
FL	MS and/or MSD recovery below control limits.
I	Ion ratio outside limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)

Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Groundwater & Environmental Services Inc
Project: GTAC-Bishop Tube

Job ID: 410-286356-1

Job ID: 410-286356-1

Eurofins Lancaster Laboratories Environment

Job Narrative 410-286356-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 6/2/2026 5:40 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.9°C and 4.5°C.

Receipt Exceptions

Backup volume for 1633 method was placed in the freezer upon receipt. MW-47 (410-286356-1), MW-56 (410-286356-2), MW-46 (410-286356-3), MW-63 (410-286356-4), MW-62 (410-286356-5), MW-53A (410-286356-6), MW-53B (410-286356-7), MW-54 (410-286356-8), MW-43A (410-286356-9), MW-43B (410-286356-10), MW-43C (410-286356-11), MW-44C (410-286356-12), MW-65 (410-286356-13), MW-22 (410-286356-14), MW-22 (410-286356-14[MS]), MW-22 (410-286356-14[MSD]), MW-27S (410-286356-15), MW-27I (410-286356-16), Duplicate 4 (410-286356-17), MW-27D (410-286356-18), MW-4 (410-286356-19), MW-5 (410-286356-20), MW-75A (410-286356-21), MW-75B (410-286356-22) and Field Blank 3 (410-286356-23)

GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-830737 recovered outside acceptance criteria, low biased, for Trichlorofluoromethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: MW-46 (410-286356-3). Elevated reporting limits (RLs) are provided.

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-834881 recovered outside acceptance criteria, low biased, for 2-Hexanone, Chloromethane and 2-Butanone. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-834881 recovered above the upper control limit for Tetrachloroethene, Carbon tetrachloride, 1,1,1-Trichloroethane, Bromoform and Freon 113. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The method requirement for no headspace was not met. The container (s) used for reanalysis of the following sample contained headspace: MW-44C (410-286356-12).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

PFAS

Method 1633A: Due to TSS greater than 50 mg/L when compared to a visual standard, the samples were spiked with extracted internal standards, shaken and centrifuged. The aqueous portion was decanted into the original container and extracted. The affected sample is MW-47 (410-286356-1).

Method 1633A: The recovery for a target analyte(s) 3-Perfluoropentylpropanoic acid (5:3 FTCA) in the laboratory control spike samples associated with the following samples: MW-4 (410-286356-19), MW-5 (410-286356-20), MW-75A (410-286356-21), MW-75B (410-286356-22) and Field Blank 3 (410-286356-23) is outside the QC acceptance limits. Since the recovery is high and

Eurofins Lancaster Laboratories Environment Testing, LLC

Case Narrative

Client: Groundwater & Environmental Services Inc
Project: GTAC-Bishop Tube

Job ID: 410-286356-1

Job ID: 410-286356-1 (Continued)

Eurofins Lancaster Laboratories Environment

the native analyte is not detected in the sample, the data is reported.

Method 1633A: Target analyte(s) Nonafluoro-3,6-dioxahexanoic acid (NFDHA) were detected in the method blank associated with the following samples: MW-4 (410-286356-19), MW-5 (410-286356-20), MW-75A (410-286356-21), MW-75B (410-286356-22) and Field Blank 3 (410-286356-23). Since the result in the sample is ND, the data is reported.

Method 1633A: The labeled isotopes $^{13}\text{C}_2$ 4:2 FTS are outside QC acceptance limits. Since the recovery in sample MW-4 (410-286356-19), MW-5 (410-286356-20) and MW-75B (410-286356-22) is less than 350%, the data is reported.

Method 1633A: The labeled isotopes $^{13}\text{C}_2$ 6:2 FTS are outside QC acceptance limits. Since the recovery in sample MW-5 (410-286356-20) is less than 350%, the data is reported.

Method 1633A: Analyte Perfluoroundecanoic acid (PFUnA) was marked as non-detect for sample MW-75B (410-286356-22) due to a detection below RL and failing ion ratio.

Method 1633A: The transition mass ratio for Perfluorooctanoic acid (PFOA) in sample MW-5 (410-286356-20) in analytical batch 410-834420 was outside of the established ratio limits. However, analyst judgment was used to positively identify the analyte. The analyte is flagged appropriately to identify this exceedance.

Method 1633A: Target analyte(s) N-methylperfluorooctane sulfonamide (NMeFOSA), N-ethylperfluorooctane sulfonamide (NEtFOSA) and N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE) were detected in the method blank associated with the following samples: MW-47 (410-286356-1), MW-56 (410-286356-2), MW-46 (410-286356-3), MW-63 (410-286356-4), MW-62 (410-286356-5), MW-53A (410-286356-6), MW-53B (410-286356-7), MW-54 (410-286356-8), MW-43A (410-286356-9), MW-43B (410-286356-10), MW-43C (410-286356-11), MW-44C (410-286356-12), MW-65 (410-286356-13), MW-27S (410-286356-15), MW-27I (410-286356-16), Duplicate 4 (410-286356-17) and MW-27D (410-286356-18). Since the result in the sample is ND, the data is reported.

Method 1633A: The transition mass ratio for Perfluorohexanoic acid (PFHxA) in sample MW-46 (410-286356-3) in analytical batch 410-834692 was outside of the established ratio limits. However, analyst judgment was used to positively identify the analyte. The analyte is flagged appropriately to identify this exceedance.

Method 1633A: The recovery for labeled isotope(s) $^{13}\text{C}_8$ PFOS were outside QC acceptance criteria in sample MW-65 (410-286356-13). Since the labeled isotope recoveries were greater than or equal to 5% and the signal to noise was greater than 10:1, therefore, the data is reported.

Method 1633A: The labeled isotopes $^{13}\text{C}_8$ PFOS and $^{13}\text{C}_3$ -PFDoS are outside QC acceptance limits. Since the recovery in sample MW-22 (410-286356-14) is greater than 5%, and the signal to noise ratio is greater than 10:1, the data is reported.

Method 1633A: Analyte Perfluorobutanesulfonic acid (PFBS) was marked as non-detect for sample MW-22 (410-286356-14) due to a detection below RL and failing ion ratio.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals

Method 6020B - Dissolved: The following samples were not filtered within 15 minutes of sample collection as required by the method: MW-65 (410-286356-13), MW-22 (410-286356-14), MW-27S (410-286356-15), MW-27I (410-286356-16), Duplicate 4 (410-286356-17), MW-27D (410-286356-18), MW-5 (410-286356-20), MW-75A (410-286356-21), MW-75B (410-286356-22) and Field Blank 3 (410-286356-23). The sample(s) was filtered prior to analysis at the laboratory, and the results have been reported. This does not meet regulatory requirements.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-47

Lab Sample ID: 410-286356-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	9.5	^c cn	1.0	0.30	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	10		2.0	0.70	ug/L	1		8260D	Total/NA
Methyl tertiary butyl ether	0.91	J	1.0	0.20	ug/L	1		8260D	Total/NA
Acetone	6.2	J	20	0.70	ug/L	1		8260D	Total/NA
Vinyl chloride	4.9		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	83		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	82		1.0	0.30	ug/L	1		8260D	Total/NA
Freon 113	52	^c cn	10	0.30	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene - DL	770		10	3.0	ug/L	10		8260D	Total/NA
1,1,1-Trichloroethane - DL	400		10	3.0	ug/L	10		8260D	Total/NA
Trichloroethene - DL	800		10	3.0	ug/L	10		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	27	cn	3.7	1.0	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	70	cn	1.8	0.55	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	43	cn	1.8	0.46	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	35	cn	1.8	0.74	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	35	cn	1.8	0.83	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	14	cn	1.8	0.46	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	0.46	J cn	1.8	0.46	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.0	cn	1.8	0.46	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.5	J cn	1.8	0.74	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	7.2	cn	1.8	1.2	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	40	cn	3.7	0.92	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	2.5	J cn	3.7	0.92	ng/L	1		1633A	Total/NA

Client Sample ID: MW-56

Lab Sample ID: 410-286356-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	3.3	^c cn	1.0	0.30	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	2.7		2.0	0.70	ug/L	1		8260D	Total/NA
Methyl tertiary butyl ether	0.41	J	1.0	0.20	ug/L	1		8260D	Total/NA
Vinyl chloride	1.1		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	37		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	32		1.0	0.30	ug/L	1		8260D	Total/NA
Freon 113	26	^c cn	10	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	240		1.0	0.30	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene - DL	250		10	3.0	ug/L	10		8260D	Total/NA
1,1,1-Trichloroethane - DL	130		10	3.0	ug/L	10		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	21		3.3	0.90	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	36		1.6	0.49	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	27		1.6	0.41	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	19		1.6	0.65	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	24		1.6	0.73	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	9.8		1.6	0.41	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	0.74	J	1.6	0.41	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.1		1.6	0.41	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.8		1.6	0.65	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	9.9		1.6	1.1	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	10		3.3	0.81	ng/L	1		1633A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-46

Lab Sample ID: 410-286356-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	3.1		2.0	0.59	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	2.8	I cn	2.0	0.49	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	3.1		2.0	0.79	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	14		2.0	0.89	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	3.0		2.0	0.49	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	0.50	J	2.0	0.49	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.7	J	2.0	0.49	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	4.6		2.0	0.79	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	19		2.0	1.3	ng/L	1		1633A	Total/NA

Client Sample ID: MW-63

Lab Sample ID: 410-286356-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	10	^c cn	1.0	0.30	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	9.0		2.0	0.70	ug/L	1		8260D	Total/NA
Methyl tertiary butyl ether	0.65	J	1.0	0.20	ug/L	1		8260D	Total/NA
Vinyl chloride	4.3		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	75		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	65		1.0	0.30	ug/L	1		8260D	Total/NA
Freon 113	41	^c cn	10	0.30	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene - DL	710		10	3.0	ug/L	10		8260D	Total/NA
1,1,1-Trichloroethane - DL	410		10	3.0	ug/L	10		8260D	Total/NA
Trichloroethene - DL	820		10	3.0	ug/L	10		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	31		3.6	0.99	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	78		1.8	0.54	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	51		1.8	0.45	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	41		1.8	0.72	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	38		1.8	0.81	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	15		1.8	0.45	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	0.79	J	1.8	0.45	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.4		1.8	0.45	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.4	J	1.8	0.72	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	10		1.8	1.2	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	47		3.6	0.90	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	6.2		3.6	0.90	ng/L	1		1633A	Total/NA

Client Sample ID: MW-62

Lab Sample ID: 410-286356-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	2.1	^c cn	1.0	0.30	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	0.66	J	1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	0.32	J	1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	1.0		1.0	0.30	ug/L	1		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	15		3.6	1.0	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	37		1.8	0.55	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	27		1.8	0.45	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	16		1.8	0.73	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	20		1.8	0.82	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	4.7		1.8	0.45	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	2.0		1.8	0.45	ng/L	1		1633A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-62 (Continued)

Lab Sample ID: 410-286356-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	4.4		1.8	0.45	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.5		1.8	0.73	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	13		1.8	1.2	ng/L	1		1633A	Total/NA

Client Sample ID: MW-53A

Lab Sample ID: 410-286356-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	5.6	^c cn	1.0	0.30	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	5.1		2.0	0.70	ug/L	1		8260D	Total/NA
Methyl tertiary butyl ether	0.52	J	1.0	0.20	ug/L	1		8260D	Total/NA
Acetone	1.1	J	20	0.70	ug/L	1		8260D	Total/NA
Vinyl chloride	3.0		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	35		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	40		1.0	0.30	ug/L	1		8260D	Total/NA
Freon 113	9.8	J ^c cn	10	0.30	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene - DL	380		10	3.0	ug/L	10		8260D	Total/NA
1,1,1-Trichloroethane - DL	150		10	3.0	ug/L	10		8260D	Total/NA
Trichloroethene - DL	410		10	3.0	ug/L	10		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	27		3.2	0.88	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	60		1.6	0.48	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	45		1.6	0.40	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	31		1.6	0.64	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	34		1.6	0.72	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	10		1.6	0.40	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	1.7		1.6	0.40	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	3.2		1.6	0.40	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.1		1.6	0.64	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	12		1.6	1.0	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	30		3.2	0.80	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	2.5	J	3.2	0.80	ng/L	1		1633A	Total/NA

Client Sample ID: MW-53B

Lab Sample ID: 410-286356-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.54	J ^c cn	1.0	0.30	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	39		1.0	0.30	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	1.3	J	2.0	0.70	ug/L	1		8260D	Total/NA
Methyl tertiary butyl ether	0.81	J	1.0	0.20	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	5.1		1.0	0.30	ug/L	1		8260D	Total/NA
Chloroethane	0.91	J	1.0	0.30	ug/L	1		8260D	Total/NA
Vinyl chloride	22		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	28		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	2.7		1.0	0.30	ug/L	1		8260D	Total/NA
Freon 113	0.31	J ^c cn	10	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	30		1.0	0.30	ug/L	1		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	13		3.4	0.94	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	28		1.7	0.51	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	19		1.7	0.43	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	12		1.7	0.68	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	12		1.7	0.77	ng/L	1		1633A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-53B (Continued)

Lab Sample ID: 410-286356-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorononanoic acid (PFNA)	3.6		1.7	0.43	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	0.50	J	1.7	0.43	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.94	J	1.7	0.43	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.85	J	1.7	0.68	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.8		1.7	1.1	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	19		3.4	0.85	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.86	J	3.4	0.85	ng/L	1		1633A	Total/NA

Client Sample ID: MW-54

Lab Sample ID: 410-286356-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.33	J ^c cn	1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	0.34	J	1.0	0.30	ug/L	1		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	6.5		3.0	0.82	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	3.7		1.5	0.45	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	3.2		1.5	0.37	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.9		1.5	0.60	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	2.7		1.5	0.67	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	1.4	J	1.5	0.37	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	0.70	J	1.5	0.37	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.66	J	1.5	0.37	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.1		1.5	0.97	ng/L	1		1633A	Total/NA

Client Sample ID: MW-43A

Lab Sample ID: 410-286356-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	8.2	^c cn	1.0	0.30	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	130		1.0	0.30	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	1.0	J	2.0	0.70	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	32		1.0	0.30	ug/L	1		8260D	Total/NA
Vinyl chloride	0.38	J	1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	16		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	5.8		1.0	0.30	ug/L	1		8260D	Total/NA
Freon 113	1.6	J ^c cn	10	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	120		1.0	0.30	ug/L	1		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	30		3.5	0.95	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	89		1.7	0.52	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	64		1.7	0.43	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	36		1.7	0.69	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	27		1.7	0.78	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	6.3		1.7	0.43	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	0.65	J	1.7	0.43	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	3.7		1.7	0.43	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.9		1.7	0.69	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	8.4		1.7	1.1	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	3.3	J	3.5	0.87	ng/L	1		1633A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-43B

Lab Sample ID: 410-286356-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.86	J ^c cn	1.0	0.30	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	12		1.0	0.30	ug/L	1		8260D	Total/NA
Methyl tertiary butyl ether	1.5		1.0	0.20	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	3.9		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	15		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	4.8		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	120		1.0	0.30	ug/L	1		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	35		3.4	0.92	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	130		1.7	0.50	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	75		1.7	0.42	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	35		1.7	0.67	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	32		1.7	0.76	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	7.2		1.7	0.42	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	0.61	J	1.7	0.42	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	3.4		1.7	0.42	ng/L	1		1633A	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.48	J	1.7	0.42	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	3.7		1.7	0.67	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	7.3		1.7	1.1	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	1.3	J	3.4	0.84	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	5.5		3.4	0.84	ng/L	1		1633A	Total/NA

Client Sample ID: MW-43C

Lab Sample ID: 410-286356-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	9.3		1.0	0.30	ug/L	1		8260D	Total/NA
Methyl tertiary butyl ether	0.38	J	1.0	0.20	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	2.0		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	12		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	14		1.0	0.30	ug/L	1		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	29		3.5	0.97	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	94		1.8	0.53	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	59		1.8	0.44	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	33		1.8	0.70	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	31		1.8	0.79	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	8.3		1.8	0.44	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	1.1	J	1.8	0.44	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	3.1		1.8	0.44	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.4		1.8	0.70	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	9.4		1.8	1.1	ng/L	1		1633A	Total/NA

Client Sample ID: MW-44C

Lab Sample ID: 410-286356-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	4.4	^c cn	1.0	0.30	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	300		1.0	0.30	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	4.2		2.0	0.70	ug/L	1		8260D	Total/NA
Methyl tertiary butyl ether	0.99	J	1.0	0.20	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	73		1.0	0.30	ug/L	1		8260D	Total/NA
Vinyl chloride	140		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	55		1.0	0.30	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-44C (Continued)

Lab Sample ID: 410-286356-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	42		1.0	0.30	ug/L	1		8260D	Total/NA
Freon 113	11	^c cn	10	0.30	ug/L	1		8260D	Total/NA
Trichloroethene - DL	260	cn	10	3.0	ug/L	10		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	34		3.3	0.89	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	69		1.6	0.49	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	43		1.6	0.41	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	30		1.6	0.65	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	33		1.6	0.73	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	9.4		1.6	0.41	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	0.49	J	1.6	0.41	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.5		1.6	0.41	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.3		1.6	0.65	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	7.9		1.6	1.1	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	30		3.3	0.81	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	1.6	J	3.3	0.81	ng/L	1		1633A	Total/NA

Client Sample ID: MW-65

Lab Sample ID: 410-286356-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	5.5		1.0	0.30	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	0.87	J	2.0	0.70	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	1.5		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	2.9		1.0	0.30	ug/L	1		8260D	Total/NA
Cr (VI)	0.15		0.010	0.0050	mg/L	1		218.6	Dissolved
Fluoride	8.4		2.0	1.0	mg/L	10		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	49		3.9	1.1	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	180		1.9	0.58	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	120		1.9	0.48	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	84		1.9	0.77	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	94		1.9	0.87	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	23		1.9	0.48	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	0.68	J	1.9	0.48	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.57	J	1.9	0.48	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.89	J	1.9	0.77	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.4		1.9	1.3	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	480		3.9	0.96	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	40		3.9	0.96	ng/L	1		1633A	Total/NA
3-Perfluoropropylpropanoic acid (3:3 FTCA)	2.4	J	3.9	0.96	ng/L	1		1633A	Total/NA
3-Perfluoropentylpropanoic acid (5:3 FTCA)	29		9.6	2.7	ng/L	1		1633A	Total/NA
Chromium	0.10	cn	0.0021	0.00057	mg/L	1		6020B	Dissolved
Nickel	0.015	cn	0.0010	0.00041	mg/L	1		6020B	Dissolved
Manganese	0.11	cn	0.0021	0.00098	mg/L	1		6020B	Dissolved

Client Sample ID: MW-22

Lab Sample ID: 410-286356-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	1.3		1.0	0.30	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-22 (Continued)

Lab Sample ID: 410-286356-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1.8		1.0	0.30	ug/L	1		8260D	Total/NA
Cr (VI)	0.26		0.010	0.0050	mg/L	1		218.6	Dissolved
Fluoride	13		2.0	1.0	mg/L	10		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	37		3.2	0.89	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	120		1.6	0.48	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	99	FL	1.6	0.40	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	48		1.6	0.65	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	43		1.6	0.73	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	14		1.6	0.40	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	0.49	J	1.6	0.40	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.90	J	1.6	0.65	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.6		1.6	1.0	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	85		3.2	0.81	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	17		3.2	0.81	ng/L	1		1633A	Total/NA
3-Perfluoropropylpropanoic acid (3:3 FTCA)	2.4	J	3.2	0.81	ng/L	1		1633A	Total/NA
3-Perfluoropentylpropanoic acid (5:3 FTCA)	16		8.1	2.3	ng/L	1		1633A	Total/NA
Chromium	0.088	cn	0.0021	0.00057	mg/L	1		6020B	Dissolved
Nickel	0.20	cn	0.0010	0.00041	mg/L	1		6020B	Dissolved
Manganese	0.24	cn	0.0021	0.00098	mg/L	1		6020B	Dissolved

Client Sample ID: MW-27S

Lab Sample ID: 410-286356-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.9		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	1.9		1.0	0.30	ug/L	1		8260D	Total/NA
Fluoride	12		2.0	1.0	mg/L	10		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	50		3.3	0.90	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	180		1.6	0.49	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	110		1.6	0.41	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	68		1.6	0.65	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	75		1.6	0.73	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	17		1.6	0.41	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	0.62	J	1.6	0.41	ng/L	1		1633A	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.94	J	1.6	0.41	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.1		1.6	1.1	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	6.3		3.3	0.81	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	570		3.3	0.81	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.92	J	3.3	0.81	ng/L	1		1633A	Total/NA
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.4	J	8.1	2.3	ng/L	1		1633A	Total/NA
Chromium	0.0025	cn	0.0021	0.00057	mg/L	1		6020B	Dissolved
Nickel	0.029	cn	0.0010	0.00041	mg/L	1		6020B	Dissolved
Manganese	0.023	cn	0.0021	0.00098	mg/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-27I

Lab Sample ID: 410-286356-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	32	^c cn	1.0	0.30	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	1000		10	3.0	ug/L	10		8260D	Total/NA
trans-1,2-Dichloroethene	10		2.0	0.70	ug/L	1		8260D	Total/NA
Methyl tertiary butyl ether	1.1		1.0	0.20	ug/L	1		8260D	Total/NA
Benzene	1.4		1.0	0.30	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	8.3	J	10	3.0	ug/L	10		8260D	Total/NA
Vinyl chloride	67		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	2.3		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	10		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene - DL	3500		100	30	ug/L	100		8260D	Total/NA
Fluoride	5.0		2.0	1.0	mg/L	10		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	44		3.3	0.90	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	140		1.6	0.49	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	85		1.6	0.41	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	73		1.6	0.65	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	51		1.6	0.73	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	13		1.6	0.41	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	0.64	J	1.6	0.41	ng/L	1		1633A	Total/NA
Perfluoroundecanoic acid (PFUnA)	1.4	J	1.6	0.41	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.2	J	1.6	0.41	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.3	J	1.6	1.1	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	3.4		3.3	0.82	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	110		3.3	0.82	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	6.5		3.3	0.82	ng/L	1		1633A	Total/NA
3-Perfluoropentylpropanoic acid (5:3 FTCA)	2.5	J	8.2	2.3	ng/L	1		1633A	Total/NA
Nickel	0.014	cn	0.0010	0.00041	mg/L	1		6020B	Dissolved
Manganese	0.049	cn	0.0021	0.00098	mg/L	1		6020B	Dissolved

Client Sample ID: Duplicate 4

Lab Sample ID: 410-286356-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	27	^c cn	1.0	0.30	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	960		10	3.0	ug/L	10		8260D	Total/NA
trans-1,2-Dichloroethene	9.1		2.0	0.70	ug/L	1		8260D	Total/NA
Methyl tertiary butyl ether	1.1		1.0	0.20	ug/L	1		8260D	Total/NA
Benzene	1.0		1.0	0.30	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	8.7	J	10	3.0	ug/L	10		8260D	Total/NA
Vinyl chloride	41		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	1.9		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	9.5		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene - DL	3100		100	30	ug/L	100		8260D	Total/NA
Fluoride	4.3		2.0	1.0	mg/L	10		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	35		3.6	1.0	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	120		1.8	0.55	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	71		1.8	0.46	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	53		1.8	0.73	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	41		1.8	0.82	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	9.5		1.8	0.46	ng/L	1		1633A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: Duplicate 4 (Continued)

Lab Sample ID: 410-286356-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoroundecanoic acid (PFUnA)	0.83	J	1.8	0.46	ng/L	1		1633A	Total/NA
Perfluorotridecanoic acid (PFTrDA)	0.51	J	1.8	0.46	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.61	J	1.8	0.46	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	2.6	J	3.6	0.91	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	120		3.6	0.91	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	5.6		3.6	0.91	ng/L	1		1633A	Total/NA
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.3	J	9.1	2.5	ng/L	1		1633A	Total/NA
Nickel	0.018	cn	0.0010	0.00041	mg/L	1		6020B	Dissolved
Manganese	0.11	cn	0.0021	0.00098	mg/L	1		6020B	Dissolved

Client Sample ID: MW-27D

Lab Sample ID: 410-286356-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	6.2		1.0	0.30	ug/L	1		8260D	Total/NA
Methyl tertiary butyl ether	5.0		1.0	0.20	ug/L	1		8260D	Total/NA
Acetone	1.4	J	20	0.70	ug/L	1		8260D	Total/NA
Benzene	0.44	J	1.0	0.30	ug/L	1		8260D	Total/NA
Vinyl chloride	170		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	16		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	0.88	J	1.0	0.30	ug/L	1		8260D	Total/NA
Fluoride	6.5		2.0	1.0	mg/L	10		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	37		3.6	0.99	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	140		1.8	0.54	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	72		1.8	0.45	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	50		1.8	0.72	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	35		1.8	0.81	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	18		1.8	0.45	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	0.82	J	1.8	0.45	ng/L	1		1633A	Total/NA
Perfluoroundecanoic acid (PFUnA)	6.1		1.8	0.45	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	2.7	J	3.6	0.90	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	160		3.6	0.90	ng/L	1		1633A	Total/NA
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.3	J	1.8	0.45	ng/L	1		1633A	Total/NA
3-Perfluoropentylpropanoic acid (5:3 FTCA)	6.7	J	9.0	2.5	ng/L	1		1633A	Total/NA
Chromium	0.0024	cn	0.0021	0.00057	mg/L	1		6020B	Dissolved
Nickel	0.0047	cn	0.0010	0.00041	mg/L	1		6020B	Dissolved
Manganese	0.088	cn	0.0021	0.00098	mg/L	1		6020B	Dissolved

Client Sample ID: MW-4

Lab Sample ID: 410-286356-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	6.0		1.0	0.30	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	0.79	J	1.0	0.30	ug/L	1		8260D	Total/NA
Vinyl chloride	1.2		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	75		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	1.1		1.0	0.30	ug/L	1		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	14		3.4	0.92	ng/L	1		1633A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-4 (Continued)

Lab Sample ID: 410-286356-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	15		1.7	0.50	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	9.0		1.7	0.42	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	3.9		1.7	0.67	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	5.3		1.7	0.76	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	2.2		1.7	0.42	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.47	J	1.7	0.42	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.79	J	1.7	0.67	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.3	J	1.7	1.1	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	6.8		3.4	0.84	ng/L	1		1633A	Total/NA
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.42	J	1.7	0.42	ng/L	1		1633A	Total/NA
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	2.6	J	8.4	2.1	ng/L	1		1633A	Total/NA

Client Sample ID: MW-5

Lab Sample ID: 410-286356-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.3	J	20	0.70	ug/L	1		8260D	Total/NA
Vinyl chloride	0.66	J	1.0	0.30	ug/L	1		8260D	Total/NA
Fluoride	5.8		2.0	1.0	mg/L	10		9056A	Dissolved
Perfluoropentanoic acid (PFPeA)	19		1.7	0.50	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	23		1.7	0.41	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	14		1.7	0.66	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	30	I cn	1.7	0.74	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	2.1		1.7	0.41	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	22		3.3	0.83	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	1.9	J	3.3	0.83	ng/L	1		1633A	Total/NA
Chromium	0.00073	J cn	0.0021	0.00057	mg/L	1		6020B	Dissolved
Nickel	0.019	cn	0.0010	0.00041	mg/L	1		6020B	Dissolved
Manganese	0.23	cn	0.0021	0.00098	mg/L	1		6020B	Dissolved

Client Sample ID: MW-75A

Lab Sample ID: 410-286356-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1300		500	150	ug/L	500		8260D	Total/NA
cis-1,2-Dichloroethene	520		500	150	ug/L	500		8260D	Total/NA
Trichloroethene - DL	450000		5000	1500	ug/L	5000		8260D	Total/NA
Fluoride	0.39		0.20	0.10	mg/L	1		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	5.5		3.2	0.89	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	13		1.6	0.49	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	5.4		1.6	0.41	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.7		1.6	0.65	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	1.4	J	1.6	0.73	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	2.0	J	3.2	0.81	ng/L	1		1633A	Total/NA
Manganese	0.042	cn	0.0021	0.00098	mg/L	1		6020B	Dissolved

Client Sample ID: MW-75B

Lab Sample ID: 410-286356-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1000		500	150	ug/L	500		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-75B (Continued)

Lab Sample ID: 410-286356-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	3500		500	150	ug/L	500		8260D	Total/NA
1,1,1-Trichloroethane	360	J	500	150	ug/L	500		8260D	Total/NA
Trichloroethene - DL	790000		5000	1500	ug/L	5000		8260D	Total/NA
Fluoride	0.38		0.20	0.10	mg/L	1		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	15		3.4	0.94	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	30		1.7	0.51	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	19		1.7	0.43	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	12		1.7	0.69	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	16		1.7	0.77	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	2.0		1.7	0.43	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	0.63	J	1.7	0.43	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.61	J	1.7	0.43	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	24		3.4	0.86	ng/L	1		1633A	Total/NA
Nickel	0.0018	cn	0.0010	0.00041	mg/L	1		6020B	Dissolved
Manganese	0.0010	J cn	0.0021	0.00098	mg/L	1		6020B	Dissolved

Client Sample ID: Field Blank 3

Lab Sample ID: 410-286356-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	7.8	J	20	0.70	ug/L	1		8260D	Total/NA
Chloroform	0.91	J	1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 410-286356-24

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-47

Lab Sample ID: 410-286356-1

Date Collected: 06/02/26 08:45

Matrix: Water

Date Received: 06/02/26 17:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/13/26 15:18	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/13/26 15:18	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/13/26 15:18	1
Styrene	ND		5.0	0.30	ug/L			06/13/26 15:18	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/13/26 15:18	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/13/26 15:18	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/13/26 15:18	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/13/26 15:18	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/13/26 15:18	1
Toluene	ND		1.0	0.30	ug/L			06/13/26 15:18	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/13/26 15:18	1
Cyclohexane	ND		5.0	1.0	ug/L			06/13/26 15:18	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/13/26 15:18	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/13/26 15:18	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/13/26 15:18	1
Tetrachloroethene	9.5	^c cn	1.0	0.30	ug/L			06/13/26 15:18	1
trans-1,2-Dichloroethene	10		2.0	0.70	ug/L			06/13/26 15:18	1
Methyl tertiary butyl ether	0.91	J	1.0	0.20	ug/L			06/13/26 15:18	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/13/26 15:18	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			06/13/26 15:18	1
2-Hexanone	ND	^c cn	10	0.85	ug/L			06/13/26 15:18	1
Acetone	6.2	J	20	0.70	ug/L			06/13/26 15:18	1
Chloroform	ND		1.0	0.30	ug/L			06/13/26 15:18	1
Benzene	ND		1.0	0.30	ug/L			06/13/26 15:18	1
Bromomethane	ND		1.0	0.30	ug/L			06/13/26 15:18	1
Chloromethane	ND	^c cn	2.0	0.55	ug/L			06/13/26 15:18	1
Chloroethane	ND		1.0	0.30	ug/L			06/13/26 15:18	1
Vinyl chloride	4.9		1.0	0.30	ug/L			06/13/26 15:18	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/13/26 15:18	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/13/26 15:18	1
Bromoform	ND	^c cn	4.0	1.0	ug/L			06/13/26 15:18	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/13/26 15:18	1
1,1-Dichloroethane	83		1.0	0.30	ug/L			06/13/26 15:18	1
1,1-Dichloroethene	82		1.0	0.30	ug/L			06/13/26 15:18	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/13/26 15:18	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/13/26 15:18	1
Freon 113	52	^c cn	10	0.30	ug/L			06/13/26 15:18	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/13/26 15:18	1
2-Butanone	ND	^c cn	10	1.0	ug/L			06/13/26 15:18	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/13/26 15:18	1
Methyl acetate	ND		5.0	0.60	ug/L			06/13/26 15:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/13/26 15:18	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/13/26 15:18	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/13/26 15:18	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/13/26 15:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		06/13/26 15:18	1
Dibromofluoromethane (Surr)	112		80 - 120		06/13/26 15:18	1
4-Bromofluorobenzene (Surr)	90		80 - 120		06/13/26 15:18	1

Eurolins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-47

Lab Sample ID: 410-286356-1

Date Collected: 06/02/26 08:45

Matrix: Water

Date Received: 06/02/26 17:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		80 - 120		06/13/26 15:18	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	770		10	3.0	ug/L			06/16/26 15:40	10
1,1,1-Trichloroethane	400		10	3.0	ug/L			06/16/26 15:40	10
Trichloroethene	800		10	3.0	ug/L			06/16/26 15:40	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120		06/16/26 15:40	10
Dibromofluoromethane (Surr)	95		80 - 120		06/16/26 15:40	10
4-Bromofluorobenzene (Surr)	98		80 - 120		06/16/26 15:40	10
Toluene-d8 (Surr)	97		80 - 120		06/16/26 15:40	10

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	27	cn	3.7	1.0	ng/L		06/12/26 14:11	06/13/26 13:20	1
Perfluoropentanoic acid (PFPeA)	70	cn	1.8	0.55	ng/L		06/12/26 14:11	06/13/26 13:20	1
Perfluorohexanoic acid (PFHxA)	43	cn	1.8	0.46	ng/L		06/12/26 14:11	06/13/26 13:20	1
Perfluoroheptanoic acid (PFHpA)	35	cn	1.8	0.74	ng/L		06/12/26 14:11	06/13/26 13:20	1
Perfluorooctanoic acid (PFOA)	35	cn	1.8	0.83	ng/L		06/12/26 14:11	06/13/26 13:20	1
Perfluorononanoic acid (PFNA)	14	cn	1.8	0.46	ng/L		06/12/26 14:11	06/13/26 13:20	1
Perfluorodecanoic acid (PFDA)	0.46	J cn	1.8	0.46	ng/L		06/12/26 14:11	06/13/26 13:20	1
Perfluoroundecanoic acid (PFUnA)	ND	cn	1.8	0.46	ng/L		06/12/26 14:11	06/13/26 13:20	1
Perfluorododecanoic acid (PFDoA)	ND	cn	1.8	0.46	ng/L		06/12/26 14:11	06/13/26 13:20	1
Perfluorotridecanoic acid (PFTriDA)	ND	cn	1.8	0.46	ng/L		06/12/26 14:11	06/13/26 13:20	1
Perfluorotetradecanoic acid (PFTeDA)	ND	cn	1.8	0.46	ng/L		06/12/26 14:11	06/13/26 13:20	1
Perfluorobutanesulfonic acid (PFBS)	2.0	cn	1.8	0.46	ng/L		06/12/26 14:11	06/13/26 13:20	1
Perfluoropentanesulfonic acid (PFPeS)	ND	cn	1.8	0.46	ng/L		06/12/26 14:11	06/13/26 13:20	1
Perfluorohexanesulfonic acid (PFHxS)	1.5	J cn	1.8	0.74	ng/L		06/12/26 14:11	06/13/26 13:20	1
Perfluoroheptanesulfonic acid (PFHpS)	ND	cn	1.8	0.46	ng/L		06/12/26 14:11	06/13/26 13:20	1
Perfluorooctanesulfonic acid (PFOS)	7.2	cn	1.8	1.2	ng/L		06/12/26 14:11	06/13/26 13:20	1
Perfluorononanesulfonic acid (PFNS)	ND	cn	1.8	0.46	ng/L		06/12/26 14:11	06/13/26 13:20	1
Perfluorodecanesulfonic acid (PFDS)	ND	cn	1.8	0.46	ng/L		06/12/26 14:11	06/13/26 13:20	1
Perfluorododecanesulfonic acid (PFDoS)	ND	cn	1.8	0.55	ng/L		06/12/26 14:11	06/13/26 13:20	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND	cn	3.7	0.92	ng/L		06/12/26 14:11	06/13/26 13:20	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	40	cn	3.7	0.92	ng/L		06/12/26 14:11	06/13/26 13:20	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	2.5	J cn	3.7	0.92	ng/L		06/12/26 14:11	06/13/26 13:20	1
Perfluorooctanesulfonamide (PFOSA)	ND	cn	1.8	0.46	ng/L		06/12/26 14:11	06/13/26 13:20	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND	B cn	1.8	0.46	ng/L		06/12/26 14:11	06/13/26 13:20	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND	B cn	1.8	1.0	ng/L		06/12/26 14:11	06/13/26 13:20	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-47

Lab Sample ID: 410-286356-1

Date Collected: 06/02/26 08:45

Matrix: Water

Date Received: 06/02/26 17:40

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND	cn	1.8	0.46	ng/L		06/12/26 14:11	06/13/26 13:20	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND	cn	1.8	0.46	ng/L		06/12/26 14:11	06/13/26 13:20	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND	cn	9.2	3.7	ng/L		06/12/26 14:11	06/13/26 13:20	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND	B cn	9.2	3.7	ng/L		06/12/26 14:11	06/13/26 13:20	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	cn	1.8	1.3	ng/L		06/12/26 14:11	06/13/26 13:20	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	cn	1.8	0.46	ng/L		06/12/26 14:11	06/13/26 13:20	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	cn	1.8	0.46	ng/L		06/12/26 14:11	06/13/26 13:20	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	cn	1.8	0.46	ng/L		06/12/26 14:11	06/13/26 13:20	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	cn	1.8	0.46	ng/L		06/12/26 14:11	06/13/26 13:20	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND	cn	1.8	0.46	ng/L		06/12/26 14:11	06/13/26 13:20	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND	cn	1.8	0.46	ng/L		06/12/26 14:11	06/13/26 13:20	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND	cn	1.8	0.46	ng/L		06/12/26 14:11	06/13/26 13:20	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND	cn	3.7	0.92	ng/L		06/12/26 14:11	06/13/26 13:20	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND	cn	9.2	2.6	ng/L		06/12/26 14:11	06/13/26 13:20	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND	cn	9.2	2.3	ng/L		06/12/26 14:11	06/13/26 13:20	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	112	cn	5 - 130	06/12/26 14:11	06/13/26 13:20	1
13C5 PFPeA	103	cn	40 - 130	06/12/26 14:11	06/13/26 13:20	1
13C5 PFHxA	101	cn	40 - 130	06/12/26 14:11	06/13/26 13:20	1
13C4 PFHpA	98.8	cn	40 - 130	06/12/26 14:11	06/13/26 13:20	1
13C8 PFOA	102	cn	40 - 130	06/12/26 14:11	06/13/26 13:20	1
13C9 PFNA	101	cn	40 - 130	06/12/26 14:11	06/13/26 13:20	1
13C6 PFDA	79.0	cn	40 - 130	06/12/26 14:11	06/13/26 13:20	1
13C7 PFUnA	74.8	cn	30 - 130	06/12/26 14:11	06/13/26 13:20	1
13C2 PFTeDA	19.3	cn	10 - 130	06/12/26 14:11	06/13/26 13:20	1
13C3 PFBS	107	cn	40 - 135	06/12/26 14:11	06/13/26 13:20	1
13C3 PFHxS	99.8	cn	40 - 130	06/12/26 14:11	06/13/26 13:20	1
13C8 PFOS	92.1	cn	40 - 130	06/12/26 14:11	06/13/26 13:20	1
13C8 FOSA	97.7	cn	40 - 130	06/12/26 14:11	06/13/26 13:20	1
d3-NMeFOSAA	86.9	cn	40 - 170	06/12/26 14:11	06/13/26 13:20	1
d5-NEtFOSAA	82.5	cn	25 - 135	06/12/26 14:11	06/13/26 13:20	1
13C2 4:2 FTS	136	cn	40 - 200	06/12/26 14:11	06/13/26 13:20	1
13C2 6:2 FTS	154	cn	40 - 200	06/12/26 14:11	06/13/26 13:20	1
13C2 8:2 FTS	89.9	cn	40 - 300	06/12/26 14:11	06/13/26 13:20	1
13C3 HFPO-DA	105	cn	40 - 130	06/12/26 14:11	06/13/26 13:20	1
d7-N-MeFOSE-M	40.7	cn	10 - 130	06/12/26 14:11	06/13/26 13:20	1
d9-N-EtFOSE-M	27.9	cn	10 - 130	06/12/26 14:11	06/13/26 13:20	1
d5-NEtPFOSA	35.9	cn	10 - 130	06/12/26 14:11	06/13/26 13:20	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-47

Lab Sample ID: 410-286356-1

Date Collected: 06/02/26 08:45

Matrix: Water

Date Received: 06/02/26 17:40

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
d3-NMePFOSA	52.6	cn	10 - 130	06/12/26 14:11	06/13/26 13:20	1
13C2 PFDoA	60.7	cn	10 - 130	06/12/26 14:11	06/13/26 13:20	1
13C3-3:3 FTCA	110	cn	20 - 150	06/12/26 14:11	06/13/26 13:20	1
13C3-5:3 FTCA	96.6	cn	20 - 150	06/12/26 14:11	06/13/26 13:20	1
13C3-PFDoS	26.6	cn	20 - 150	06/12/26 14:11	06/13/26 13:20	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-56

Lab Sample ID: 410-286356-2

Date Collected: 06/02/26 09:00

Matrix: Water

Date Received: 06/02/26 17:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/13/26 15:38	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/13/26 15:38	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/13/26 15:38	1
Styrene	ND		5.0	0.30	ug/L			06/13/26 15:38	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/13/26 15:38	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/13/26 15:38	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/13/26 15:38	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/13/26 15:38	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/13/26 15:38	1
Toluene	ND		1.0	0.30	ug/L			06/13/26 15:38	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/13/26 15:38	1
Cyclohexane	ND		5.0	1.0	ug/L			06/13/26 15:38	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/13/26 15:38	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/13/26 15:38	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/13/26 15:38	1
Tetrachloroethene	3.3	^c cn	1.0	0.30	ug/L			06/13/26 15:38	1
trans-1,2-Dichloroethene	2.7		2.0	0.70	ug/L			06/13/26 15:38	1
Methyl tertiary butyl ether	0.41	J	1.0	0.20	ug/L			06/13/26 15:38	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/13/26 15:38	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			06/13/26 15:38	1
2-Hexanone	ND	^c cn	10	0.85	ug/L			06/13/26 15:38	1
Acetone	ND		20	0.70	ug/L			06/13/26 15:38	1
Chloroform	ND		1.0	0.30	ug/L			06/13/26 15:38	1
Benzene	ND		1.0	0.30	ug/L			06/13/26 15:38	1
Bromomethane	ND		1.0	0.30	ug/L			06/13/26 15:38	1
Chloromethane	ND	^c cn	2.0	0.55	ug/L			06/13/26 15:38	1
Chloroethane	ND		1.0	0.30	ug/L			06/13/26 15:38	1
Vinyl chloride	1.1		1.0	0.30	ug/L			06/13/26 15:38	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/13/26 15:38	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/13/26 15:38	1
Bromoform	ND	^c cn	4.0	1.0	ug/L			06/13/26 15:38	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/13/26 15:38	1
1,1-Dichloroethane	37		1.0	0.30	ug/L			06/13/26 15:38	1
1,1-Dichloroethene	32		1.0	0.30	ug/L			06/13/26 15:38	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/13/26 15:38	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/13/26 15:38	1
Freon 113	26	^c cn	10	0.30	ug/L			06/13/26 15:38	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/13/26 15:38	1
2-Butanone	ND	^c cn	10	1.0	ug/L			06/13/26 15:38	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/13/26 15:38	1
Trichloroethene	240		1.0	0.30	ug/L			06/13/26 15:38	1
Methyl acetate	ND		5.0	0.60	ug/L			06/13/26 15:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/13/26 15:38	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/13/26 15:38	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/13/26 15:38	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/13/26 15:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		06/13/26 15:38	1
Dibromofluoromethane (Surr)	112		80 - 120		06/13/26 15:38	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-56

Lab Sample ID: 410-286356-2

Date Collected: 06/02/26 09:00

Matrix: Water

Date Received: 06/02/26 17:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		80 - 120		06/13/26 15:38	1
Toluene-d8 (Surr)	91		80 - 120		06/13/26 15:38	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	250		10	3.0	ug/L			06/16/26 15:59	10
1,1,1-Trichloroethane	130		10	3.0	ug/L			06/16/26 15:59	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		06/16/26 15:59	10
Dibromofluoromethane (Surr)	94		80 - 120		06/16/26 15:59	10
4-Bromofluorobenzene (Surr)	97		80 - 120		06/16/26 15:59	10
Toluene-d8 (Surr)	94		80 - 120		06/16/26 15:59	10

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	21		3.3	0.90	ng/L		06/12/26 14:11	06/13/26 13:34	1
Perfluoropentanoic acid (PFPeA)	36		1.6	0.49	ng/L		06/12/26 14:11	06/13/26 13:34	1
Perfluorohexanoic acid (PFHxA)	27		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 13:34	1
Perfluoroheptanoic acid (PFHpA)	19		1.6	0.65	ng/L		06/12/26 14:11	06/13/26 13:34	1
Perfluorooctanoic acid (PFOA)	24		1.6	0.73	ng/L		06/12/26 14:11	06/13/26 13:34	1
Perfluorononanoic acid (PFNA)	9.8		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 13:34	1
Perfluorodecanoic acid (PFDA)	0.74 J		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 13:34	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 13:34	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 13:34	1
Perfluorotridecanoic acid (PFTriDA)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 13:34	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 13:34	1
Perfluorobutanesulfonic acid (PFBS)	2.1		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 13:34	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 13:34	1
Perfluorohexanesulfonic acid (PFHxS)	1.8		1.6	0.65	ng/L		06/12/26 14:11	06/13/26 13:34	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 13:34	1
Perfluorooctanesulfonic acid (PFOS)	9.9		1.6	1.1	ng/L		06/12/26 14:11	06/13/26 13:34	1
Perfluorononanesulfonic acid (PFNS)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 13:34	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 13:34	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.6	0.49	ng/L		06/12/26 14:11	06/13/26 13:34	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.3	0.81	ng/L		06/12/26 14:11	06/13/26 13:34	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	10		3.3	0.81	ng/L		06/12/26 14:11	06/13/26 13:34	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.3	0.81	ng/L		06/12/26 14:11	06/13/26 13:34	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 13:34	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND B cn		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 13:34	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND B cn		1.6	0.90	ng/L		06/12/26 14:11	06/13/26 13:34	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-56

Lab Sample ID: 410-286356-2

Date Collected: 06/02/26 09:00

Matrix: Water

Date Received: 06/02/26 17:40

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 13:34	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 13:34	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.1	3.3	ng/L		06/12/26 14:11	06/13/26 13:34	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND	B cn	8.1	3.3	ng/L		06/12/26 14:11	06/13/26 13:34	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.6	1.1	ng/L		06/12/26 14:11	06/13/26 13:34	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 13:34	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 13:34	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 13:34	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 13:34	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 13:34	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 13:34	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 13:34	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.3	0.81	ng/L		06/12/26 14:11	06/13/26 13:34	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		8.1	2.3	ng/L		06/12/26 14:11	06/13/26 13:34	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.1	2.0	ng/L		06/12/26 14:11	06/13/26 13:34	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	103		5 - 130	06/12/26 14:11	06/13/26 13:34	1
13C5 PFPeA	104		40 - 130	06/12/26 14:11	06/13/26 13:34	1
13C5 PFHxA	103		40 - 130	06/12/26 14:11	06/13/26 13:34	1
13C4 PFHpA	103		40 - 130	06/12/26 14:11	06/13/26 13:34	1
13C8 PFOA	100		40 - 130	06/12/26 14:11	06/13/26 13:34	1
13C9 PFNA	94.6		40 - 130	06/12/26 14:11	06/13/26 13:34	1
13C6 PFDA	71.1		40 - 130	06/12/26 14:11	06/13/26 13:34	1
13C7 PFUnA	61.2		30 - 130	06/12/26 14:11	06/13/26 13:34	1
13C2 PFTeDA	35.3		10 - 130	06/12/26 14:11	06/13/26 13:34	1
13C3 PFBS	104		40 - 135	06/12/26 14:11	06/13/26 13:34	1
13C3 PFHxS	96.7		40 - 130	06/12/26 14:11	06/13/26 13:34	1
13C8 PFOS	68.0		40 - 130	06/12/26 14:11	06/13/26 13:34	1
13C8 FOSA	87.5		40 - 130	06/12/26 14:11	06/13/26 13:34	1
d3-NMeFOSAA	79.1		40 - 170	06/12/26 14:11	06/13/26 13:34	1
d5-NEtFOSAA	76.3		25 - 135	06/12/26 14:11	06/13/26 13:34	1
13C2 4:2 FTS	140		40 - 200	06/12/26 14:11	06/13/26 13:34	1
13C2 6:2 FTS	114		40 - 200	06/12/26 14:11	06/13/26 13:34	1
13C2 8:2 FTS	82.8		40 - 300	06/12/26 14:11	06/13/26 13:34	1
13C3 HFPO-DA	106		40 - 130	06/12/26 14:11	06/13/26 13:34	1
d7-N-MeFOSE-M	59.8		10 - 130	06/12/26 14:11	06/13/26 13:34	1
d9-N-EtFOSE-M	51.1		10 - 130	06/12/26 14:11	06/13/26 13:34	1
d5-NEtPFOSA	63.4		10 - 130	06/12/26 14:11	06/13/26 13:34	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-56

Lab Sample ID: 410-286356-2

Date Collected: 06/02/26 09:00

Matrix: Water

Date Received: 06/02/26 17:40

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
d3-NMePFOSA	69.3		10 - 130	06/12/26 14:11	06/13/26 13:34	1
13C2 PFDoA	48.5		10 - 130	06/12/26 14:11	06/13/26 13:34	1
13C3-3:3 FTCA	115		20 - 150	06/12/26 14:11	06/13/26 13:34	1
13C3-5:3 FTCA	104		20 - 150	06/12/26 14:11	06/13/26 13:34	1
13C3-PFDoS	36.5		20 - 150	06/12/26 14:11	06/13/26 13:34	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-46

Lab Sample ID: 410-286356-3

Date Collected: 06/02/26 09:15

Matrix: Water

Date Received: 06/02/26 17:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND	cn	2.0	1.0	ug/L			06/13/26 22:25	2
trans-1,3-Dichloropropene	ND	cn	2.0	0.40	ug/L			06/13/26 22:25	2
Ethylbenzene	ND	cn	2.0	0.80	ug/L			06/13/26 22:25	2
Styrene	ND	cn	10	0.60	ug/L			06/13/26 22:25	2
1,4-Dichlorobenzene	ND	cn	10	0.60	ug/L			06/13/26 22:25	2
1,2-Dibromoethane	ND	cn	2.0	0.40	ug/L			06/13/26 22:25	2
1,2-Dichloroethane	ND	cn	2.0	0.60	ug/L			06/13/26 22:25	2
4-Methyl-2-pentanone	ND	cn	20	1.0	ug/L			06/13/26 22:25	2
Methylcyclohexane	ND	cn	10	1.0	ug/L			06/13/26 22:25	2
Toluene	ND	cn	2.0	0.60	ug/L			06/13/26 22:25	2
Chlorobenzene	ND	cn	2.0	0.60	ug/L			06/13/26 22:25	2
Cyclohexane	ND	cn	10	2.0	ug/L			06/13/26 22:25	2
1,2,4-Trichlorobenzene	ND	cn	10	0.60	ug/L			06/13/26 22:25	2
Dibromochloromethane	ND	cn	2.0	0.40	ug/L			06/13/26 22:25	2
Xylenes, Total	ND	cn	2.0	0.80	ug/L			06/13/26 22:25	2
Tetrachloroethene	ND	^c cn	2.0	0.60	ug/L			06/13/26 22:25	2
cis-1,2-Dichloroethene	ND	cn	2.0	0.60	ug/L			06/13/26 22:25	2
trans-1,2-Dichloroethene	ND	cn	4.0	1.4	ug/L			06/13/26 22:25	2
Methyl tertiary butyl ether	ND	cn	2.0	0.40	ug/L			06/13/26 22:25	2
1,3-Dichlorobenzene	ND	cn	10	1.4	ug/L			06/13/26 22:25	2
Carbon tetrachloride	ND	^c cn	2.0	0.60	ug/L			06/13/26 22:25	2
2-Hexanone	ND	^c cn	20	1.7	ug/L			06/13/26 22:25	2
Acetone	ND	cn	40	1.4	ug/L			06/13/26 22:25	2
Chloroform	ND	cn	2.0	0.60	ug/L			06/13/26 22:25	2
Benzene	ND	cn	2.0	0.60	ug/L			06/13/26 22:25	2
1,1,1-Trichloroethane	ND	^c *+ cn	2.0	0.60	ug/L			06/13/26 22:25	2
Bromomethane	ND	cn	2.0	0.60	ug/L			06/13/26 22:25	2
Chloromethane	ND	^c cn	4.0	1.1	ug/L			06/13/26 22:25	2
Chloroethane	ND	cn	2.0	0.60	ug/L			06/13/26 22:25	2
Vinyl chloride	ND	cn	2.0	0.60	ug/L			06/13/26 22:25	2
Methylene Chloride	ND	cn	2.0	0.60	ug/L			06/13/26 22:25	2
Carbon disulfide	ND	cn	10	0.60	ug/L			06/13/26 22:25	2
Bromoform	ND	^c cn	8.0	2.0	ug/L			06/13/26 22:25	2
Bromodichloromethane	ND	cn	2.0	0.40	ug/L			06/13/26 22:25	2
1,1-Dichloroethane	ND	cn	2.0	0.60	ug/L			06/13/26 22:25	2
1,1-Dichloroethene	ND	cn	2.0	0.60	ug/L			06/13/26 22:25	2
Trichlorofluoromethane	ND	cn	2.0	0.60	ug/L			06/13/26 22:25	2
Dichlorodifluoromethane	ND	cn	2.0	0.60	ug/L			06/13/26 22:25	2
Freon 113	ND	^c cn	20	0.60	ug/L			06/13/26 22:25	2
1,2-Dichloropropane	ND	cn	2.0	0.60	ug/L			06/13/26 22:25	2
2-Butanone	ND	^c cn	20	2.0	ug/L			06/13/26 22:25	2
1,1,2-Trichloroethane	ND	cn	2.0	0.60	ug/L			06/13/26 22:25	2
Trichloroethene	ND	cn	2.0	0.60	ug/L			06/13/26 22:25	2
Methyl acetate	ND	cn	10	1.2	ug/L			06/13/26 22:25	2
1,1,2,2-Tetrachloroethane	ND	cn	2.0	0.60	ug/L			06/13/26 22:25	2
1,2-Dichlorobenzene	ND	cn	10	0.40	ug/L			06/13/26 22:25	2
1,2-Dibromo-3-Chloropropane	ND	cn	10	0.60	ug/L			06/13/26 22:25	2
Isopropylbenzene	ND	cn	10	0.60	ug/L			06/13/26 22:25	2

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-46

Lab Sample ID: 410-286356-3

Date Collected: 06/02/26 09:15

Matrix: Water

Date Received: 06/02/26 17:40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104	cn	80 - 120		06/13/26 22:25	2
Dibromofluoromethane (Surr)	117	cn	80 - 120		06/13/26 22:25	2
4-Bromofluorobenzene (Surr)	95	cn	80 - 120		06/13/26 22:25	2
Toluene-d8 (Surr)	90	cn	80 - 120		06/13/26 22:25	2

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		3.9	1.1	ng/L		06/12/26 14:11	06/13/26 13:48	1
Perfluoropentanoic acid (PFPeA)	3.1		2.0	0.59	ng/L		06/12/26 14:11	06/13/26 13:48	1
Perfluorohexanoic acid (PFHxA)	2.8	I cn	2.0	0.49	ng/L		06/12/26 14:11	06/13/26 13:48	1
Perfluoroheptanoic acid (PFHpA)	3.1		2.0	0.79	ng/L		06/12/26 14:11	06/13/26 13:48	1
Perfluorooctanoic acid (PFOA)	14		2.0	0.89	ng/L		06/12/26 14:11	06/13/26 13:48	1
Perfluorononanoic acid (PFNA)	3.0		2.0	0.49	ng/L		06/12/26 14:11	06/13/26 13:48	1
Perfluorodecanoic acid (PFDA)	0.50	J	2.0	0.49	ng/L		06/12/26 14:11	06/13/26 13:48	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.49	ng/L		06/12/26 14:11	06/13/26 13:48	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.49	ng/L		06/12/26 14:11	06/13/26 13:48	1
Perfluorotridecanoic acid (PFTrDA)	ND		2.0	0.49	ng/L		06/12/26 14:11	06/13/26 13:48	1
Perfluorotetradecanoic acid (PFTeDA)	ND		2.0	0.49	ng/L		06/12/26 14:11	06/13/26 13:48	1
Perfluorobutanesulfonic acid (PFBS)	1.7	J	2.0	0.49	ng/L		06/12/26 14:11	06/13/26 13:48	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.49	ng/L		06/12/26 14:11	06/13/26 13:48	1
Perfluorohexanesulfonic acid (PFHxS)	4.6		2.0	0.79	ng/L		06/12/26 14:11	06/13/26 13:48	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.49	ng/L		06/12/26 14:11	06/13/26 13:48	1
Perfluorooctanesulfonic acid (PFOS)	19		2.0	1.3	ng/L		06/12/26 14:11	06/13/26 13:48	1
Perfluorononanesulfonic acid (PFNS)	ND		2.0	0.49	ng/L		06/12/26 14:11	06/13/26 13:48	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.49	ng/L		06/12/26 14:11	06/13/26 13:48	1
Perfluorododecanesulfonic acid (PFDoS)	ND		2.0	0.59	ng/L		06/12/26 14:11	06/13/26 13:48	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.9	0.99	ng/L		06/12/26 14:11	06/13/26 13:48	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		3.9	0.99	ng/L		06/12/26 14:11	06/13/26 13:48	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.9	0.99	ng/L		06/12/26 14:11	06/13/26 13:48	1
Perfluorooctanesulfonamide (PFOSA)	ND		2.0	0.49	ng/L		06/12/26 14:11	06/13/26 13:48	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND	B cn	2.0	0.49	ng/L		06/12/26 14:11	06/13/26 13:48	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND	B cn	2.0	1.1	ng/L		06/12/26 14:11	06/13/26 13:48	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.0	0.49	ng/L		06/12/26 14:11	06/13/26 13:48	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.0	0.49	ng/L		06/12/26 14:11	06/13/26 13:48	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		9.9	3.9	ng/L		06/12/26 14:11	06/13/26 13:48	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND	B cn	9.9	3.9	ng/L		06/12/26 14:11	06/13/26 13:48	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		2.0	1.4	ng/L		06/12/26 14:11	06/13/26 13:48	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-46

Lab Sample ID: 410-286356-3

Date Collected: 06/02/26 09:15

Matrix: Water

Date Received: 06/02/26 17:40

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.49	ng/L		06/12/26 14:11	06/13/26 13:48	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.49	ng/L		06/12/26 14:11	06/13/26 13:48	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.49	ng/L		06/12/26 14:11	06/13/26 13:48	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.49	ng/L		06/12/26 14:11	06/13/26 13:48	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9CI-PF3ONS)	ND		2.0	0.49	ng/L		06/12/26 14:11	06/13/26 13:48	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11CI-PF3OUdS)	ND		2.0	0.49	ng/L		06/12/26 14:11	06/13/26 13:48	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.49	ng/L		06/12/26 14:11	06/13/26 13:48	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.9	0.99	ng/L		06/12/26 14:11	06/13/26 13:48	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		9.9	2.8	ng/L		06/12/26 14:11	06/13/26 13:48	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		9.9	2.5	ng/L		06/12/26 14:11	06/13/26 13:48	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	95.6		5 - 130	06/12/26 14:11	06/13/26 13:48	1
13C5 PFPeA	75.1		40 - 130	06/12/26 14:11	06/13/26 13:48	1
13C5 PFHxA	84.8		40 - 130	06/12/26 14:11	06/13/26 13:48	1
13C4 PFHpA	85.6		40 - 130	06/12/26 14:11	06/13/26 13:48	1
13C8 PFOA	93.8		40 - 130	06/12/26 14:11	06/13/26 13:48	1
13C9 PFNA	90.7		40 - 130	06/12/26 14:11	06/13/26 13:48	1
13C6 PFDA	67.5		40 - 130	06/12/26 14:11	06/13/26 13:48	1
13C7 PFUnA	58.3		30 - 130	06/12/26 14:11	06/13/26 13:48	1
13C2 PFTeDA	35.0		10 - 130	06/12/26 14:11	06/13/26 13:48	1
13C3 PFBS	98.1		40 - 135	06/12/26 14:11	06/13/26 13:48	1
13C3 PFHxS	91.1		40 - 130	06/12/26 14:11	06/13/26 13:48	1
13C8 PFOS	60.9		40 - 130	06/12/26 14:11	06/13/26 13:48	1
13C8 FOSA	86.8		40 - 130	06/12/26 14:11	06/13/26 13:48	1
d3-NMeFOSAA	85.0		40 - 170	06/12/26 14:11	06/13/26 13:48	1
d5-NEtFOSAA	80.4		25 - 135	06/12/26 14:11	06/13/26 13:48	1
13C2 4:2 FTS	174		40 - 200	06/12/26 14:11	06/13/26 13:48	1
13C2 6:2 FTS	155		40 - 200	06/12/26 14:11	06/13/26 13:48	1
13C2 8:2 FTS	96.0		40 - 300	06/12/26 14:11	06/13/26 13:48	1
13C3 HFPO-DA	94.3		40 - 130	06/12/26 14:11	06/13/26 13:48	1
d7-N-MeFOSE-M	58.5		10 - 130	06/12/26 14:11	06/13/26 13:48	1
d9-N-EtFOSE-M	49.4		10 - 130	06/12/26 14:11	06/13/26 13:48	1
d5-NEtPFOSA	61.0		10 - 130	06/12/26 14:11	06/13/26 13:48	1
d3-NMePFOSA	65.9		10 - 130	06/12/26 14:11	06/13/26 13:48	1
13C2 PFDoA	48.3		10 - 130	06/12/26 14:11	06/13/26 13:48	1
13C3-3:3 FTCA	86.0		20 - 150	06/12/26 14:11	06/13/26 13:48	1
13C3-5:3 FTCA	100		20 - 150	06/12/26 14:11	06/13/26 13:48	1
13C3-PFDoS	38.5		20 - 150	06/12/26 14:11	06/13/26 13:48	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-63

Lab Sample ID: 410-286356-4

Date Collected: 06/02/26 09:30

Matrix: Water

Date Received: 06/02/26 17:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/13/26 15:58	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/13/26 15:58	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/13/26 15:58	1
Styrene	ND		5.0	0.30	ug/L			06/13/26 15:58	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/13/26 15:58	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/13/26 15:58	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/13/26 15:58	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/13/26 15:58	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/13/26 15:58	1
Toluene	ND		1.0	0.30	ug/L			06/13/26 15:58	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/13/26 15:58	1
Cyclohexane	ND		5.0	1.0	ug/L			06/13/26 15:58	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/13/26 15:58	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/13/26 15:58	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/13/26 15:58	1
Tetrachloroethene	10	^c cn	1.0	0.30	ug/L			06/13/26 15:58	1
trans-1,2-Dichloroethene	9.0		2.0	0.70	ug/L			06/13/26 15:58	1
Methyl tertiary butyl ether	0.65	J	1.0	0.20	ug/L			06/13/26 15:58	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/13/26 15:58	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			06/13/26 15:58	1
2-Hexanone	ND	^c cn	10	0.85	ug/L			06/13/26 15:58	1
Acetone	ND		20	0.70	ug/L			06/13/26 15:58	1
Chloroform	ND		1.0	0.30	ug/L			06/13/26 15:58	1
Benzene	ND		1.0	0.30	ug/L			06/13/26 15:58	1
Bromomethane	ND		1.0	0.30	ug/L			06/13/26 15:58	1
Chloromethane	ND	^c cn	2.0	0.55	ug/L			06/13/26 15:58	1
Chloroethane	ND		1.0	0.30	ug/L			06/13/26 15:58	1
Vinyl chloride	4.3		1.0	0.30	ug/L			06/13/26 15:58	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/13/26 15:58	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/13/26 15:58	1
Bromoform	ND	^c cn	4.0	1.0	ug/L			06/13/26 15:58	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/13/26 15:58	1
1,1-Dichloroethane	75		1.0	0.30	ug/L			06/13/26 15:58	1
1,1-Dichloroethene	65		1.0	0.30	ug/L			06/13/26 15:58	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/13/26 15:58	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/13/26 15:58	1
Freon 113	41	^c cn	10	0.30	ug/L			06/13/26 15:58	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/13/26 15:58	1
2-Butanone	ND	^c cn	10	1.0	ug/L			06/13/26 15:58	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/13/26 15:58	1
Methyl acetate	ND		5.0	0.60	ug/L			06/13/26 15:58	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/13/26 15:58	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/13/26 15:58	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/13/26 15:58	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/13/26 15:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120		06/13/26 15:58	1
Dibromofluoromethane (Surr)	115		80 - 120		06/13/26 15:58	1
4-Bromofluorobenzene (Surr)	95		80 - 120		06/13/26 15:58	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-63

Lab Sample ID: 410-286356-4

Date Collected: 06/02/26 09:30

Matrix: Water

Date Received: 06/02/26 17:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		80 - 120		06/13/26 15:58	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	710		10	3.0	ug/L			06/16/26 16:19	10
1,1,1-Trichloroethane	410		10	3.0	ug/L			06/16/26 16:19	10
Trichloroethene	820		10	3.0	ug/L			06/16/26 16:19	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		06/16/26 16:19	10
Dibromofluoromethane (Surr)	95		80 - 120		06/16/26 16:19	10
4-Bromofluorobenzene (Surr)	97		80 - 120		06/16/26 16:19	10
Toluene-d8 (Surr)	95		80 - 120		06/16/26 16:19	10

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	31		3.6	0.99	ng/L		06/12/26 14:11	06/13/26 14:01	1
Perfluoropentanoic acid (PFPeA)	78		1.8	0.54	ng/L		06/12/26 14:11	06/13/26 14:01	1
Perfluorohexanoic acid (PFHxA)	51		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 14:01	1
Perfluoroheptanoic acid (PFHpA)	41		1.8	0.72	ng/L		06/12/26 14:11	06/13/26 14:01	1
Perfluorooctanoic acid (PFOA)	38		1.8	0.81	ng/L		06/12/26 14:11	06/13/26 14:01	1
Perfluorononanoic acid (PFNA)	15		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 14:01	1
Perfluorodecanoic acid (PFDA)	0.79 J		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 14:01	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 14:01	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 14:01	1
Perfluorotridecanoic acid (PFTriDA)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 14:01	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 14:01	1
Perfluorobutanesulfonic acid (PFBS)	2.4		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 14:01	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 14:01	1
Perfluorohexanesulfonic acid (PFHxS)	1.4 J		1.8	0.72	ng/L		06/12/26 14:11	06/13/26 14:01	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 14:01	1
Perfluorooctanesulfonic acid (PFOS)	10		1.8	1.2	ng/L		06/12/26 14:11	06/13/26 14:01	1
Perfluorononanesulfonic acid (PFNS)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 14:01	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 14:01	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.54	ng/L		06/12/26 14:11	06/13/26 14:01	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.6	0.90	ng/L		06/12/26 14:11	06/13/26 14:01	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	47		3.6	0.90	ng/L		06/12/26 14:11	06/13/26 14:01	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	6.2		3.6	0.90	ng/L		06/12/26 14:11	06/13/26 14:01	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 14:01	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND B cn		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 14:01	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND B cn		1.8	0.99	ng/L		06/12/26 14:11	06/13/26 14:01	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-63

Lab Sample ID: 410-286356-4

Date Collected: 06/02/26 09:30

Matrix: Water

Date Received: 06/02/26 17:40

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 14:01	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 14:01	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		9.0	3.6	ng/L		06/12/26 14:11	06/13/26 14:01	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND	B cn	9.0	3.6	ng/L		06/12/26 14:11	06/13/26 14:01	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.8	1.3	ng/L		06/12/26 14:11	06/13/26 14:01	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 14:01	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 14:01	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 14:01	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 14:01	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 14:01	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 14:01	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 14:01	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.6	0.90	ng/L		06/12/26 14:11	06/13/26 14:01	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		9.0	2.5	ng/L		06/12/26 14:11	06/13/26 14:01	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		9.0	2.2	ng/L		06/12/26 14:11	06/13/26 14:01	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	101		5 - 130	06/12/26 14:11	06/13/26 14:01	1
13C5 PFPeA	98.0		40 - 130	06/12/26 14:11	06/13/26 14:01	1
13C5 PFHxA	97.7		40 - 130	06/12/26 14:11	06/13/26 14:01	1
13C4 PFHpA	95.4		40 - 130	06/12/26 14:11	06/13/26 14:01	1
13C8 PFOA	98.3		40 - 130	06/12/26 14:11	06/13/26 14:01	1
13C9 PFNA	85.4		40 - 130	06/12/26 14:11	06/13/26 14:01	1
13C6 PFDA	62.2		40 - 130	06/12/26 14:11	06/13/26 14:01	1
13C7 PFUnA	55.6		30 - 130	06/12/26 14:11	06/13/26 14:01	1
13C2 PFTeDA	42.8		10 - 130	06/12/26 14:11	06/13/26 14:01	1
13C3 PFBS	99.7		40 - 135	06/12/26 14:11	06/13/26 14:01	1
13C3 PFHxS	89.3		40 - 130	06/12/26 14:11	06/13/26 14:01	1
13C8 PFOS	55.4		40 - 130	06/12/26 14:11	06/13/26 14:01	1
13C8 FOSA	86.3		40 - 130	06/12/26 14:11	06/13/26 14:01	1
d3-NMeFOSAA	76.9		40 - 170	06/12/26 14:11	06/13/26 14:01	1
d5-NEtFOSAA	75.8		25 - 135	06/12/26 14:11	06/13/26 14:01	1
13C2 4:2 FTS	121		40 - 200	06/12/26 14:11	06/13/26 14:01	1
13C2 6:2 FTS	105		40 - 200	06/12/26 14:11	06/13/26 14:01	1
13C2 8:2 FTS	75.1		40 - 300	06/12/26 14:11	06/13/26 14:01	1
13C3 HFPO-DA	103		40 - 130	06/12/26 14:11	06/13/26 14:01	1
d7-N-MeFOSE-M	64.5		10 - 130	06/12/26 14:11	06/13/26 14:01	1
d9-N-EtFOSE-M	52.1		10 - 130	06/12/26 14:11	06/13/26 14:01	1
d5-NEtPFOSA	66.9		10 - 130	06/12/26 14:11	06/13/26 14:01	1

Eurolins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-63

Lab Sample ID: 410-286356-4

Date Collected: 06/02/26 09:30

Matrix: Water

Date Received: 06/02/26 17:40

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
d3-NMePFOSA	71.4		10 - 130	06/12/26 14:11	06/13/26 14:01	1
13C2 PFDoA	46.6		10 - 130	06/12/26 14:11	06/13/26 14:01	1
13C3-3:3 FTCA	111		20 - 150	06/12/26 14:11	06/13/26 14:01	1
13C3-5:3 FTCA	97.4		20 - 150	06/12/26 14:11	06/13/26 14:01	1
13C3-PFDoS	50.4		20 - 150	06/12/26 14:11	06/13/26 14:01	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-62

Lab Sample ID: 410-286356-5

Date Collected: 06/02/26 09:45

Matrix: Water

Date Received: 06/02/26 17:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/13/26 16:19	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/13/26 16:19	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/13/26 16:19	1
Styrene	ND		5.0	0.30	ug/L			06/13/26 16:19	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/13/26 16:19	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/13/26 16:19	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/13/26 16:19	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/13/26 16:19	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/13/26 16:19	1
Toluene	ND		1.0	0.30	ug/L			06/13/26 16:19	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/13/26 16:19	1
Cyclohexane	ND		5.0	1.0	ug/L			06/13/26 16:19	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/13/26 16:19	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/13/26 16:19	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/13/26 16:19	1
Tetrachloroethene	2.1	^c cn	1.0	0.30	ug/L			06/13/26 16:19	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/13/26 16:19	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/13/26 16:19	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/13/26 16:19	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/13/26 16:19	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			06/13/26 16:19	1
2-Hexanone	ND	^c cn	10	0.85	ug/L			06/13/26 16:19	1
Acetone	ND		20	0.70	ug/L			06/13/26 16:19	1
Chloroform	ND		1.0	0.30	ug/L			06/13/26 16:19	1
Benzene	ND		1.0	0.30	ug/L			06/13/26 16:19	1
1,1,1-Trichloroethane	0.66	J	1.0	0.30	ug/L			06/16/26 12:24	1
Bromomethane	ND		1.0	0.30	ug/L			06/13/26 16:19	1
Chloromethane	ND	^c cn	2.0	0.55	ug/L			06/13/26 16:19	1
Chloroethane	ND		1.0	0.30	ug/L			06/13/26 16:19	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/13/26 16:19	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/13/26 16:19	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/13/26 16:19	1
Bromoform	ND	^c cn	4.0	1.0	ug/L			06/13/26 16:19	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/13/26 16:19	1
1,1-Dichloroethane	0.32	J	1.0	0.30	ug/L			06/13/26 16:19	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/13/26 16:19	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/13/26 16:19	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/13/26 16:19	1
Freon 113	ND	^c cn	10	0.30	ug/L			06/13/26 16:19	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/13/26 16:19	1
2-Butanone	ND	^c cn	10	1.0	ug/L			06/13/26 16:19	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/13/26 16:19	1
Trichloroethene	1.0		1.0	0.30	ug/L			06/16/26 12:24	1
Methyl acetate	ND		5.0	0.60	ug/L			06/13/26 16:19	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/13/26 16:19	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/13/26 16:19	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/13/26 16:19	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/13/26 16:19	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-62

Lab Sample ID: 410-286356-5

Date Collected: 06/02/26 09:45

Matrix: Water

Date Received: 06/02/26 17:40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		80 - 120		06/13/26 16:19	1
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		06/16/26 12:24	1
Dibromofluoromethane (Surr)	113		80 - 120		06/13/26 16:19	1
Dibromofluoromethane (Surr)	93		80 - 120		06/16/26 12:24	1
4-Bromofluorobenzene (Surr)	95		80 - 120		06/13/26 16:19	1
4-Bromofluorobenzene (Surr)	98		80 - 120		06/16/26 12:24	1
Toluene-d8 (Surr)	92		80 - 120		06/13/26 16:19	1
Toluene-d8 (Surr)	95		80 - 120		06/16/26 12:24	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	15		3.6	1.0	ng/L		06/12/26 14:11	06/13/26 14:15	1
Perfluoropentanoic acid (PFPeA)	37		1.8	0.55	ng/L		06/12/26 14:11	06/13/26 14:15	1
Perfluorohexanoic acid (PFHxA)	27		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 14:15	1
Perfluoroheptanoic acid (PFHpA)	16		1.8	0.73	ng/L		06/12/26 14:11	06/13/26 14:15	1
Perfluorooctanoic acid (PFOA)	20		1.8	0.82	ng/L		06/12/26 14:11	06/13/26 14:15	1
Perfluorononanoic acid (PFNA)	4.7		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 14:15	1
Perfluorodecanoic acid (PFDA)	2.0		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 14:15	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 14:15	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 14:15	1
Perfluorotridecanoic acid (PFTrDA)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 14:15	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 14:15	1
Perfluorobutanesulfonic acid (PFBS)	4.4		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 14:15	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 14:15	1
Perfluorohexanesulfonic acid (PFHxS)	2.5		1.8	0.73	ng/L		06/12/26 14:11	06/13/26 14:15	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 14:15	1
Perfluorooctanesulfonic acid (PFOS)	13		1.8	1.2	ng/L		06/12/26 14:11	06/13/26 14:15	1
Perfluorononanesulfonic acid (PFNS)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 14:15	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 14:15	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.55	ng/L		06/12/26 14:11	06/13/26 14:15	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.6	0.91	ng/L		06/12/26 14:11	06/13/26 14:15	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		3.6	0.91	ng/L		06/12/26 14:11	06/13/26 14:15	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.6	0.91	ng/L		06/12/26 14:11	06/13/26 14:15	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 14:15	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND	B cn	1.8	0.45	ng/L		06/12/26 14:11	06/13/26 14:15	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND	B cn	1.8	1.0	ng/L		06/12/26 14:11	06/13/26 14:15	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 14:15	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 14:15	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		9.1	3.6	ng/L		06/12/26 14:11	06/13/26 14:15	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-62

Lab Sample ID: 410-286356-5

Date Collected: 06/02/26 09:45

Matrix: Water

Date Received: 06/02/26 17:40

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctane sulfonamidoethanol (NETFOSE)	ND	B cn	9.1	3.6	ng/L		06/12/26 14:11	06/13/26 14:15	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.8	1.3	ng/L		06/12/26 14:11	06/13/26 14:15	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 14:15	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 14:15	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 14:15	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 14:15	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 14:15	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 14:15	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 14:15	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.6	0.91	ng/L		06/12/26 14:11	06/13/26 14:15	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		9.1	2.5	ng/L		06/12/26 14:11	06/13/26 14:15	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		9.1	2.3	ng/L		06/12/26 14:11	06/13/26 14:15	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	95.8		5 - 130	06/12/26 14:11	06/13/26 14:15	1
13C5 PFPeA	96.9		40 - 130	06/12/26 14:11	06/13/26 14:15	1
13C5 PFHxA	94.9		40 - 130	06/12/26 14:11	06/13/26 14:15	1
13C4 PFHpA	94.0		40 - 130	06/12/26 14:11	06/13/26 14:15	1
13C8 PFOA	88.2		40 - 130	06/12/26 14:11	06/13/26 14:15	1
13C9 PFNA	90.9		40 - 130	06/12/26 14:11	06/13/26 14:15	1
13C6 PFDA	82.8		40 - 130	06/12/26 14:11	06/13/26 14:15	1
13C7 PFUnA	76.8		30 - 130	06/12/26 14:11	06/13/26 14:15	1
13C2 PFTeDA	72.9		10 - 130	06/12/26 14:11	06/13/26 14:15	1
13C3 PFBS	101		40 - 135	06/12/26 14:11	06/13/26 14:15	1
13C3 PFHxS	93.9		40 - 130	06/12/26 14:11	06/13/26 14:15	1
13C8 PFOS	90.9		40 - 130	06/12/26 14:11	06/13/26 14:15	1
13C8 FOSA	87.1		40 - 130	06/12/26 14:11	06/13/26 14:15	1
d3-NMeFOSAA	79.4		40 - 170	06/12/26 14:11	06/13/26 14:15	1
d5-NEtFOSAA	76.0		25 - 135	06/12/26 14:11	06/13/26 14:15	1
13C2 4:2 FTS	133		40 - 200	06/12/26 14:11	06/13/26 14:15	1
13C2 6:2 FTS	108		40 - 200	06/12/26 14:11	06/13/26 14:15	1
13C2 8:2 FTS	90.6		40 - 300	06/12/26 14:11	06/13/26 14:15	1
13C3 HFPO-DA	101		40 - 130	06/12/26 14:11	06/13/26 14:15	1
d7-N-MeFOSE-M	52.7		10 - 130	06/12/26 14:11	06/13/26 14:15	1
d9-N-EtFOSE-M	42.8		10 - 130	06/12/26 14:11	06/13/26 14:15	1
d5-NEtPFOSA	71.0		10 - 130	06/12/26 14:11	06/13/26 14:15	1
d3-NMePFOSA	74.0		10 - 130	06/12/26 14:11	06/13/26 14:15	1
13C2 PFDoA	75.8		10 - 130	06/12/26 14:11	06/13/26 14:15	1
13C3-3:3 FTCA	113		20 - 150	06/12/26 14:11	06/13/26 14:15	1
13C3-5:3 FTCA	96.3		20 - 150	06/12/26 14:11	06/13/26 14:15	1
13C3-PFDoS	71.9		20 - 150	06/12/26 14:11	06/13/26 14:15	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-53A

Lab Sample ID: 410-286356-6

Date Collected: 06/02/26 10:00

Matrix: Water

Date Received: 06/02/26 17:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/13/26 16:40	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/13/26 16:40	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/13/26 16:40	1
Styrene	ND		5.0	0.30	ug/L			06/13/26 16:40	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/13/26 16:40	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/13/26 16:40	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/13/26 16:40	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/13/26 16:40	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/13/26 16:40	1
Toluene	ND		1.0	0.30	ug/L			06/13/26 16:40	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/13/26 16:40	1
Cyclohexane	ND		5.0	1.0	ug/L			06/13/26 16:40	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/13/26 16:40	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/13/26 16:40	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/13/26 16:40	1
Tetrachloroethene	5.6	^c cn	1.0	0.30	ug/L			06/13/26 16:40	1
trans-1,2-Dichloroethene	5.1		2.0	0.70	ug/L			06/13/26 16:40	1
Methyl tertiary butyl ether	0.52	J	1.0	0.20	ug/L			06/13/26 16:40	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/13/26 16:40	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			06/13/26 16:40	1
2-Hexanone	ND	^c cn	10	0.85	ug/L			06/13/26 16:40	1
Acetone	1.1	J	20	0.70	ug/L			06/13/26 16:40	1
Chloroform	ND		1.0	0.30	ug/L			06/13/26 16:40	1
Benzene	ND		1.0	0.30	ug/L			06/13/26 16:40	1
Bromomethane	ND		1.0	0.30	ug/L			06/13/26 16:40	1
Chloromethane	ND	^c cn	2.0	0.55	ug/L			06/13/26 16:40	1
Chloroethane	ND		1.0	0.30	ug/L			06/13/26 16:40	1
Vinyl chloride	3.0		1.0	0.30	ug/L			06/13/26 16:40	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/13/26 16:40	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/13/26 16:40	1
Bromoform	ND	^c cn	4.0	1.0	ug/L			06/13/26 16:40	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/13/26 16:40	1
1,1-Dichloroethane	35		1.0	0.30	ug/L			06/13/26 16:40	1
1,1-Dichloroethene	40		1.0	0.30	ug/L			06/13/26 16:40	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/13/26 16:40	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/13/26 16:40	1
Freon 113	9.8	J ^c cn	10	0.30	ug/L			06/13/26 16:40	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/13/26 16:40	1
2-Butanone	ND	^c cn	10	1.0	ug/L			06/13/26 16:40	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/13/26 16:40	1
Methyl acetate	ND		5.0	0.60	ug/L			06/13/26 16:40	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/13/26 16:40	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/13/26 16:40	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/13/26 16:40	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/13/26 16:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		06/13/26 16:40	1
Dibromofluoromethane (Surr)	116		80 - 120		06/13/26 16:40	1
4-Bromofluorobenzene (Surr)	91		80 - 120		06/13/26 16:40	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-53A

Lab Sample ID: 410-286356-6

Date Collected: 06/02/26 10:00

Matrix: Water

Date Received: 06/02/26 17:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		80 - 120		06/13/26 16:40	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	380		10	3.0	ug/L			06/16/26 16:38	10
1,1,1-Trichloroethane	150		10	3.0	ug/L			06/16/26 16:38	10
Trichloroethene	410		10	3.0	ug/L			06/16/26 16:38	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		80 - 120		06/16/26 16:38	10
Dibromofluoromethane (Surr)	96		80 - 120		06/16/26 16:38	10
4-Bromofluorobenzene (Surr)	97		80 - 120		06/16/26 16:38	10
Toluene-d8 (Surr)	95		80 - 120		06/16/26 16:38	10

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	27		3.2	0.88	ng/L		06/12/26 14:11	06/13/26 14:28	1
Perfluoropentanoic acid (PFPeA)	60		1.6	0.48	ng/L		06/12/26 14:11	06/13/26 14:28	1
Perfluorohexanoic acid (PFHxA)	45		1.6	0.40	ng/L		06/12/26 14:11	06/13/26 14:28	1
Perfluoroheptanoic acid (PFHpA)	31		1.6	0.64	ng/L		06/12/26 14:11	06/13/26 14:28	1
Perfluorooctanoic acid (PFOA)	34		1.6	0.72	ng/L		06/12/26 14:11	06/13/26 14:28	1
Perfluorononanoic acid (PFNA)	10		1.6	0.40	ng/L		06/12/26 14:11	06/13/26 14:28	1
Perfluorodecanoic acid (PFDA)	1.7		1.6	0.40	ng/L		06/12/26 14:11	06/13/26 14:28	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.40	ng/L		06/12/26 14:11	06/13/26 14:28	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.40	ng/L		06/12/26 14:11	06/13/26 14:28	1
Perfluorotridecanoic acid (PFTriDA)	ND		1.6	0.40	ng/L		06/12/26 14:11	06/13/26 14:28	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.6	0.40	ng/L		06/12/26 14:11	06/13/26 14:28	1
Perfluorobutanesulfonic acid (PFBS)	3.2		1.6	0.40	ng/L		06/12/26 14:11	06/13/26 14:28	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.6	0.40	ng/L		06/12/26 14:11	06/13/26 14:28	1
Perfluorohexanesulfonic acid (PFHxS)	2.1		1.6	0.64	ng/L		06/12/26 14:11	06/13/26 14:28	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.6	0.40	ng/L		06/12/26 14:11	06/13/26 14:28	1
Perfluorooctanesulfonic acid (PFOS)	12		1.6	1.0	ng/L		06/12/26 14:11	06/13/26 14:28	1
Perfluorononanesulfonic acid (PFNS)	ND		1.6	0.40	ng/L		06/12/26 14:11	06/13/26 14:28	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.40	ng/L		06/12/26 14:11	06/13/26 14:28	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.6	0.48	ng/L		06/12/26 14:11	06/13/26 14:28	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.2	0.80	ng/L		06/12/26 14:11	06/13/26 14:28	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	30		3.2	0.80	ng/L		06/12/26 14:11	06/13/26 14:28	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	2.5 J		3.2	0.80	ng/L		06/12/26 14:11	06/13/26 14:28	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.6	0.40	ng/L		06/12/26 14:11	06/13/26 14:28	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND	B cn	1.6	0.40	ng/L		06/12/26 14:11	06/13/26 14:28	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND	B cn	1.6	0.88	ng/L		06/12/26 14:11	06/13/26 14:28	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-53A

Lab Sample ID: 410-286356-6

Date Collected: 06/02/26 10:00

Matrix: Water

Date Received: 06/02/26 17:40

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.6	0.40	ng/L		06/12/26 14:11	06/13/26 14:28	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.6	0.40	ng/L		06/12/26 14:11	06/13/26 14:28	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.0	3.2	ng/L		06/12/26 14:11	06/13/26 14:28	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND	B cn	8.0	3.2	ng/L		06/12/26 14:11	06/13/26 14:28	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.6	1.1	ng/L		06/12/26 14:11	06/13/26 14:28	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.6	0.40	ng/L		06/12/26 14:11	06/13/26 14:28	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.6	0.40	ng/L		06/12/26 14:11	06/13/26 14:28	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.6	0.40	ng/L		06/12/26 14:11	06/13/26 14:28	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.6	0.40	ng/L		06/12/26 14:11	06/13/26 14:28	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.6	0.40	ng/L		06/12/26 14:11	06/13/26 14:28	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.6	0.40	ng/L		06/12/26 14:11	06/13/26 14:28	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.6	0.40	ng/L		06/12/26 14:11	06/13/26 14:28	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.2	0.80	ng/L		06/12/26 14:11	06/13/26 14:28	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		8.0	2.2	ng/L		06/12/26 14:11	06/13/26 14:28	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.0	2.0	ng/L		06/12/26 14:11	06/13/26 14:28	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	109		5 - 130	06/12/26 14:11	06/13/26 14:28	1
13C5 PFPeA	104		40 - 130	06/12/26 14:11	06/13/26 14:28	1
13C5 PFHxA	99.4		40 - 130	06/12/26 14:11	06/13/26 14:28	1
13C4 PFHpA	101		40 - 130	06/12/26 14:11	06/13/26 14:28	1
13C8 PFOA	97.0		40 - 130	06/12/26 14:11	06/13/26 14:28	1
13C9 PFNA	98.0		40 - 130	06/12/26 14:11	06/13/26 14:28	1
13C6 PFDA	83.8		40 - 130	06/12/26 14:11	06/13/26 14:28	1
13C7 PFUnA	86.0		30 - 130	06/12/26 14:11	06/13/26 14:28	1
13C2 PFTeDA	69.9		10 - 130	06/12/26 14:11	06/13/26 14:28	1
13C3 PFBS	106		40 - 135	06/12/26 14:11	06/13/26 14:28	1
13C3 PFHxS	96.9		40 - 130	06/12/26 14:11	06/13/26 14:28	1
13C8 PFOS	95.2		40 - 130	06/12/26 14:11	06/13/26 14:28	1
13C8 FOSA	92.9		40 - 130	06/12/26 14:11	06/13/26 14:28	1
d3-NMeFOSAA	89.4		40 - 170	06/12/26 14:11	06/13/26 14:28	1
d5-NEtFOSAA	88.0		25 - 135	06/12/26 14:11	06/13/26 14:28	1
13C2 4:2 FTS	129		40 - 200	06/12/26 14:11	06/13/26 14:28	1
13C2 6:2 FTS	103		40 - 200	06/12/26 14:11	06/13/26 14:28	1
13C2 8:2 FTS	92.3		40 - 300	06/12/26 14:11	06/13/26 14:28	1
13C3 HFPO-DA	104		40 - 130	06/12/26 14:11	06/13/26 14:28	1
d7-N-MeFOSE-M	60.4		10 - 130	06/12/26 14:11	06/13/26 14:28	1
d9-N-EtFOSE-M	50.8		10 - 130	06/12/26 14:11	06/13/26 14:28	1
d5-NEtPFOSA	79.3		10 - 130	06/12/26 14:11	06/13/26 14:28	1

Eurolins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-53A

Lab Sample ID: 410-286356-6

Date Collected: 06/02/26 10:00

Matrix: Water

Date Received: 06/02/26 17:40

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
d3-NMePFOSA	82.4		10 - 130	06/12/26 14:11	06/13/26 14:28	1
13C2 PFDoA	81.9		10 - 130	06/12/26 14:11	06/13/26 14:28	1
13C3-3:3 FTCA	118		20 - 150	06/12/26 14:11	06/13/26 14:28	1
13C3-5:3 FTCA	99.4		20 - 150	06/12/26 14:11	06/13/26 14:28	1
13C3-PFDoS	78.5		20 - 150	06/12/26 14:11	06/13/26 14:28	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-53B

Lab Sample ID: 410-286356-7

Date Collected: 06/02/26 10:10

Matrix: Water

Date Received: 06/02/26 17:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/13/26 17:00	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/13/26 17:00	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/13/26 17:00	1
Styrene	ND		5.0	0.30	ug/L			06/13/26 17:00	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/13/26 17:00	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/13/26 17:00	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/13/26 17:00	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/13/26 17:00	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/13/26 17:00	1
Toluene	ND		1.0	0.30	ug/L			06/13/26 17:00	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/13/26 17:00	1
Cyclohexane	ND		5.0	1.0	ug/L			06/13/26 17:00	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/13/26 17:00	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/13/26 17:00	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/13/26 17:00	1
Tetrachloroethene	0.54	J ^c cn	1.0	0.30	ug/L			06/13/26 17:00	1
cis-1,2-Dichloroethene	39		1.0	0.30	ug/L			06/13/26 17:00	1
trans-1,2-Dichloroethene	1.3	J	2.0	0.70	ug/L			06/13/26 17:00	1
Methyl tertiary butyl ether	0.81	J	1.0	0.20	ug/L			06/13/26 17:00	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/13/26 17:00	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			06/13/26 17:00	1
2-Hexanone	ND	^c cn	10	0.85	ug/L			06/13/26 17:00	1
Acetone	ND		20	0.70	ug/L			06/13/26 17:00	1
Chloroform	ND		1.0	0.30	ug/L			06/13/26 17:00	1
Benzene	ND		1.0	0.30	ug/L			06/13/26 17:00	1
1,1,1-Trichloroethane	5.1		1.0	0.30	ug/L			06/16/26 12:43	1
Bromomethane	ND		1.0	0.30	ug/L			06/13/26 17:00	1
Chloromethane	ND	^c cn	2.0	0.55	ug/L			06/13/26 17:00	1
Chloroethane	0.91	J	1.0	0.30	ug/L			06/13/26 17:00	1
Vinyl chloride	22		1.0	0.30	ug/L			06/13/26 17:00	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/13/26 17:00	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/13/26 17:00	1
Bromoform	ND	^c cn	4.0	1.0	ug/L			06/13/26 17:00	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/13/26 17:00	1
1,1-Dichloroethane	28		1.0	0.30	ug/L			06/13/26 17:00	1
1,1-Dichloroethene	2.7		1.0	0.30	ug/L			06/13/26 17:00	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/13/26 17:00	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/13/26 17:00	1
Freon 113	0.31	J ^c cn	10	0.30	ug/L			06/13/26 17:00	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/13/26 17:00	1
2-Butanone	ND	^c cn	10	1.0	ug/L			06/13/26 17:00	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/13/26 17:00	1
Trichloroethene	30		1.0	0.30	ug/L			06/13/26 17:00	1
Methyl acetate	ND		5.0	0.60	ug/L			06/13/26 17:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/13/26 17:00	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/13/26 17:00	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/13/26 17:00	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/13/26 17:00	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-53B

Lab Sample ID: 410-286356-7

Date Collected: 06/02/26 10:10

Matrix: Water

Date Received: 06/02/26 17:40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		06/13/26 17:00	1
1,2-Dichloroethane-d4 (Surr)	100		80 - 120		06/16/26 12:43	1
Dibromofluoromethane (Surr)	112		80 - 120		06/13/26 17:00	1
Dibromofluoromethane (Surr)	93		80 - 120		06/16/26 12:43	1
4-Bromofluorobenzene (Surr)	92		80 - 120		06/13/26 17:00	1
4-Bromofluorobenzene (Surr)	100		80 - 120		06/16/26 12:43	1
Toluene-d8 (Surr)	90		80 - 120		06/13/26 17:00	1
Toluene-d8 (Surr)	96		80 - 120		06/16/26 12:43	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	13		3.4	0.94	ng/L		06/12/26 14:11	06/13/26 14:42	1
Perfluoropentanoic acid (PFPeA)	28		1.7	0.51	ng/L		06/12/26 14:11	06/13/26 14:42	1
Perfluorohexanoic acid (PFHxA)	19		1.7	0.43	ng/L		06/12/26 14:11	06/13/26 14:42	1
Perfluoroheptanoic acid (PFHpA)	12		1.7	0.68	ng/L		06/12/26 14:11	06/13/26 14:42	1
Perfluorooctanoic acid (PFOA)	12		1.7	0.77	ng/L		06/12/26 14:11	06/13/26 14:42	1
Perfluorononanoic acid (PFNA)	3.6		1.7	0.43	ng/L		06/12/26 14:11	06/13/26 14:42	1
Perfluorodecanoic acid (PFDA)	0.50 J		1.7	0.43	ng/L		06/12/26 14:11	06/13/26 14:42	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.43	ng/L		06/12/26 14:11	06/13/26 14:42	1
Perfluorododecanoic acid (PFDoA)	ND		1.7	0.43	ng/L		06/12/26 14:11	06/13/26 14:42	1
Perfluorotridecanoic acid (PFTrDA)	ND		1.7	0.43	ng/L		06/12/26 14:11	06/13/26 14:42	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.7	0.43	ng/L		06/12/26 14:11	06/13/26 14:42	1
Perfluorobutanesulfonic acid (PFBS)	0.94 J		1.7	0.43	ng/L		06/12/26 14:11	06/13/26 14:42	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.7	0.43	ng/L		06/12/26 14:11	06/13/26 14:42	1
Perfluorohexanesulfonic acid (PFHxS)	0.85 J		1.7	0.68	ng/L		06/12/26 14:11	06/13/26 14:42	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.7	0.43	ng/L		06/12/26 14:11	06/13/26 14:42	1
Perfluorooctanesulfonic acid (PFOS)	2.8		1.7	1.1	ng/L		06/12/26 14:11	06/13/26 14:42	1
Perfluorononanesulfonic acid (PFNS)	ND		1.7	0.43	ng/L		06/12/26 14:11	06/13/26 14:42	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.43	ng/L		06/12/26 14:11	06/13/26 14:42	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.7	0.51	ng/L		06/12/26 14:11	06/13/26 14:42	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.4	0.85	ng/L		06/12/26 14:11	06/13/26 14:42	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	19		3.4	0.85	ng/L		06/12/26 14:11	06/13/26 14:42	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.86 J		3.4	0.85	ng/L		06/12/26 14:11	06/13/26 14:42	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.7	0.43	ng/L		06/12/26 14:11	06/13/26 14:42	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND B cn		1.7	0.43	ng/L		06/12/26 14:11	06/13/26 14:42	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND B cn		1.7	0.94	ng/L		06/12/26 14:11	06/13/26 14:42	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.7	0.43	ng/L		06/12/26 14:11	06/13/26 14:42	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.7	0.43	ng/L		06/12/26 14:11	06/13/26 14:42	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.5	3.4	ng/L		06/12/26 14:11	06/13/26 14:42	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-53B

Lab Sample ID: 410-286356-7

Date Collected: 06/02/26 10:10

Matrix: Water

Date Received: 06/02/26 17:40

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND	B cn	8.5	3.4	ng/L		06/12/26 14:11	06/13/26 14:42	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.7	1.2	ng/L		06/12/26 14:11	06/13/26 14:42	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.7	0.43	ng/L		06/12/26 14:11	06/13/26 14:42	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.7	0.43	ng/L		06/12/26 14:11	06/13/26 14:42	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.7	0.43	ng/L		06/12/26 14:11	06/13/26 14:42	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.7	0.43	ng/L		06/12/26 14:11	06/13/26 14:42	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.7	0.43	ng/L		06/12/26 14:11	06/13/26 14:42	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.7	0.43	ng/L		06/12/26 14:11	06/13/26 14:42	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.7	0.43	ng/L		06/12/26 14:11	06/13/26 14:42	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.4	0.85	ng/L		06/12/26 14:11	06/13/26 14:42	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		8.5	2.4	ng/L		06/12/26 14:11	06/13/26 14:42	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.5	2.1	ng/L		06/12/26 14:11	06/13/26 14:42	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	111		5 - 130	06/12/26 14:11	06/13/26 14:42	1
13C5 PFPeA	117		40 - 130	06/12/26 14:11	06/13/26 14:42	1
13C5 PFHxA	109		40 - 130	06/12/26 14:11	06/13/26 14:42	1
13C4 PFHpA	113		40 - 130	06/12/26 14:11	06/13/26 14:42	1
13C8 PFOA	98.9		40 - 130	06/12/26 14:11	06/13/26 14:42	1
13C9 PFNA	96.5		40 - 130	06/12/26 14:11	06/13/26 14:42	1
13C6 PFDA	82.4		40 - 130	06/12/26 14:11	06/13/26 14:42	1
13C7 PFUnA	87.1		30 - 130	06/12/26 14:11	06/13/26 14:42	1
13C2 PFTeDA	63.2		10 - 130	06/12/26 14:11	06/13/26 14:42	1
13C3 PFBS	108		40 - 135	06/12/26 14:11	06/13/26 14:42	1
13C3 PFHxS	105		40 - 130	06/12/26 14:11	06/13/26 14:42	1
13C8 PFOS	93.3		40 - 130	06/12/26 14:11	06/13/26 14:42	1
13C8 FOSA	91.4		40 - 130	06/12/26 14:11	06/13/26 14:42	1
d3-NMeFOSAA	84.3		40 - 170	06/12/26 14:11	06/13/26 14:42	1
d5-NEtFOSAA	81.7		25 - 135	06/12/26 14:11	06/13/26 14:42	1
13C2 4:2 FTS	141		40 - 200	06/12/26 14:11	06/13/26 14:42	1
13C2 6:2 FTS	116		40 - 200	06/12/26 14:11	06/13/26 14:42	1
13C2 8:2 FTS	99.2		40 - 300	06/12/26 14:11	06/13/26 14:42	1
13C3 HFPO-DA	107		40 - 130	06/12/26 14:11	06/13/26 14:42	1
d7-N-MeFOSE-M	51.5		10 - 130	06/12/26 14:11	06/13/26 14:42	1
d9-N-EtFOSE-M	40.7		10 - 130	06/12/26 14:11	06/13/26 14:42	1
d5-NEtPFOSA	71.3		10 - 130	06/12/26 14:11	06/13/26 14:42	1
d3-NMePFOSA	76.5		10 - 130	06/12/26 14:11	06/13/26 14:42	1
13C2 PFDoA	82.5		10 - 130	06/12/26 14:11	06/13/26 14:42	1
13C3-3:3 FTCA	137		20 - 150	06/12/26 14:11	06/13/26 14:42	1
13C3-5:3 FTCA	110		20 - 150	06/12/26 14:11	06/13/26 14:42	1
13C3-PFDoS	69.4		20 - 150	06/12/26 14:11	06/13/26 14:42	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-54

Lab Sample ID: 410-286356-8

Date Collected: 06/02/26 10:15

Matrix: Water

Date Received: 06/02/26 17:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/13/26 17:20	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/13/26 17:20	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/13/26 17:20	1
Styrene	ND		5.0	0.30	ug/L			06/13/26 17:20	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/13/26 17:20	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/13/26 17:20	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/13/26 17:20	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/13/26 17:20	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/13/26 17:20	1
Toluene	ND		1.0	0.30	ug/L			06/13/26 17:20	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/13/26 17:20	1
Cyclohexane	ND		5.0	1.0	ug/L			06/13/26 17:20	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/13/26 17:20	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/13/26 17:20	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/13/26 17:20	1
Tetrachloroethene	0.33	J ^c cn	1.0	0.30	ug/L			06/13/26 17:20	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/13/26 17:20	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/13/26 17:20	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/13/26 17:20	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/13/26 17:20	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			06/13/26 17:20	1
2-Hexanone	ND	^c cn	10	0.85	ug/L			06/13/26 17:20	1
Acetone	ND		20	0.70	ug/L			06/13/26 17:20	1
Chloroform	ND		1.0	0.30	ug/L			06/13/26 17:20	1
Benzene	ND		1.0	0.30	ug/L			06/13/26 17:20	1
1,1,1-Trichloroethane	ND	^c *+ cn	1.0	0.30	ug/L			06/13/26 17:20	1
Bromomethane	ND		1.0	0.30	ug/L			06/13/26 17:20	1
Chloromethane	ND	^c cn	2.0	0.55	ug/L			06/13/26 17:20	1
Chloroethane	ND		1.0	0.30	ug/L			06/13/26 17:20	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/13/26 17:20	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/13/26 17:20	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/13/26 17:20	1
Bromoform	ND	^c cn	4.0	1.0	ug/L			06/13/26 17:20	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/13/26 17:20	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/13/26 17:20	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/13/26 17:20	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/13/26 17:20	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/13/26 17:20	1
Freon 113	ND	^c cn	10	0.30	ug/L			06/13/26 17:20	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/13/26 17:20	1
2-Butanone	ND	^c cn	10	1.0	ug/L			06/13/26 17:20	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/13/26 17:20	1
Trichloroethene	0.34	J	1.0	0.30	ug/L			06/13/26 17:20	1
Methyl acetate	ND		5.0	0.60	ug/L			06/13/26 17:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/13/26 17:20	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/13/26 17:20	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/13/26 17:20	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/13/26 17:20	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-54

Lab Sample ID: 410-286356-8

Date Collected: 06/02/26 10:15

Matrix: Water

Date Received: 06/02/26 17:40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		80 - 120		06/13/26 17:20	1
Dibromofluoromethane (Surr)	112		80 - 120		06/13/26 17:20	1
4-Bromofluorobenzene (Surr)	93		80 - 120		06/13/26 17:20	1
Toluene-d8 (Surr)	91		80 - 120		06/13/26 17:20	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	6.5		3.0	0.82	ng/L		06/12/26 14:11	06/13/26 15:22	1
Perfluoropentanoic acid (PFPeA)	3.7		1.5	0.45	ng/L		06/12/26 14:11	06/13/26 15:22	1
Perfluorohexanoic acid (PFHxA)	3.2		1.5	0.37	ng/L		06/12/26 14:11	06/13/26 15:22	1
Perfluoroheptanoic acid (PFHpA)	1.9		1.5	0.60	ng/L		06/12/26 14:11	06/13/26 15:22	1
Perfluorooctanoic acid (PFOA)	2.7		1.5	0.67	ng/L		06/12/26 14:11	06/13/26 15:22	1
Perfluorononanoic acid (PFNA)	1.4	J	1.5	0.37	ng/L		06/12/26 14:11	06/13/26 15:22	1
Perfluorodecanoic acid (PFDA)	0.70	J	1.5	0.37	ng/L		06/12/26 14:11	06/13/26 15:22	1
Perfluoroundecanoic acid (PFUnA)	ND		1.5	0.37	ng/L		06/12/26 14:11	06/13/26 15:22	1
Perfluorododecanoic acid (PFDoA)	ND		1.5	0.37	ng/L		06/12/26 14:11	06/13/26 15:22	1
Perfluorotridecanoic acid (PFTrDA)	ND		1.5	0.37	ng/L		06/12/26 14:11	06/13/26 15:22	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.5	0.37	ng/L		06/12/26 14:11	06/13/26 15:22	1
Perfluorobutanesulfonic acid (PFBS)	0.66	J	1.5	0.37	ng/L		06/12/26 14:11	06/13/26 15:22	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.5	0.37	ng/L		06/12/26 14:11	06/13/26 15:22	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.5	0.60	ng/L		06/12/26 14:11	06/13/26 15:22	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.5	0.37	ng/L		06/12/26 14:11	06/13/26 15:22	1
Perfluorooctanesulfonic acid (PFOS)	3.1		1.5	0.97	ng/L		06/12/26 14:11	06/13/26 15:22	1
Perfluorononanesulfonic acid (PFNS)	ND		1.5	0.37	ng/L		06/12/26 14:11	06/13/26 15:22	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.5	0.37	ng/L		06/12/26 14:11	06/13/26 15:22	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.5	0.45	ng/L		06/12/26 14:11	06/13/26 15:22	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.0	0.75	ng/L		06/12/26 14:11	06/13/26 15:22	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		3.0	0.75	ng/L		06/12/26 14:11	06/13/26 15:22	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.0	0.75	ng/L		06/12/26 14:11	06/13/26 15:22	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.5	0.37	ng/L		06/12/26 14:11	06/13/26 15:22	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND	B cn	1.5	0.37	ng/L		06/12/26 14:11	06/13/26 15:22	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND	B cn	1.5	0.82	ng/L		06/12/26 14:11	06/13/26 15:22	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.5	0.37	ng/L		06/12/26 14:11	06/13/26 15:22	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.5	0.37	ng/L		06/12/26 14:11	06/13/26 15:22	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		7.5	3.0	ng/L		06/12/26 14:11	06/13/26 15:22	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND	B cn	7.5	3.0	ng/L		06/12/26 14:11	06/13/26 15:22	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.5	1.0	ng/L		06/12/26 14:11	06/13/26 15:22	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.5	0.37	ng/L		06/12/26 14:11	06/13/26 15:22	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-54

Lab Sample ID: 410-286356-8

Date Collected: 06/02/26 10:15

Matrix: Water

Date Received: 06/02/26 17:40

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.5	0.37	ng/L		06/12/26 14:11	06/13/26 15:22	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.5	0.37	ng/L		06/12/26 14:11	06/13/26 15:22	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.5	0.37	ng/L		06/12/26 14:11	06/13/26 15:22	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	ND		1.5	0.37	ng/L		06/12/26 14:11	06/13/26 15:22	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	ND		1.5	0.37	ng/L		06/12/26 14:11	06/13/26 15:22	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.5	0.37	ng/L		06/12/26 14:11	06/13/26 15:22	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.0	0.75	ng/L		06/12/26 14:11	06/13/26 15:22	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		7.5	2.1	ng/L		06/12/26 14:11	06/13/26 15:22	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		7.5	1.9	ng/L		06/12/26 14:11	06/13/26 15:22	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	94.9		5 - 130				06/12/26 14:11	06/13/26 15:22	1
13C5 PFPeA	93.2		40 - 130				06/12/26 14:11	06/13/26 15:22	1
13C5 PFHxA	88.8		40 - 130				06/12/26 14:11	06/13/26 15:22	1
13C4 PFHpA	90.1		40 - 130				06/12/26 14:11	06/13/26 15:22	1
13C8 PFOA	93.8		40 - 130				06/12/26 14:11	06/13/26 15:22	1
13C9 PFNA	91.1		40 - 130				06/12/26 14:11	06/13/26 15:22	1
13C6 PFDA	79.0		40 - 130				06/12/26 14:11	06/13/26 15:22	1
13C7 PFUnA	83.0		30 - 130				06/12/26 14:11	06/13/26 15:22	1
13C2 PFTeDA	62.3		10 - 130				06/12/26 14:11	06/13/26 15:22	1
13C3 PFBS	94.2		40 - 135				06/12/26 14:11	06/13/26 15:22	1
13C3 PFHxS	95.7		40 - 130				06/12/26 14:11	06/13/26 15:22	1
13C8 PFOS	89.0		40 - 130				06/12/26 14:11	06/13/26 15:22	1
13C8 FOSA	91.0		40 - 130				06/12/26 14:11	06/13/26 15:22	1
d3-NMeFOSAA	93.6		40 - 170				06/12/26 14:11	06/13/26 15:22	1
d5-NEtFOSAA	91.6		25 - 135				06/12/26 14:11	06/13/26 15:22	1
13C2 4:2 FTS	129		40 - 200				06/12/26 14:11	06/13/26 15:22	1
13C2 6:2 FTS	117		40 - 200				06/12/26 14:11	06/13/26 15:22	1
13C2 8:2 FTS	94.6		40 - 300				06/12/26 14:11	06/13/26 15:22	1
13C3 HFPO-DA	91.9		40 - 130				06/12/26 14:11	06/13/26 15:22	1
d7-N-MeFOSE-M	59.1		10 - 130				06/12/26 14:11	06/13/26 15:22	1
d9-N-EtFOSE-M	44.6		10 - 130				06/12/26 14:11	06/13/26 15:22	1
d5-NEtPFOSA	73.5		10 - 130				06/12/26 14:11	06/13/26 15:22	1
d3-NMePFOSA	77.9		10 - 130				06/12/26 14:11	06/13/26 15:22	1
13C2 PFDaA	77.5		10 - 130				06/12/26 14:11	06/13/26 15:22	1
13C3-3:3 FTCA	99.1		20 - 150				06/12/26 14:11	06/13/26 15:22	1
13C3-5:3 FTCA	95.6		20 - 150				06/12/26 14:11	06/13/26 15:22	1
13C3-PFDaS	76.2		20 - 150				06/12/26 14:11	06/13/26 15:22	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-43A

Lab Sample ID: 410-286356-9

Date Collected: 06/02/26 10:30

Matrix: Water

Date Received: 06/02/26 17:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/13/26 17:40	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/13/26 17:40	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/13/26 17:40	1
Styrene	ND		5.0	0.30	ug/L			06/13/26 17:40	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/13/26 17:40	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/13/26 17:40	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/13/26 17:40	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/13/26 17:40	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/13/26 17:40	1
Toluene	ND		1.0	0.30	ug/L			06/13/26 17:40	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/13/26 17:40	1
Cyclohexane	ND		5.0	1.0	ug/L			06/13/26 17:40	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/13/26 17:40	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/13/26 17:40	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/13/26 17:40	1
Tetrachloroethene	8.2	^c cn	1.0	0.30	ug/L			06/13/26 17:40	1
cis-1,2-Dichloroethene	130		1.0	0.30	ug/L			06/13/26 17:40	1
trans-1,2-Dichloroethene	1.0	J	2.0	0.70	ug/L			06/13/26 17:40	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/13/26 17:40	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/13/26 17:40	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			06/13/26 17:40	1
2-Hexanone	ND	^c cn	10	0.85	ug/L			06/13/26 17:40	1
Acetone	ND		20	0.70	ug/L			06/13/26 17:40	1
Chloroform	ND		1.0	0.30	ug/L			06/13/26 17:40	1
Benzene	ND		1.0	0.30	ug/L			06/13/26 17:40	1
1,1,1-Trichloroethane	32		1.0	0.30	ug/L			06/16/26 13:02	1
Bromomethane	ND		1.0	0.30	ug/L			06/13/26 17:40	1
Chloromethane	ND	^c cn	2.0	0.55	ug/L			06/13/26 17:40	1
Chloroethane	ND		1.0	0.30	ug/L			06/13/26 17:40	1
Vinyl chloride	0.38	J	1.0	0.30	ug/L			06/13/26 17:40	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/13/26 17:40	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/13/26 17:40	1
Bromoform	ND	^c cn	4.0	1.0	ug/L			06/13/26 17:40	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/13/26 17:40	1
1,1-Dichloroethane	16		1.0	0.30	ug/L			06/13/26 17:40	1
1,1-Dichloroethene	5.8		1.0	0.30	ug/L			06/13/26 17:40	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/13/26 17:40	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/13/26 17:40	1
Freon 113	1.6	J ^c cn	10	0.30	ug/L			06/13/26 17:40	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/13/26 17:40	1
2-Butanone	ND	^c cn	10	1.0	ug/L			06/13/26 17:40	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/13/26 17:40	1
Trichloroethene	120		1.0	0.30	ug/L			06/13/26 17:40	1
Methyl acetate	ND		5.0	0.60	ug/L			06/13/26 17:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/13/26 17:40	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/13/26 17:40	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/13/26 17:40	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/13/26 17:40	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-43A

Lab Sample ID: 410-286356-9

Date Collected: 06/02/26 10:30

Matrix: Water

Date Received: 06/02/26 17:40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		80 - 120		06/13/26 17:40	1
1,2-Dichloroethane-d4 (Surr)	98		80 - 120		06/16/26 13:02	1
Dibromofluoromethane (Surr)	115		80 - 120		06/13/26 17:40	1
Dibromofluoromethane (Surr)	94		80 - 120		06/16/26 13:02	1
4-Bromofluorobenzene (Surr)	93		80 - 120		06/13/26 17:40	1
4-Bromofluorobenzene (Surr)	99		80 - 120		06/16/26 13:02	1
Toluene-d8 (Surr)	90		80 - 120		06/13/26 17:40	1
Toluene-d8 (Surr)	96		80 - 120		06/16/26 13:02	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	30		3.5	0.95	ng/L		06/12/26 14:11	06/13/26 15:36	1
Perfluoropentanoic acid (PFPeA)	89		1.7	0.52	ng/L		06/12/26 14:11	06/13/26 15:36	1
Perfluorohexanoic acid (PFHxA)	64		1.7	0.43	ng/L		06/12/26 14:11	06/13/26 15:36	1
Perfluoroheptanoic acid (PFHpA)	36		1.7	0.69	ng/L		06/12/26 14:11	06/13/26 15:36	1
Perfluorooctanoic acid (PFOA)	27		1.7	0.78	ng/L		06/12/26 14:11	06/13/26 15:36	1
Perfluorononanoic acid (PFNA)	6.3		1.7	0.43	ng/L		06/12/26 14:11	06/13/26 15:36	1
Perfluorodecanoic acid (PFDA)	0.65 J		1.7	0.43	ng/L		06/12/26 14:11	06/13/26 15:36	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.43	ng/L		06/12/26 14:11	06/13/26 15:36	1
Perfluorododecanoic acid (PFDoA)	ND		1.7	0.43	ng/L		06/12/26 14:11	06/13/26 15:36	1
Perfluorotridecanoic acid (PFTrDA)	ND		1.7	0.43	ng/L		06/12/26 14:11	06/13/26 15:36	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.7	0.43	ng/L		06/12/26 14:11	06/13/26 15:36	1
Perfluorobutanesulfonic acid (PFBS)	3.7		1.7	0.43	ng/L		06/12/26 14:11	06/13/26 15:36	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.7	0.43	ng/L		06/12/26 14:11	06/13/26 15:36	1
Perfluorohexanesulfonic acid (PFHxS)	2.9		1.7	0.69	ng/L		06/12/26 14:11	06/13/26 15:36	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.7	0.43	ng/L		06/12/26 14:11	06/13/26 15:36	1
Perfluorooctanesulfonic acid (PFOS)	8.4		1.7	1.1	ng/L		06/12/26 14:11	06/13/26 15:36	1
Perfluorononanesulfonic acid (PFNS)	ND		1.7	0.43	ng/L		06/12/26 14:11	06/13/26 15:36	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.43	ng/L		06/12/26 14:11	06/13/26 15:36	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.7	0.52	ng/L		06/12/26 14:11	06/13/26 15:36	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.5	0.87	ng/L		06/12/26 14:11	06/13/26 15:36	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	3.3 J		3.5	0.87	ng/L		06/12/26 14:11	06/13/26 15:36	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.5	0.87	ng/L		06/12/26 14:11	06/13/26 15:36	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.7	0.43	ng/L		06/12/26 14:11	06/13/26 15:36	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND B cn		1.7	0.43	ng/L		06/12/26 14:11	06/13/26 15:36	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND B cn		1.7	0.95	ng/L		06/12/26 14:11	06/13/26 15:36	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.7	0.43	ng/L		06/12/26 14:11	06/13/26 15:36	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.7	0.43	ng/L		06/12/26 14:11	06/13/26 15:36	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.7	3.5	ng/L		06/12/26 14:11	06/13/26 15:36	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-43A

Lab Sample ID: 410-286356-9

Date Collected: 06/02/26 10:30

Matrix: Water

Date Received: 06/02/26 17:40

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctane sulfonamidoethanol (NETFOSE)	ND	B cn	8.7	3.5	ng/L		06/12/26 14:11	06/13/26 15:36	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.7	1.2	ng/L		06/12/26 14:11	06/13/26 15:36	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.7	0.43	ng/L		06/12/26 14:11	06/13/26 15:36	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.7	0.43	ng/L		06/12/26 14:11	06/13/26 15:36	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.7	0.43	ng/L		06/12/26 14:11	06/13/26 15:36	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.7	0.43	ng/L		06/12/26 14:11	06/13/26 15:36	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.7	0.43	ng/L		06/12/26 14:11	06/13/26 15:36	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.7	0.43	ng/L		06/12/26 14:11	06/13/26 15:36	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.7	0.43	ng/L		06/12/26 14:11	06/13/26 15:36	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.5	0.87	ng/L		06/12/26 14:11	06/13/26 15:36	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		8.7	2.4	ng/L		06/12/26 14:11	06/13/26 15:36	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.7	2.2	ng/L		06/12/26 14:11	06/13/26 15:36	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	99.8		5 - 130	06/12/26 14:11	06/13/26 15:36	1
13C5 PFPeA	92.7		40 - 130	06/12/26 14:11	06/13/26 15:36	1
13C5 PFHxA	94.8		40 - 130	06/12/26 14:11	06/13/26 15:36	1
13C4 PFHpA	94.5		40 - 130	06/12/26 14:11	06/13/26 15:36	1
13C8 PFOA	97.1		40 - 130	06/12/26 14:11	06/13/26 15:36	1
13C9 PFNA	93.4		40 - 130	06/12/26 14:11	06/13/26 15:36	1
13C6 PFDA	82.1		40 - 130	06/12/26 14:11	06/13/26 15:36	1
13C7 PFUnA	82.6		30 - 130	06/12/26 14:11	06/13/26 15:36	1
13C2 PFTeDA	77.0		10 - 130	06/12/26 14:11	06/13/26 15:36	1
13C3 PFBS	96.9		40 - 135	06/12/26 14:11	06/13/26 15:36	1
13C3 PFHxS	93.7		40 - 130	06/12/26 14:11	06/13/26 15:36	1
13C8 PFOS	93.0		40 - 130	06/12/26 14:11	06/13/26 15:36	1
13C8 FOSA	98.9		40 - 130	06/12/26 14:11	06/13/26 15:36	1
d3-NMeFOSAA	91.2		40 - 170	06/12/26 14:11	06/13/26 15:36	1
d5-NEtFOSAA	92.6		25 - 135	06/12/26 14:11	06/13/26 15:36	1
13C2 4:2 FTS	106		40 - 200	06/12/26 14:11	06/13/26 15:36	1
13C2 6:2 FTS	95.4		40 - 200	06/12/26 14:11	06/13/26 15:36	1
13C2 8:2 FTS	96.0		40 - 300	06/12/26 14:11	06/13/26 15:36	1
13C3 HFPO-DA	93.0		40 - 130	06/12/26 14:11	06/13/26 15:36	1
d7-N-MeFOSE-M	80.7		10 - 130	06/12/26 14:11	06/13/26 15:36	1
d9-N-EtFOSE-M	71.1		10 - 130	06/12/26 14:11	06/13/26 15:36	1
d5-NEtPFOSA	75.5		10 - 130	06/12/26 14:11	06/13/26 15:36	1
d3-NMePFOSA	80.1		10 - 130	06/12/26 14:11	06/13/26 15:36	1
13C2 PFDoA	82.6		10 - 130	06/12/26 14:11	06/13/26 15:36	1
13C3-3:3 FTCA	99.2		20 - 150	06/12/26 14:11	06/13/26 15:36	1
13C3-5:3 FTCA	95.0		20 - 150	06/12/26 14:11	06/13/26 15:36	1
13C3-PFDoS	90.4		20 - 150	06/12/26 14:11	06/13/26 15:36	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-43B

Lab Sample ID: 410-286356-10

Date Collected: 06/02/26 10:45

Matrix: Water

Date Received: 06/02/26 17:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/13/26 18:00	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/13/26 18:00	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/13/26 18:00	1
Styrene	ND		5.0	0.30	ug/L			06/13/26 18:00	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/13/26 18:00	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/13/26 18:00	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/13/26 18:00	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/13/26 18:00	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/13/26 18:00	1
Toluene	ND		1.0	0.30	ug/L			06/13/26 18:00	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/13/26 18:00	1
Cyclohexane	ND		5.0	1.0	ug/L			06/13/26 18:00	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/13/26 18:00	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/13/26 18:00	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/13/26 18:00	1
Tetrachloroethene	0.86	J ^c cn	1.0	0.30	ug/L			06/13/26 18:00	1
cis-1,2-Dichloroethene	12		1.0	0.30	ug/L			06/13/26 18:00	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/13/26 18:00	1
Methyl tertiary butyl ether	1.5		1.0	0.20	ug/L			06/13/26 18:00	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/13/26 18:00	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			06/13/26 18:00	1
2-Hexanone	ND	^c cn	10	0.85	ug/L			06/13/26 18:00	1
Acetone	ND		20	0.70	ug/L			06/13/26 18:00	1
Chloroform	ND		1.0	0.30	ug/L			06/13/26 18:00	1
Benzene	ND		1.0	0.30	ug/L			06/13/26 18:00	1
1,1,1-Trichloroethane	3.9		1.0	0.30	ug/L			06/16/26 13:22	1
Bromomethane	ND		1.0	0.30	ug/L			06/13/26 18:00	1
Chloromethane	ND	^c cn	2.0	0.55	ug/L			06/13/26 18:00	1
Chloroethane	ND		1.0	0.30	ug/L			06/13/26 18:00	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/13/26 18:00	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/13/26 18:00	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/13/26 18:00	1
Bromoform	ND	^c cn	4.0	1.0	ug/L			06/13/26 18:00	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/13/26 18:00	1
1,1-Dichloroethane	15		1.0	0.30	ug/L			06/13/26 18:00	1
1,1-Dichloroethene	4.8		1.0	0.30	ug/L			06/13/26 18:00	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/13/26 18:00	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/13/26 18:00	1
Freon 113	ND	^c cn	10	0.30	ug/L			06/13/26 18:00	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/13/26 18:00	1
2-Butanone	ND	^c cn	10	1.0	ug/L			06/13/26 18:00	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/13/26 18:00	1
Trichloroethene	120		1.0	0.30	ug/L			06/13/26 18:00	1
Methyl acetate	ND		5.0	0.60	ug/L			06/13/26 18:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/13/26 18:00	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/13/26 18:00	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/13/26 18:00	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/13/26 18:00	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-43B

Lab Sample ID: 410-286356-10

Date Collected: 06/02/26 10:45

Matrix: Water

Date Received: 06/02/26 17:40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		80 - 120		06/13/26 18:00	1
1,2-Dichloroethane-d4 (Surr)	97		80 - 120		06/16/26 13:22	1
Dibromofluoromethane (Surr)	115		80 - 120		06/13/26 18:00	1
Dibromofluoromethane (Surr)	93		80 - 120		06/16/26 13:22	1
4-Bromofluorobenzene (Surr)	93		80 - 120		06/13/26 18:00	1
4-Bromofluorobenzene (Surr)	98		80 - 120		06/16/26 13:22	1
Toluene-d8 (Surr)	92		80 - 120		06/13/26 18:00	1
Toluene-d8 (Surr)	98		80 - 120		06/16/26 13:22	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	35		3.4	0.92	ng/L		06/12/26 14:11	06/13/26 15:50	1
Perfluoropentanoic acid (PFPeA)	130		1.7	0.50	ng/L		06/12/26 14:11	06/13/26 15:50	1
Perfluorohexanoic acid (PFHxA)	75		1.7	0.42	ng/L		06/12/26 14:11	06/13/26 15:50	1
Perfluoroheptanoic acid (PFHpA)	35		1.7	0.67	ng/L		06/12/26 14:11	06/13/26 15:50	1
Perfluorooctanoic acid (PFOA)	32		1.7	0.76	ng/L		06/12/26 14:11	06/13/26 15:50	1
Perfluorononanoic acid (PFNA)	7.2		1.7	0.42	ng/L		06/12/26 14:11	06/13/26 15:50	1
Perfluorodecanoic acid (PFDA)	0.61 J		1.7	0.42	ng/L		06/12/26 14:11	06/13/26 15:50	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.42	ng/L		06/12/26 14:11	06/13/26 15:50	1
Perfluorododecanoic acid (PFDoA)	ND		1.7	0.42	ng/L		06/12/26 14:11	06/13/26 15:50	1
Perfluorotridecanoic acid (PFTrDA)	ND		1.7	0.42	ng/L		06/12/26 14:11	06/13/26 15:50	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.7	0.42	ng/L		06/12/26 14:11	06/13/26 15:50	1
Perfluorobutanesulfonic acid (PFBS)	3.4		1.7	0.42	ng/L		06/12/26 14:11	06/13/26 15:50	1
Perfluoropentanesulfonic acid (PFPeS)	0.48 J		1.7	0.42	ng/L		06/12/26 14:11	06/13/26 15:50	1
Perfluorohexanesulfonic acid (PFHxS)	3.7		1.7	0.67	ng/L		06/12/26 14:11	06/13/26 15:50	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.7	0.42	ng/L		06/12/26 14:11	06/13/26 15:50	1
Perfluorooctanesulfonic acid (PFOS)	7.3		1.7	1.1	ng/L		06/12/26 14:11	06/13/26 15:50	1
Perfluorononanesulfonic acid (PFNS)	ND		1.7	0.42	ng/L		06/12/26 14:11	06/13/26 15:50	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.42	ng/L		06/12/26 14:11	06/13/26 15:50	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.7	0.50	ng/L		06/12/26 14:11	06/13/26 15:50	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	1.3 J		3.4	0.84	ng/L		06/12/26 14:11	06/13/26 15:50	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	5.5		3.4	0.84	ng/L		06/12/26 14:11	06/13/26 15:50	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.4	0.84	ng/L		06/12/26 14:11	06/13/26 15:50	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.7	0.42	ng/L		06/12/26 14:11	06/13/26 15:50	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND B cn		1.7	0.42	ng/L		06/12/26 14:11	06/13/26 15:50	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND B cn		1.7	0.92	ng/L		06/12/26 14:11	06/13/26 15:50	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.7	0.42	ng/L		06/12/26 14:11	06/13/26 15:50	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.7	0.42	ng/L		06/12/26 14:11	06/13/26 15:50	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.4	3.4	ng/L		06/12/26 14:11	06/13/26 15:50	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-43B

Lab Sample ID: 410-286356-10

Date Collected: 06/02/26 10:45

Matrix: Water

Date Received: 06/02/26 17:40

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctane sulfonamidoethanol (NETFOSE)	ND	B cn	8.4	3.4	ng/L		06/12/26 14:11	06/13/26 15:50	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.7	1.2	ng/L		06/12/26 14:11	06/13/26 15:50	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.7	0.42	ng/L		06/12/26 14:11	06/13/26 15:50	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.7	0.42	ng/L		06/12/26 14:11	06/13/26 15:50	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.7	0.42	ng/L		06/12/26 14:11	06/13/26 15:50	1
Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	ND		1.7	0.42	ng/L		06/12/26 14:11	06/13/26 15:50	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.7	0.42	ng/L		06/12/26 14:11	06/13/26 15:50	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.7	0.42	ng/L		06/12/26 14:11	06/13/26 15:50	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.7	0.42	ng/L		06/12/26 14:11	06/13/26 15:50	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.4	0.84	ng/L		06/12/26 14:11	06/13/26 15:50	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		8.4	2.4	ng/L		06/12/26 14:11	06/13/26 15:50	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.4	2.1	ng/L		06/12/26 14:11	06/13/26 15:50	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	96.4		5 - 130	06/12/26 14:11	06/13/26 15:50	1
13C5 PFPeA	91.1		40 - 130	06/12/26 14:11	06/13/26 15:50	1
13C5 PFHxA	90.5		40 - 130	06/12/26 14:11	06/13/26 15:50	1
13C4 PFHpA	90.7		40 - 130	06/12/26 14:11	06/13/26 15:50	1
13C8 PFOA	93.8		40 - 130	06/12/26 14:11	06/13/26 15:50	1
13C9 PFNA	91.7		40 - 130	06/12/26 14:11	06/13/26 15:50	1
13C6 PFDA	81.4		40 - 130	06/12/26 14:11	06/13/26 15:50	1
13C7 PFUnA	80.0		30 - 130	06/12/26 14:11	06/13/26 15:50	1
13C2 PFTeDA	60.6		10 - 130	06/12/26 14:11	06/13/26 15:50	1
13C3 PFBS	98.9		40 - 135	06/12/26 14:11	06/13/26 15:50	1
13C3 PFHxS	99.1		40 - 130	06/12/26 14:11	06/13/26 15:50	1
13C8 PFOS	95.5		40 - 130	06/12/26 14:11	06/13/26 15:50	1
13C8 FOSA	97.4		40 - 130	06/12/26 14:11	06/13/26 15:50	1
d3-NMeFOSAA	89.6		40 - 170	06/12/26 14:11	06/13/26 15:50	1
d5-NEtFOSAA	89.9		25 - 135	06/12/26 14:11	06/13/26 15:50	1
13C2 4:2 FTS	128		40 - 200	06/12/26 14:11	06/13/26 15:50	1
13C2 6:2 FTS	106		40 - 200	06/12/26 14:11	06/13/26 15:50	1
13C2 8:2 FTS	100		40 - 300	06/12/26 14:11	06/13/26 15:50	1
13C3 HFPO-DA	90.0		40 - 130	06/12/26 14:11	06/13/26 15:50	1
d7-N-MeFOSE-M	55.5		10 - 130	06/12/26 14:11	06/13/26 15:50	1
d9-N-EtFOSE-M	48.1		10 - 130	06/12/26 14:11	06/13/26 15:50	1
d5-NEtPFOSA	72.0		10 - 130	06/12/26 14:11	06/13/26 15:50	1
d3-NMePFOSA	79.4		10 - 130	06/12/26 14:11	06/13/26 15:50	1
13C2 PFDoA	75.2		10 - 130	06/12/26 14:11	06/13/26 15:50	1
13C3-3:3 FTCA	96.5		20 - 150	06/12/26 14:11	06/13/26 15:50	1
13C3-5:3 FTCA	94.5		20 - 150	06/12/26 14:11	06/13/26 15:50	1
13C3-PFDoS	72.0		20 - 150	06/12/26 14:11	06/13/26 15:50	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-43C

Lab Sample ID: 410-286356-11

Date Collected: 06/02/26 11:00

Matrix: Water

Date Received: 06/02/26 17:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/13/26 18:20	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/13/26 18:20	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/13/26 18:20	1
Styrene	ND		5.0	0.30	ug/L			06/13/26 18:20	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/13/26 18:20	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/13/26 18:20	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/13/26 18:20	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/13/26 18:20	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/13/26 18:20	1
Toluene	ND		1.0	0.30	ug/L			06/13/26 18:20	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/13/26 18:20	1
Cyclohexane	ND		5.0	1.0	ug/L			06/13/26 18:20	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/13/26 18:20	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/13/26 18:20	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/13/26 18:20	1
Tetrachloroethene	ND	^c cn	1.0	0.30	ug/L			06/13/26 18:20	1
cis-1,2-Dichloroethene	9.3		1.0	0.30	ug/L			06/13/26 18:20	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/13/26 18:20	1
Methyl tertiary butyl ether	0.38	J	1.0	0.20	ug/L			06/13/26 18:20	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/13/26 18:20	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			06/13/26 18:20	1
2-Hexanone	ND	^c cn	10	0.85	ug/L			06/13/26 18:20	1
Acetone	ND		20	0.70	ug/L			06/13/26 18:20	1
Chloroform	ND		1.0	0.30	ug/L			06/13/26 18:20	1
Benzene	ND		1.0	0.30	ug/L			06/13/26 18:20	1
1,1,1-Trichloroethane	2.0		1.0	0.30	ug/L			06/16/26 13:42	1
Bromomethane	ND		1.0	0.30	ug/L			06/13/26 18:20	1
Chloromethane	ND	^c cn	2.0	0.55	ug/L			06/13/26 18:20	1
Chloroethane	ND		1.0	0.30	ug/L			06/13/26 18:20	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/13/26 18:20	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/13/26 18:20	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/13/26 18:20	1
Bromoform	ND	^c cn	4.0	1.0	ug/L			06/13/26 18:20	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/13/26 18:20	1
1,1-Dichloroethane	12		1.0	0.30	ug/L			06/13/26 18:20	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/13/26 18:20	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/13/26 18:20	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/13/26 18:20	1
Freon 113	ND	^c cn	10	0.30	ug/L			06/13/26 18:20	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/13/26 18:20	1
2-Butanone	ND	^c cn	10	1.0	ug/L			06/13/26 18:20	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/13/26 18:20	1
Trichloroethene	14		1.0	0.30	ug/L			06/13/26 18:20	1
Methyl acetate	ND		5.0	0.60	ug/L			06/13/26 18:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/13/26 18:20	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/13/26 18:20	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/13/26 18:20	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/13/26 18:20	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-43C

Lab Sample ID: 410-286356-11

Date Collected: 06/02/26 11:00

Matrix: Water

Date Received: 06/02/26 17:40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		06/13/26 18:20	1
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		06/16/26 13:42	1
Dibromofluoromethane (Surr)	115		80 - 120		06/13/26 18:20	1
Dibromofluoromethane (Surr)	96		80 - 120		06/16/26 13:42	1
4-Bromofluorobenzene (Surr)	93		80 - 120		06/13/26 18:20	1
4-Bromofluorobenzene (Surr)	97		80 - 120		06/16/26 13:42	1
Toluene-d8 (Surr)	90		80 - 120		06/13/26 18:20	1
Toluene-d8 (Surr)	95		80 - 120		06/16/26 13:42	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	29		3.5	0.97	ng/L		06/12/26 14:11	06/13/26 16:03	1
Perfluoropentanoic acid (PFPeA)	94		1.8	0.53	ng/L		06/12/26 14:11	06/13/26 16:03	1
Perfluorohexanoic acid (PFHxA)	59		1.8	0.44	ng/L		06/12/26 14:11	06/13/26 16:03	1
Perfluoroheptanoic acid (PFHpA)	33		1.8	0.70	ng/L		06/12/26 14:11	06/13/26 16:03	1
Perfluorooctanoic acid (PFOA)	31		1.8	0.79	ng/L		06/12/26 14:11	06/13/26 16:03	1
Perfluorononanoic acid (PFNA)	8.3		1.8	0.44	ng/L		06/12/26 14:11	06/13/26 16:03	1
Perfluorodecanoic acid (PFDA)	1.1 J		1.8	0.44	ng/L		06/12/26 14:11	06/13/26 16:03	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.44	ng/L		06/12/26 14:11	06/13/26 16:03	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.44	ng/L		06/12/26 14:11	06/13/26 16:03	1
Perfluorotridecanoic acid (PFTrDA)	ND		1.8	0.44	ng/L		06/12/26 14:11	06/13/26 16:03	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.8	0.44	ng/L		06/12/26 14:11	06/13/26 16:03	1
Perfluorobutanesulfonic acid (PFBS)	3.1		1.8	0.44	ng/L		06/12/26 14:11	06/13/26 16:03	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.8	0.44	ng/L		06/12/26 14:11	06/13/26 16:03	1
Perfluorohexanesulfonic acid (PFHxS)	2.4		1.8	0.70	ng/L		06/12/26 14:11	06/13/26 16:03	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.8	0.44	ng/L		06/12/26 14:11	06/13/26 16:03	1
Perfluorooctanesulfonic acid (PFOS)	9.4		1.8	1.1	ng/L		06/12/26 14:11	06/13/26 16:03	1
Perfluorononanesulfonic acid (PFNS)	ND		1.8	0.44	ng/L		06/12/26 14:11	06/13/26 16:03	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.44	ng/L		06/12/26 14:11	06/13/26 16:03	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.53	ng/L		06/12/26 14:11	06/13/26 16:03	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.5	0.88	ng/L		06/12/26 14:11	06/13/26 16:03	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		3.5	0.88	ng/L		06/12/26 14:11	06/13/26 16:03	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.5	0.88	ng/L		06/12/26 14:11	06/13/26 16:03	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.44	ng/L		06/12/26 14:11	06/13/26 16:03	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND B cn		1.8	0.44	ng/L		06/12/26 14:11	06/13/26 16:03	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND B cn		1.8	0.97	ng/L		06/12/26 14:11	06/13/26 16:03	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.8	0.44	ng/L		06/12/26 14:11	06/13/26 16:03	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.8	0.44	ng/L		06/12/26 14:11	06/13/26 16:03	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.8	3.5	ng/L		06/12/26 14:11	06/13/26 16:03	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-43C

Lab Sample ID: 410-286356-11

Date Collected: 06/02/26 11:00

Matrix: Water

Date Received: 06/02/26 17:40

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctane sulfonamidoethanol (NETFOSE)	ND	B cn	8.8	3.5	ng/L		06/12/26 14:11	06/13/26 16:03	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.8	1.2	ng/L		06/12/26 14:11	06/13/26 16:03	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.8	0.44	ng/L		06/12/26 14:11	06/13/26 16:03	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.8	0.44	ng/L		06/12/26 14:11	06/13/26 16:03	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.8	0.44	ng/L		06/12/26 14:11	06/13/26 16:03	1
Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	ND		1.8	0.44	ng/L		06/12/26 14:11	06/13/26 16:03	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.8	0.44	ng/L		06/12/26 14:11	06/13/26 16:03	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.8	0.44	ng/L		06/12/26 14:11	06/13/26 16:03	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.8	0.44	ng/L		06/12/26 14:11	06/13/26 16:03	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.5	0.88	ng/L		06/12/26 14:11	06/13/26 16:03	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		8.8	2.5	ng/L		06/12/26 14:11	06/13/26 16:03	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.8	2.2	ng/L		06/12/26 14:11	06/13/26 16:03	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	96.4		5 - 130	06/12/26 14:11	06/13/26 16:03	1
13C5 PFPeA	92.5		40 - 130	06/12/26 14:11	06/13/26 16:03	1
13C5 PFHxA	92.4		40 - 130	06/12/26 14:11	06/13/26 16:03	1
13C4 PFHpA	95.1		40 - 130	06/12/26 14:11	06/13/26 16:03	1
13C8 PFOA	100		40 - 130	06/12/26 14:11	06/13/26 16:03	1
13C9 PFNA	91.8		40 - 130	06/12/26 14:11	06/13/26 16:03	1
13C6 PFDA	80.5		40 - 130	06/12/26 14:11	06/13/26 16:03	1
13C7 PFUnA	82.7		30 - 130	06/12/26 14:11	06/13/26 16:03	1
13C2 PFTeDA	71.4		10 - 130	06/12/26 14:11	06/13/26 16:03	1
13C3 PFBS	98.3		40 - 135	06/12/26 14:11	06/13/26 16:03	1
13C3 PFHxS	97.7		40 - 130	06/12/26 14:11	06/13/26 16:03	1
13C8 PFOS	91.0		40 - 130	06/12/26 14:11	06/13/26 16:03	1
13C8 FOSA	89.6		40 - 130	06/12/26 14:11	06/13/26 16:03	1
d3-NMeFOSAA	86.7		40 - 170	06/12/26 14:11	06/13/26 16:03	1
d5-NEtFOSAA	89.5		25 - 135	06/12/26 14:11	06/13/26 16:03	1
13C2 4:2 FTS	124		40 - 200	06/12/26 14:11	06/13/26 16:03	1
13C2 6:2 FTS	105		40 - 200	06/12/26 14:11	06/13/26 16:03	1
13C2 8:2 FTS	101		40 - 300	06/12/26 14:11	06/13/26 16:03	1
13C3 HFPO-DA	91.7		40 - 130	06/12/26 14:11	06/13/26 16:03	1
d7-N-MeFOSE-M	64.9		10 - 130	06/12/26 14:11	06/13/26 16:03	1
d9-N-EtFOSE-M	54.4		10 - 130	06/12/26 14:11	06/13/26 16:03	1
d5-NEtPFOSA	74.0		10 - 130	06/12/26 14:11	06/13/26 16:03	1
d3-NMePFOSA	77.8		10 - 130	06/12/26 14:11	06/13/26 16:03	1
13C2 PFDoA	82.3		10 - 130	06/12/26 14:11	06/13/26 16:03	1
13C3-3:3 FTCA	99.3		20 - 150	06/12/26 14:11	06/13/26 16:03	1
13C3-5:3 FTCA	92.8		20 - 150	06/12/26 14:11	06/13/26 16:03	1
13C3-PFDoS	79.7		20 - 150	06/12/26 14:11	06/13/26 16:03	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-44C

Lab Sample ID: 410-286356-12

Date Collected: 06/02/26 11:15

Matrix: Water

Date Received: 06/02/26 17:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/13/26 18:40	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/13/26 18:40	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/13/26 18:40	1
Styrene	ND		5.0	0.30	ug/L			06/13/26 18:40	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/13/26 18:40	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/13/26 18:40	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/13/26 18:40	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/13/26 18:40	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/13/26 18:40	1
Toluene	ND		1.0	0.30	ug/L			06/13/26 18:40	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/13/26 18:40	1
Cyclohexane	ND		5.0	1.0	ug/L			06/13/26 18:40	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/13/26 18:40	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/13/26 18:40	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/13/26 18:40	1
Tetrachloroethene	4.4	^c cn	1.0	0.30	ug/L			06/13/26 18:40	1
cis-1,2-Dichloroethene	300		1.0	0.30	ug/L			06/16/26 14:01	1
trans-1,2-Dichloroethene	4.2		2.0	0.70	ug/L			06/13/26 18:40	1
Methyl tertiary butyl ether	0.99	J	1.0	0.20	ug/L			06/13/26 18:40	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/13/26 18:40	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			06/13/26 18:40	1
2-Hexanone	ND	^c cn	10	0.85	ug/L			06/13/26 18:40	1
Acetone	ND		20	0.70	ug/L			06/13/26 18:40	1
Chloroform	ND		1.0	0.30	ug/L			06/13/26 18:40	1
Benzene	ND		1.0	0.30	ug/L			06/13/26 18:40	1
1,1,1-Trichloroethane	73		1.0	0.30	ug/L			06/16/26 14:01	1
Bromomethane	ND		1.0	0.30	ug/L			06/13/26 18:40	1
Chloromethane	ND	^c cn	2.0	0.55	ug/L			06/13/26 18:40	1
Chloroethane	ND		1.0	0.30	ug/L			06/13/26 18:40	1
Vinyl chloride	140		1.0	0.30	ug/L			06/13/26 18:40	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/13/26 18:40	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/13/26 18:40	1
Bromoform	ND	^c cn	4.0	1.0	ug/L			06/13/26 18:40	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/13/26 18:40	1
1,1-Dichloroethane	55		1.0	0.30	ug/L			06/13/26 18:40	1
1,1-Dichloroethene	42		1.0	0.30	ug/L			06/13/26 18:40	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/13/26 18:40	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/13/26 18:40	1
Freon 113	11	^c cn	10	0.30	ug/L			06/13/26 18:40	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/13/26 18:40	1
2-Butanone	ND	^c cn	10	1.0	ug/L			06/13/26 18:40	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/13/26 18:40	1
Methyl acetate	ND		5.0	0.60	ug/L			06/13/26 18:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/13/26 18:40	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/13/26 18:40	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/13/26 18:40	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/13/26 18:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		06/13/26 18:40	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-44C

Lab Sample ID: 410-286356-12

Date Collected: 06/02/26 11:15

Matrix: Water

Date Received: 06/02/26 17:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120		06/16/26 14:01	1
Dibromofluoromethane (Surr)	113		80 - 120		06/13/26 18:40	1
Dibromofluoromethane (Surr)	94		80 - 120		06/16/26 14:01	1
4-Bromofluorobenzene (Surr)	91		80 - 120		06/13/26 18:40	1
4-Bromofluorobenzene (Surr)	98		80 - 120		06/16/26 14:01	1
Toluene-d8 (Surr)	91		80 - 120		06/13/26 18:40	1
Toluene-d8 (Surr)	97		80 - 120		06/16/26 14:01	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	260	cn	10	3.0	ug/L			06/16/26 18:37	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102	cn	80 - 120		06/16/26 18:37	10
Dibromofluoromethane (Surr)	98	cn	80 - 120		06/16/26 18:37	10
4-Bromofluorobenzene (Surr)	96	cn	80 - 120		06/16/26 18:37	10
Toluene-d8 (Surr)	94	cn	80 - 120		06/16/26 18:37	10

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	34		3.3	0.89	ng/L		06/12/26 14:11	06/13/26 16:17	1
Perfluoropentanoic acid (PFPeA)	69		1.6	0.49	ng/L		06/12/26 14:11	06/13/26 16:17	1
Perfluorohexanoic acid (PFHxA)	43		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 16:17	1
Perfluoroheptanoic acid (PFHpA)	30		1.6	0.65	ng/L		06/12/26 14:11	06/13/26 16:17	1
Perfluorooctanoic acid (PFOA)	33		1.6	0.73	ng/L		06/12/26 14:11	06/13/26 16:17	1
Perfluorononanoic acid (PFNA)	9.4		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 16:17	1
Perfluorodecanoic acid (PFDA)	0.49	J	1.6	0.41	ng/L		06/12/26 14:11	06/13/26 16:17	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 16:17	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 16:17	1
Perfluorotridecanoic acid (PFTriDA)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 16:17	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 16:17	1
Perfluorobutanesulfonic acid (PFBS)	2.5		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 16:17	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 16:17	1
Perfluorohexanesulfonic acid (PFHxS)	2.3		1.6	0.65	ng/L		06/12/26 14:11	06/13/26 16:17	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 16:17	1
Perfluorooctanesulfonic acid (PFOS)	7.9		1.6	1.1	ng/L		06/12/26 14:11	06/13/26 16:17	1
Perfluorononanesulfonic acid (PFNS)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 16:17	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 16:17	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.6	0.49	ng/L		06/12/26 14:11	06/13/26 16:17	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.3	0.81	ng/L		06/12/26 14:11	06/13/26 16:17	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	30		3.3	0.81	ng/L		06/12/26 14:11	06/13/26 16:17	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	1.6	J	3.3	0.81	ng/L		06/12/26 14:11	06/13/26 16:17	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 16:17	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-44C

Lab Sample ID: 410-286356-12

Date Collected: 06/02/26 11:15

Matrix: Water

Date Received: 06/02/26 17:40

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND	B cn	1.6	0.41	ng/L		06/12/26 14:11	06/13/26 16:17	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND	B cn	1.6	0.89	ng/L		06/12/26 14:11	06/13/26 16:17	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 16:17	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 16:17	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.1	3.3	ng/L		06/12/26 14:11	06/13/26 16:17	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND	B cn	8.1	3.3	ng/L		06/12/26 14:11	06/13/26 16:17	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.6	1.1	ng/L		06/12/26 14:11	06/13/26 16:17	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 16:17	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 16:17	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 16:17	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 16:17	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 16:17	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 16:17	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 16:17	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.3	0.81	ng/L		06/12/26 14:11	06/13/26 16:17	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		8.1	2.3	ng/L		06/12/26 14:11	06/13/26 16:17	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.1	2.0	ng/L		06/12/26 14:11	06/13/26 16:17	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	90.5		5 - 130	06/12/26 14:11	06/13/26 16:17	1
13C5 PFPeA	91.1		40 - 130	06/12/26 14:11	06/13/26 16:17	1
13C5 PFHxA	91.1		40 - 130	06/12/26 14:11	06/13/26 16:17	1
13C4 PFHpA	89.7		40 - 130	06/12/26 14:11	06/13/26 16:17	1
13C8 PFOA	89.5		40 - 130	06/12/26 14:11	06/13/26 16:17	1
13C9 PFNA	90.6		40 - 130	06/12/26 14:11	06/13/26 16:17	1
13C6 PFDA	81.5		40 - 130	06/12/26 14:11	06/13/26 16:17	1
13C7 PFUnA	80.7		30 - 130	06/12/26 14:11	06/13/26 16:17	1
13C2 PFTeDA	67.8		10 - 130	06/12/26 14:11	06/13/26 16:17	1
13C3 PFBS	96.1		40 - 135	06/12/26 14:11	06/13/26 16:17	1
13C3 PFHxS	92.0		40 - 130	06/12/26 14:11	06/13/26 16:17	1
13C8 PFOS	92.3		40 - 130	06/12/26 14:11	06/13/26 16:17	1
13C8 FOSA	85.3		40 - 130	06/12/26 14:11	06/13/26 16:17	1
d3-NMeFOSAA	81.8		40 - 170	06/12/26 14:11	06/13/26 16:17	1
d5-NEtFOSAA	87.9		25 - 135	06/12/26 14:11	06/13/26 16:17	1
13C2 4:2 FTS	139		40 - 200	06/12/26 14:11	06/13/26 16:17	1
13C2 6:2 FTS	111		40 - 200	06/12/26 14:11	06/13/26 16:17	1
13C2 8:2 FTS	96.9		40 - 300	06/12/26 14:11	06/13/26 16:17	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-44C

Lab Sample ID: 410-286356-12

Date Collected: 06/02/26 11:15

Matrix: Water

Date Received: 06/02/26 17:40

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	91.4		40 - 130	06/12/26 14:11	06/13/26 16:17	1
d7-N-MeFOSE-M	53.5		10 - 130	06/12/26 14:11	06/13/26 16:17	1
d9-N-EtFOSE-M	45.3		10 - 130	06/12/26 14:11	06/13/26 16:17	1
d5-NEtPFOSA	74.0		10 - 130	06/12/26 14:11	06/13/26 16:17	1
d3-NMePFOSA	73.8		10 - 130	06/12/26 14:11	06/13/26 16:17	1
13C2 PFDoA	78.6		10 - 130	06/12/26 14:11	06/13/26 16:17	1
13C3-3:3 FTCA	101		20 - 150	06/12/26 14:11	06/13/26 16:17	1
13C3-5:3 FTCA	90.9		20 - 150	06/12/26 14:11	06/13/26 16:17	1
13C3-PFDoS	74.8		20 - 150	06/12/26 14:11	06/13/26 16:17	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-65

Lab Sample ID: 410-286356-13

Date Collected: 06/02/26 12:30

Matrix: Water

Date Received: 06/02/26 17:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/13/26 19:00	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/13/26 19:00	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/13/26 19:00	1
Styrene	ND		5.0	0.30	ug/L			06/13/26 19:00	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/13/26 19:00	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/13/26 19:00	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/13/26 19:00	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/13/26 19:00	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/13/26 19:00	1
Toluene	ND		1.0	0.30	ug/L			06/13/26 19:00	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/13/26 19:00	1
Cyclohexane	ND		5.0	1.0	ug/L			06/13/26 19:00	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/13/26 19:00	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/13/26 19:00	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/13/26 19:00	1
Tetrachloroethene	ND	^c cn	1.0	0.30	ug/L			06/13/26 19:00	1
cis-1,2-Dichloroethene	5.5		1.0	0.30	ug/L			06/16/26 14:21	1
trans-1,2-Dichloroethene	0.87	J	2.0	0.70	ug/L			06/13/26 19:00	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/13/26 19:00	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/13/26 19:00	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			06/13/26 19:00	1
2-Hexanone	ND	^c cn	10	0.85	ug/L			06/13/26 19:00	1
Acetone	ND		20	0.70	ug/L			06/13/26 19:00	1
Chloroform	ND		1.0	0.30	ug/L			06/13/26 19:00	1
Benzene	ND		1.0	0.30	ug/L			06/13/26 19:00	1
1,1,1-Trichloroethane	1.5		1.0	0.30	ug/L			06/16/26 14:21	1
Bromomethane	ND		1.0	0.30	ug/L			06/13/26 19:00	1
Chloromethane	ND	^c cn	2.0	0.55	ug/L			06/13/26 19:00	1
Chloroethane	ND		1.0	0.30	ug/L			06/13/26 19:00	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/13/26 19:00	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/13/26 19:00	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/13/26 19:00	1
Bromoform	ND	^c cn	4.0	1.0	ug/L			06/13/26 19:00	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/13/26 19:00	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/13/26 19:00	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/13/26 19:00	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/13/26 19:00	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/13/26 19:00	1
Freon 113	ND	^c cn	10	0.30	ug/L			06/13/26 19:00	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/13/26 19:00	1
2-Butanone	ND	^c cn	10	1.0	ug/L			06/13/26 19:00	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/13/26 19:00	1
Trichloroethene	2.9		1.0	0.30	ug/L			06/16/26 14:21	1
Methyl acetate	ND		5.0	0.60	ug/L			06/13/26 19:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/13/26 19:00	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/13/26 19:00	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/13/26 19:00	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/13/26 19:00	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-65

Lab Sample ID: 410-286356-13

Date Collected: 06/02/26 12:30

Matrix: Water

Date Received: 06/02/26 17:40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		80 - 120		06/13/26 19:00	1
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		06/16/26 14:21	1
Dibromofluoromethane (Surr)	116		80 - 120		06/13/26 19:00	1
Dibromofluoromethane (Surr)	96		80 - 120		06/16/26 14:21	1
4-Bromofluorobenzene (Surr)	93		80 - 120		06/13/26 19:00	1
4-Bromofluorobenzene (Surr)	97		80 - 120		06/16/26 14:21	1
Toluene-d8 (Surr)	91		80 - 120		06/13/26 19:00	1
Toluene-d8 (Surr)	95		80 - 120		06/16/26 14:21	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.15		0.010	0.0050	mg/L			06/03/26 10:54	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	8.4		2.0	1.0	mg/L			06/13/26 05:07	10

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	49		3.9	1.1	ng/L		06/12/26 14:11	06/13/26 16:30	1
Perfluoropentanoic acid (PFPeA)	180		1.9	0.58	ng/L		06/12/26 14:11	06/13/26 16:30	1
Perfluorohexanoic acid (PFHxA)	120		1.9	0.48	ng/L		06/12/26 14:11	06/13/26 16:30	1
Perfluoroheptanoic acid (PFHpA)	84		1.9	0.77	ng/L		06/12/26 14:11	06/13/26 16:30	1
Perfluorooctanoic acid (PFOA)	94		1.9	0.87	ng/L		06/12/26 14:11	06/13/26 16:30	1
Perfluorononanoic acid (PFNA)	23		1.9	0.48	ng/L		06/12/26 14:11	06/13/26 16:30	1
Perfluorodecanoic acid (PFDA)	0.68	J	1.9	0.48	ng/L		06/12/26 14:11	06/13/26 16:30	1
Perfluoroundecanoic acid (PFUnA)	ND		1.9	0.48	ng/L		06/12/26 14:11	06/13/26 16:30	1
Perfluorododecanoic acid (PFDoA)	ND		1.9	0.48	ng/L		06/12/26 14:11	06/13/26 16:30	1
Perfluorotridecanoic acid (PFTriDA)	ND		1.9	0.48	ng/L		06/12/26 14:11	06/13/26 16:30	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.9	0.48	ng/L		06/12/26 14:11	06/13/26 16:30	1
Perfluorobutanesulfonic acid (PFBS)	0.57	J	1.9	0.48	ng/L		06/12/26 14:11	06/13/26 16:30	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.9	0.48	ng/L		06/12/26 14:11	06/13/26 16:30	1
Perfluorohexanesulfonic acid (PFHxS)	0.89	J	1.9	0.77	ng/L		06/12/26 14:11	06/13/26 16:30	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.9	0.48	ng/L		06/12/26 14:11	06/13/26 16:30	1
Perfluorooctanesulfonic acid (PFOS)	2.4		1.9	1.3	ng/L		06/12/26 14:11	06/13/26 16:30	1
Perfluorononanesulfonic acid (PFNS)	ND		1.9	0.48	ng/L		06/12/26 14:11	06/13/26 16:30	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.9	0.48	ng/L		06/12/26 14:11	06/13/26 16:30	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.9	0.58	ng/L		06/12/26 14:11	06/13/26 16:30	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.9	0.96	ng/L		06/12/26 14:11	06/13/26 16:30	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	480		3.9	0.96	ng/L		06/12/26 14:11	06/13/26 16:30	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	40		3.9	0.96	ng/L		06/12/26 14:11	06/13/26 16:30	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.9	0.48	ng/L		06/12/26 14:11	06/13/26 16:30	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND	B cn	1.9	0.48	ng/L		06/12/26 14:11	06/13/26 16:30	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-65

Lab Sample ID: 410-286356-13

Date Collected: 06/02/26 12:30

Matrix: Water

Date Received: 06/02/26 17:40

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND	B cn	1.9	1.1	ng/L		06/12/26 14:11	06/13/26 16:30	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.9	0.48	ng/L		06/12/26 14:11	06/13/26 16:30	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.9	0.48	ng/L		06/12/26 14:11	06/13/26 16:30	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		9.6	3.9	ng/L		06/12/26 14:11	06/13/26 16:30	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND	B cn	9.6	3.9	ng/L		06/12/26 14:11	06/13/26 16:30	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.9	1.4	ng/L		06/12/26 14:11	06/13/26 16:30	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.9	0.48	ng/L		06/12/26 14:11	06/13/26 16:30	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.9	0.48	ng/L		06/12/26 14:11	06/13/26 16:30	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.9	0.48	ng/L		06/12/26 14:11	06/13/26 16:30	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.9	0.48	ng/L		06/12/26 14:11	06/13/26 16:30	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.9	0.48	ng/L		06/12/26 14:11	06/13/26 16:30	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.9	0.48	ng/L		06/12/26 14:11	06/13/26 16:30	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.9	0.48	ng/L		06/12/26 14:11	06/13/26 16:30	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	2.4	J	3.9	0.96	ng/L		06/12/26 14:11	06/13/26 16:30	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	29		9.6	2.7	ng/L		06/12/26 14:11	06/13/26 16:30	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		9.6	2.4	ng/L		06/12/26 14:11	06/13/26 16:30	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	85.9		5 - 130	06/12/26 14:11	06/13/26 16:30	1
13C5 PFPeA	82.4		40 - 130	06/12/26 14:11	06/13/26 16:30	1
13C5 PFHxA	81.7		40 - 130	06/12/26 14:11	06/13/26 16:30	1
13C4 PFHpA	85.0		40 - 130	06/12/26 14:11	06/13/26 16:30	1
13C8 PFOA	80.3		40 - 130	06/12/26 14:11	06/13/26 16:30	1
13C9 PFNA	73.8		40 - 130	06/12/26 14:11	06/13/26 16:30	1
13C6 PFDA	48.3		40 - 130	06/12/26 14:11	06/13/26 16:30	1
13C7 PFUnA	34.2		30 - 130	06/12/26 14:11	06/13/26 16:30	1
13C2 PFTeDA	20.7		10 - 130	06/12/26 14:11	06/13/26 16:30	1
13C3 PFBS	87.2		40 - 135	06/12/26 14:11	06/13/26 16:30	1
13C3 PFHxS	74.4		40 - 130	06/12/26 14:11	06/13/26 16:30	1
13C8 PFOS	36.1	*5- cn	40 - 130	06/12/26 14:11	06/13/26 16:30	1
13C8 FOSA	78.2		40 - 130	06/12/26 14:11	06/13/26 16:30	1
d3-NMeFOSAA	53.3		40 - 170	06/12/26 14:11	06/13/26 16:30	1
d5-NEtFOSAA	52.7		25 - 135	06/12/26 14:11	06/13/26 16:30	1
13C2 4:2 FTS	113		40 - 200	06/12/26 14:11	06/13/26 16:30	1
13C2 6:2 FTS	93.3		40 - 200	06/12/26 14:11	06/13/26 16:30	1
13C2 8:2 FTS	65.9		40 - 300	06/12/26 14:11	06/13/26 16:30	1
13C3 HFPO-DA	78.7		40 - 130	06/12/26 14:11	06/13/26 16:30	1
d7-N-MeFOSE-M	59.3		10 - 130	06/12/26 14:11	06/13/26 16:30	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-65

Lab Sample ID: 410-286356-13

Date Collected: 06/02/26 12:30

Matrix: Water

Date Received: 06/02/26 17:40

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d9-N-EtFOSE-M	48.2		10 - 130	06/12/26 14:11	06/13/26 16:30	1
d5-NEtPFOSA	51.6		10 - 130	06/12/26 14:11	06/13/26 16:30	1
d3-NMePFOSA	56.2		10 - 130	06/12/26 14:11	06/13/26 16:30	1
13C2 PFDoA	25.7		10 - 130	06/12/26 14:11	06/13/26 16:30	1
13C3-3:3 FTCA	103		20 - 150	06/12/26 14:11	06/13/26 16:30	1
13C3-5:3 FTCA	85.8		20 - 150	06/12/26 14:11	06/13/26 16:30	1
13C3-PFDoS	21.7		20 - 150	06/12/26 14:11	06/13/26 16:30	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.10	cn	0.0021	0.00057	mg/L		06/11/26 01:15	06/11/26 19:53	1
Nickel	0.015	cn	0.0010	0.00041	mg/L		06/11/26 01:15	06/11/26 19:53	1
Manganese	0.11	cn	0.0021	0.00098	mg/L		06/11/26 01:15	06/11/26 19:53	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-22

Lab Sample ID: 410-286356-14

Date Collected: 06/02/26 12:45

Matrix: Water

Date Received: 06/02/26 17:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/13/26 19:21	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/13/26 19:21	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/13/26 19:21	1
Styrene	ND		5.0	0.30	ug/L			06/13/26 19:21	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/13/26 19:21	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/13/26 19:21	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/13/26 19:21	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/13/26 19:21	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/13/26 19:21	1
Toluene	ND		1.0	0.30	ug/L			06/13/26 19:21	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/13/26 19:21	1
Cyclohexane	ND		5.0	1.0	ug/L			06/13/26 19:21	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/13/26 19:21	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/13/26 19:21	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/13/26 19:21	1
Tetrachloroethene	ND	^c FH cn	1.0	0.30	ug/L			06/13/26 19:21	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/13/26 19:21	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/13/26 19:21	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/13/26 19:21	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/13/26 19:21	1
Carbon tetrachloride	ND	^c FH cn	1.0	0.30	ug/L			06/13/26 19:21	1
2-Hexanone	ND	^c cn	10	0.85	ug/L			06/13/26 19:21	1
Acetone	ND		20	0.70	ug/L			06/13/26 19:21	1
Chloroform	ND		1.0	0.30	ug/L			06/13/26 19:21	1
Benzene	ND		1.0	0.30	ug/L			06/13/26 19:21	1
1,1,1-Trichloroethane	1.3		1.0	0.30	ug/L			06/16/26 14:41	1
Bromomethane	ND		1.0	0.30	ug/L			06/13/26 19:21	1
Chloromethane	ND	^c cn	2.0	0.55	ug/L			06/13/26 19:21	1
Chloroethane	ND		1.0	0.30	ug/L			06/13/26 19:21	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/13/26 19:21	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/13/26 19:21	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/13/26 19:21	1
Bromoform	ND	^c cn	4.0	1.0	ug/L			06/13/26 19:21	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/13/26 19:21	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/13/26 19:21	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/13/26 19:21	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/13/26 19:21	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/13/26 19:21	1
Freon 113	ND	^c cn	10	0.30	ug/L			06/13/26 19:21	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/13/26 19:21	1
2-Butanone	ND	^c cn	10	1.0	ug/L			06/13/26 19:21	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/13/26 19:21	1
Trichloroethene	1.8		1.0	0.30	ug/L			06/16/26 14:41	1
Methyl acetate	ND		5.0	0.60	ug/L			06/13/26 19:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/13/26 19:21	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/13/26 19:21	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/13/26 19:21	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/13/26 19:21	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-22

Lab Sample ID: 410-286356-14

Date Collected: 06/02/26 12:45

Matrix: Water

Date Received: 06/02/26 17:40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		06/13/26 19:21	1
1,2-Dichloroethane-d4 (Surr)	100		80 - 120		06/16/26 14:41	1
Dibromofluoromethane (Surr)	114		80 - 120		06/13/26 19:21	1
Dibromofluoromethane (Surr)	96		80 - 120		06/16/26 14:41	1
4-Bromofluorobenzene (Surr)	91		80 - 120		06/13/26 19:21	1
4-Bromofluorobenzene (Surr)	98		80 - 120		06/16/26 14:41	1
Toluene-d8 (Surr)	93		80 - 120		06/13/26 19:21	1
Toluene-d8 (Surr)	95		80 - 120		06/16/26 14:41	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.26		0.010	0.0050	mg/L			06/03/26 11:02	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	13		2.0	1.0	mg/L			06/13/26 03:28	10

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	37		3.2	0.89	ng/L		06/12/26 14:11	06/13/26 16:44	1
Perfluoropentanoic acid (PFPeA)	120		1.6	0.48	ng/L		06/12/26 14:11	06/13/26 16:44	1
Perfluorohexanoic acid (PFHxA)	99 FL		1.6	0.40	ng/L		06/12/26 14:11	06/13/26 16:44	1
Perfluoroheptanoic acid (PFHpA)	48		1.6	0.65	ng/L		06/12/26 14:11	06/13/26 16:44	1
Perfluorooctanoic acid (PFOA)	43		1.6	0.73	ng/L		06/12/26 14:11	06/13/26 16:44	1
Perfluorononanoic acid (PFNA)	14		1.6	0.40	ng/L		06/12/26 14:11	06/13/26 16:44	1
Perfluorodecanoic acid (PFDA)	0.49 J		1.6	0.40	ng/L		06/12/26 14:11	06/13/26 16:44	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.40	ng/L		06/12/26 14:11	06/13/26 16:44	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.40	ng/L		06/12/26 14:11	06/13/26 16:44	1
Perfluorotridecanoic acid (PFTriDA)	ND		1.6	0.40	ng/L		06/12/26 14:11	06/13/26 16:44	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.6	0.40	ng/L		06/12/26 14:11	06/13/26 16:44	1
Perfluorobutanesulfonic acid (PFBS)	ND I cn		1.6	0.40	ng/L		06/12/26 14:11	06/13/26 16:44	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.6	0.40	ng/L		06/12/26 14:11	06/13/26 16:44	1
Perfluorohexanesulfonic acid (PFHxS)	0.90 J		1.6	0.65	ng/L		06/12/26 14:11	06/13/26 16:44	1
Perfluoroheptanesulfonic acid (PFHpS)	ND FH		1.6	0.40	ng/L		06/12/26 14:11	06/13/26 16:44	1
Perfluorooctanesulfonic acid (PFOS)	1.6		1.6	1.0	ng/L		06/12/26 14:11	06/13/26 16:44	1
Perfluorononanesulfonic acid (PFNS)	ND		1.6	0.40	ng/L		06/12/26 14:11	06/13/26 16:44	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.40	ng/L		06/12/26 14:11	06/13/26 16:44	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.6	0.48	ng/L		06/12/26 14:11	06/13/26 16:44	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.2	0.81	ng/L		06/12/26 14:11	06/13/26 16:44	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	85		3.2	0.81	ng/L		06/12/26 14:11	06/13/26 16:44	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	17		3.2	0.81	ng/L		06/12/26 14:11	06/13/26 16:44	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.6	0.40	ng/L		06/12/26 14:11	06/13/26 16:44	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.6	0.40	ng/L		06/12/26 14:11	06/13/26 16:44	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-22

Lab Sample ID: 410-286356-14

Date Collected: 06/02/26 12:45

Matrix: Water

Date Received: 06/02/26 17:40

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.6	0.40	ng/L		06/12/26 14:11	06/13/26 16:44	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.1	3.2	ng/L		06/12/26 14:11	06/13/26 16:44	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.6	1.1	ng/L		06/12/26 14:11	06/13/26 16:44	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.6	0.40	ng/L		06/12/26 14:11	06/13/26 16:44	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.6	0.40	ng/L		06/12/26 14:11	06/13/26 16:44	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.6	0.40	ng/L		06/12/26 14:11	06/13/26 16:44	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.6	0.40	ng/L		06/12/26 14:11	06/13/26 16:44	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.6	0.40	ng/L		06/12/26 14:11	06/13/26 16:44	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.6	0.40	ng/L		06/12/26 14:11	06/13/26 16:44	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.6	0.40	ng/L		06/12/26 14:11	06/13/26 16:44	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	2.4	J	3.2	0.81	ng/L		06/12/26 14:11	06/13/26 16:44	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	16		8.1	2.3	ng/L		06/12/26 14:11	06/13/26 16:44	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.1	2.0	ng/L		06/12/26 14:11	06/13/26 16:44	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	94.1		5 - 130	06/12/26 14:11	06/13/26 16:44	1
13C5 PFPeA	93.4		40 - 130	06/12/26 14:11	06/13/26 16:44	1
13C5 PFHxA	87.2		40 - 130	06/12/26 14:11	06/13/26 16:44	1
13C4 PFHpA	91.6		40 - 130	06/12/26 14:11	06/13/26 16:44	1
13C8 PFOA	84.2		40 - 130	06/12/26 14:11	06/13/26 16:44	1
13C9 PFNA	78.5		40 - 130	06/12/26 14:11	06/13/26 16:44	1
13C6 PFDA	46.1		40 - 130	06/12/26 14:11	06/13/26 16:44	1
13C7 PFUnA	33.0		30 - 130	06/12/26 14:11	06/13/26 16:44	1
13C2 PFTeDA	17.8		10 - 130	06/12/26 14:11	06/13/26 16:44	1
13C3 PFBS	92.1		40 - 135	06/12/26 14:11	06/13/26 16:44	1
13C3 PFHxS	78.6		40 - 130	06/12/26 14:11	06/13/26 16:44	1
13C8 PFOS	35.3	*5- cn	40 - 130	06/12/26 14:11	06/13/26 16:44	1
13C8 FOSA	68.5		40 - 130	06/12/26 14:11	06/13/26 16:44	1
d3-NMeFOSAA	46.9		40 - 170	06/12/26 14:11	06/13/26 16:44	1
d5-NEtFOSAA	48.4		25 - 135	06/12/26 14:11	06/13/26 16:44	1
13C2 4:2 FTS	118		40 - 200	06/12/26 14:11	06/13/26 16:44	1
13C2 6:2 FTS	107		40 - 200	06/12/26 14:11	06/13/26 16:44	1
13C2 8:2 FTS	68.1		40 - 300	06/12/26 14:11	06/13/26 16:44	1
13C3 HFPO-DA	87.6		40 - 130	06/12/26 14:11	06/13/26 16:44	1
d7-N-MeFOSE-M	51.6		10 - 130	06/12/26 14:11	06/13/26 16:44	1
d9-N-EtFOSE-M	39.9		10 - 130	06/12/26 14:11	06/13/26 16:44	1
d5-NEtPFOSA	46.8		10 - 130	06/12/26 14:11	06/13/26 16:44	1
d3-NMePFOSA	52.8		10 - 130	06/12/26 14:11	06/13/26 16:44	1
13C2 PFDaA	25.7		10 - 130	06/12/26 14:11	06/13/26 16:44	1
13C3-3:3 FTCA	102		20 - 150	06/12/26 14:11	06/13/26 16:44	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-22

Lab Sample ID: 410-286356-14

Date Collected: 06/02/26 12:45

Matrix: Water

Date Received: 06/02/26 17:40

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-5:3 FTCA	89.6		20 - 150	06/12/26 14:11	06/13/26 16:44	1
13C3-PFDoS	19.7	*5- cn	20 - 150	06/12/26 14:11	06/13/26 16:44	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A - RE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.7	0.43	ng/L		06/17/26 09:59	06/18/26 15:11	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.7	0.94	ng/L		06/17/26 09:59	06/18/26 15:11	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.5	3.4	ng/L		06/17/26 09:59	06/18/26 15:11	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
d9-N-EtFOSE-M	53.5		10 - 130				06/17/26 09:59	06/18/26 15:11	1
d5-NEtPFOSA	57.1		10 - 130				06/17/26 09:59	06/18/26 15:11	1
d3-NMePFOSA	58.0		10 - 130				06/17/26 09:59	06/18/26 15:11	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.088	cn	0.0021	0.00057	mg/L		06/09/26 04:50	06/09/26 19:34	1
Nickel	0.20	cn	0.0010	0.00041	mg/L		06/09/26 04:50	06/09/26 19:34	1
Manganese	0.24	cn	0.0021	0.00098	mg/L		06/09/26 04:50	06/09/26 19:34	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-27S

Lab Sample ID: 410-286356-15

Date Collected: 06/02/26 13:00

Matrix: Water

Date Received: 06/02/26 17:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/13/26 20:22	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/13/26 20:22	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/13/26 20:22	1
Styrene	ND		5.0	0.30	ug/L			06/13/26 20:22	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/13/26 20:22	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/13/26 20:22	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/13/26 20:22	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/13/26 20:22	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/13/26 20:22	1
Toluene	ND		1.0	0.30	ug/L			06/13/26 20:22	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/13/26 20:22	1
Cyclohexane	ND		5.0	1.0	ug/L			06/13/26 20:22	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/13/26 20:22	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/13/26 20:22	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/13/26 20:22	1
Tetrachloroethene	ND	^c cn	1.0	0.30	ug/L			06/13/26 20:22	1
cis-1,2-Dichloroethene	1.9		1.0	0.30	ug/L			06/13/26 20:22	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/13/26 20:22	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/13/26 20:22	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/13/26 20:22	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			06/13/26 20:22	1
2-Hexanone	ND	^c cn	10	0.85	ug/L			06/13/26 20:22	1
Acetone	ND		20	0.70	ug/L			06/13/26 20:22	1
Chloroform	ND		1.0	0.30	ug/L			06/13/26 20:22	1
Benzene	ND		1.0	0.30	ug/L			06/13/26 20:22	1
1,1,1-Trichloroethane	ND	^c *+ cn	1.0	0.30	ug/L			06/13/26 20:22	1
Bromomethane	ND		1.0	0.30	ug/L			06/13/26 20:22	1
Chloromethane	ND	^c cn	2.0	0.55	ug/L			06/13/26 20:22	1
Chloroethane	ND		1.0	0.30	ug/L			06/13/26 20:22	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/13/26 20:22	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/13/26 20:22	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/13/26 20:22	1
Bromoform	ND	^c cn	4.0	1.0	ug/L			06/13/26 20:22	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/13/26 20:22	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/13/26 20:22	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/13/26 20:22	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/13/26 20:22	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/13/26 20:22	1
Freon 113	ND	^c cn	10	0.30	ug/L			06/13/26 20:22	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/13/26 20:22	1
2-Butanone	ND	^c cn	10	1.0	ug/L			06/13/26 20:22	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/13/26 20:22	1
Trichloroethene	1.9		1.0	0.30	ug/L			06/13/26 20:22	1
Methyl acetate	ND		5.0	0.60	ug/L			06/13/26 20:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/13/26 20:22	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/13/26 20:22	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/13/26 20:22	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/13/26 20:22	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-27S

Lab Sample ID: 410-286356-15

Date Collected: 06/02/26 13:00

Matrix: Water

Date Received: 06/02/26 17:40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		06/13/26 20:22	1
Dibromofluoromethane (Surr)	113		80 - 120		06/13/26 20:22	1
4-Bromofluorobenzene (Surr)	91		80 - 120		06/13/26 20:22	1
Toluene-d8 (Surr)	92		80 - 120		06/13/26 20:22	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/03/26 11:10	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	12		2.0	1.0	mg/L			06/13/26 04:42	10

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	50		3.3	0.90	ng/L		06/12/26 14:11	06/13/26 17:24	1
Perfluoropentanoic acid (PFPeA)	180		1.6	0.49	ng/L		06/12/26 14:11	06/13/26 17:24	1
Perfluorohexanoic acid (PFHxA)	110		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 17:24	1
Perfluoroheptanoic acid (PFHpA)	68		1.6	0.65	ng/L		06/12/26 14:11	06/13/26 17:24	1
Perfluorooctanoic acid (PFOA)	75		1.6	0.73	ng/L		06/12/26 14:11	06/13/26 17:24	1
Perfluorononanoic acid (PFNA)	17		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 17:24	1
Perfluorodecanoic acid (PFDA)	0.62 J		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 17:24	1
Perfluoroundecanoic acid (PFUnA)	0.94 J		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 17:24	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 17:24	1
Perfluorotridecanoic acid (PFTriDA)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 17:24	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 17:24	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 17:24	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 17:24	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.6	0.65	ng/L		06/12/26 14:11	06/13/26 17:24	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 17:24	1
Perfluorooctanesulfonic acid (PFOS)	2.1		1.6	1.1	ng/L		06/12/26 14:11	06/13/26 17:24	1
Perfluorononanesulfonic acid (PFNS)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 17:24	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 17:24	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.6	0.49	ng/L		06/12/26 14:11	06/13/26 17:24	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	6.3		3.3	0.81	ng/L		06/12/26 14:11	06/13/26 17:24	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	570		3.3	0.81	ng/L		06/12/26 14:11	06/13/26 17:24	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.92 J		3.3	0.81	ng/L		06/12/26 14:11	06/13/26 17:24	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 17:24	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND B cn		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 17:24	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND B cn		1.6	0.90	ng/L		06/12/26 14:11	06/13/26 17:24	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 17:24	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 17:24	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-27S

Lab Sample ID: 410-286356-15

Date Collected: 06/02/26 13:00

Matrix: Water

Date Received: 06/02/26 17:40

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.1	3.3	ng/L		06/12/26 14:11	06/13/26 17:24	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND	B cn	8.1	3.3	ng/L		06/12/26 14:11	06/13/26 17:24	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.6	1.1	ng/L		06/12/26 14:11	06/13/26 17:24	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 17:24	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 17:24	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 17:24	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 17:24	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 17:24	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 17:24	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 17:24	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.3	0.81	ng/L		06/12/26 14:11	06/13/26 17:24	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.4	J	8.1	2.3	ng/L		06/12/26 14:11	06/13/26 17:24	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.1	2.0	ng/L		06/12/26 14:11	06/13/26 17:24	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	94.0		5 - 130	06/12/26 14:11	06/13/26 17:24	1
13C5 PFPeA	85.3		40 - 130	06/12/26 14:11	06/13/26 17:24	1
13C5 PFHxA	81.1		40 - 130	06/12/26 14:11	06/13/26 17:24	1
13C4 PFHpA	79.8		40 - 130	06/12/26 14:11	06/13/26 17:24	1
13C8 PFOA	77.2		40 - 130	06/12/26 14:11	06/13/26 17:24	1
13C9 PFNA	67.0		40 - 130	06/12/26 14:11	06/13/26 17:24	1
13C6 PFDA	62.3		40 - 130	06/12/26 14:11	06/13/26 17:24	1
13C7 PFUnA	70.7		30 - 130	06/12/26 14:11	06/13/26 17:24	1
13C2 PFTeDA	71.7		10 - 130	06/12/26 14:11	06/13/26 17:24	1
13C3 PFBS	80.0		40 - 135	06/12/26 14:11	06/13/26 17:24	1
13C3 PFHxS	76.0		40 - 130	06/12/26 14:11	06/13/26 17:24	1
13C8 PFOS	72.8		40 - 130	06/12/26 14:11	06/13/26 17:24	1
13C8 FOSA	76.8		40 - 130	06/12/26 14:11	06/13/26 17:24	1
d3-NMeFOSAA	79.6		40 - 170	06/12/26 14:11	06/13/26 17:24	1
d5-NEtFOSAA	81.8		25 - 135	06/12/26 14:11	06/13/26 17:24	1
13C2 4:2 FTS	133		40 - 200	06/12/26 14:11	06/13/26 17:24	1
13C2 6:2 FTS	77.5		40 - 200	06/12/26 14:11	06/13/26 17:24	1
13C2 8:2 FTS	77.6		40 - 300	06/12/26 14:11	06/13/26 17:24	1
13C3 HFPO-DA	78.0		40 - 130	06/12/26 14:11	06/13/26 17:24	1
d7-N-MeFOSE-M	66.7		10 - 130	06/12/26 14:11	06/13/26 17:24	1
d9-N-EtFOSE-M	54.5		10 - 130	06/12/26 14:11	06/13/26 17:24	1
d5-NEtPFOSA	69.1		10 - 130	06/12/26 14:11	06/13/26 17:24	1
d3-NMePFOSA	70.3		10 - 130	06/12/26 14:11	06/13/26 17:24	1
13C2 PFDa	79.3		10 - 130	06/12/26 14:11	06/13/26 17:24	1
13C3-3:3 FTCA	112		20 - 150	06/12/26 14:11	06/13/26 17:24	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-27S

Lab Sample ID: 410-286356-15

Date Collected: 06/02/26 13:00

Matrix: Water

Date Received: 06/02/26 17:40

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-5:3 FTCA	84.3		20 - 150	06/12/26 14:11	06/13/26 17:24	1
13C3-PFDoS	83.8		20 - 150	06/12/26 14:11	06/13/26 17:24	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.0025	cn	0.0021	0.00057	mg/L		06/09/26 04:50	06/09/26 19:28	1
Nickel	0.029	cn	0.0010	0.00041	mg/L		06/09/26 04:50	06/09/26 19:28	1
Manganese	0.023	cn	0.0021	0.00098	mg/L		06/09/26 04:50	06/09/26 19:28	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-271

Lab Sample ID: 410-286356-16

Date Collected: 06/02/26 13:15

Matrix: Water

Date Received: 06/02/26 17:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/13/26 20:43	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/13/26 20:43	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/13/26 20:43	1
Styrene	ND		5.0	0.30	ug/L			06/13/26 20:43	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/13/26 20:43	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/13/26 20:43	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/13/26 20:43	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/13/26 20:43	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/13/26 20:43	1
Toluene	ND		1.0	0.30	ug/L			06/13/26 20:43	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/13/26 20:43	1
Cyclohexane	ND		5.0	1.0	ug/L			06/13/26 20:43	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/13/26 20:43	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/13/26 20:43	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/13/26 20:43	1
Tetrachloroethene	32	^c cn	1.0	0.30	ug/L			06/13/26 20:43	1
cis-1,2-Dichloroethene	1000		10	3.0	ug/L			06/16/26 16:58	10
trans-1,2-Dichloroethene	10		2.0	0.70	ug/L			06/13/26 20:43	1
Methyl tertiary butyl ether	1.1		1.0	0.20	ug/L			06/13/26 20:43	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/13/26 20:43	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			06/13/26 20:43	1
2-Hexanone	ND	^c cn	10	0.85	ug/L			06/13/26 20:43	1
Acetone	ND		20	0.70	ug/L			06/13/26 20:43	1
Chloroform	ND		1.0	0.30	ug/L			06/13/26 20:43	1
Benzene	1.4		1.0	0.30	ug/L			06/13/26 20:43	1
1,1,1-Trichloroethane	8.3	J	10	3.0	ug/L			06/16/26 16:58	10
Bromomethane	ND		1.0	0.30	ug/L			06/13/26 20:43	1
Chloromethane	ND	^c cn	2.0	0.55	ug/L			06/13/26 20:43	1
Chloroethane	ND		1.0	0.30	ug/L			06/13/26 20:43	1
Vinyl chloride	67		1.0	0.30	ug/L			06/13/26 20:43	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/13/26 20:43	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/13/26 20:43	1
Bromoform	ND	^c cn	4.0	1.0	ug/L			06/13/26 20:43	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/13/26 20:43	1
1,1-Dichloroethane	2.3		1.0	0.30	ug/L			06/13/26 20:43	1
1,1-Dichloroethene	10		1.0	0.30	ug/L			06/13/26 20:43	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/13/26 20:43	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/13/26 20:43	1
Freon 113	ND	^c cn	10	0.30	ug/L			06/13/26 20:43	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/13/26 20:43	1
2-Butanone	ND	^c cn	10	1.0	ug/L			06/13/26 20:43	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/13/26 20:43	1
Methyl acetate	ND		5.0	0.60	ug/L			06/13/26 20:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/13/26 20:43	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/13/26 20:43	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/13/26 20:43	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/13/26 20:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		06/13/26 20:43	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-271

Lab Sample ID: 410-286356-16

Date Collected: 06/02/26 13:15

Matrix: Water

Date Received: 06/02/26 17:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120		06/16/26 16:58	10
Dibromofluoromethane (Surr)	107		80 - 120		06/13/26 20:43	1
Dibromofluoromethane (Surr)	94		80 - 120		06/16/26 16:58	10
4-Bromofluorobenzene (Surr)	90		80 - 120		06/13/26 20:43	1
4-Bromofluorobenzene (Surr)	96		80 - 120		06/16/26 16:58	10
Toluene-d8 (Surr)	93		80 - 120		06/13/26 20:43	1
Toluene-d8 (Surr)	97		80 - 120		06/16/26 16:58	10

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	3500		100	30	ug/L			06/16/26 17:17	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		06/16/26 17:17	100
Dibromofluoromethane (Surr)	98		80 - 120		06/16/26 17:17	100
4-Bromofluorobenzene (Surr)	97		80 - 120		06/16/26 17:17	100
Toluene-d8 (Surr)	95		80 - 120		06/16/26 17:17	100

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/03/26 11:17	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	5.0		2.0	1.0	mg/L			06/13/26 05:32	10

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	44		3.3	0.90	ng/L		06/12/26 14:11	06/13/26 17:38	1
Perfluoropentanoic acid (PFPeA)	140		1.6	0.49	ng/L		06/12/26 14:11	06/13/26 17:38	1
Perfluorohexanoic acid (PFHxA)	85		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 17:38	1
Perfluoroheptanoic acid (PFHpA)	73		1.6	0.65	ng/L		06/12/26 14:11	06/13/26 17:38	1
Perfluorooctanoic acid (PFOA)	51		1.6	0.73	ng/L		06/12/26 14:11	06/13/26 17:38	1
Perfluorononanoic acid (PFNA)	13		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 17:38	1
Perfluorodecanoic acid (PFDA)	0.64	J	1.6	0.41	ng/L		06/12/26 14:11	06/13/26 17:38	1
Perfluoroundecanoic acid (PFUnA)	1.4	J	1.6	0.41	ng/L		06/12/26 14:11	06/13/26 17:38	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 17:38	1
Perfluorotridecanoic acid (PFTriDA)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 17:38	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 17:38	1
Perfluorobutanesulfonic acid (PFBS)	1.2	J	1.6	0.41	ng/L		06/12/26 14:11	06/13/26 17:38	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 17:38	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.6	0.65	ng/L		06/12/26 14:11	06/13/26 17:38	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 17:38	1
Perfluorooctanesulfonic acid (PFOS)	1.3	J	1.6	1.1	ng/L		06/12/26 14:11	06/13/26 17:38	1
Perfluorononanesulfonic acid (PFNS)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 17:38	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 17:38	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-27I

Lab Sample ID: 410-286356-16

Date Collected: 06/02/26 13:15

Matrix: Water

Date Received: 06/02/26 17:40

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanesulfonic acid (PFDoS)	ND		1.6	0.49	ng/L		06/12/26 14:11	06/13/26 17:38	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	3.4		3.3	0.82	ng/L		06/12/26 14:11	06/13/26 17:38	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	110		3.3	0.82	ng/L		06/12/26 14:11	06/13/26 17:38	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	6.5		3.3	0.82	ng/L		06/12/26 14:11	06/13/26 17:38	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 17:38	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND	B cn	1.6	0.41	ng/L		06/12/26 14:11	06/13/26 17:38	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND	B cn	1.6	0.90	ng/L		06/12/26 14:11	06/13/26 17:38	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 17:38	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 17:38	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.2	3.3	ng/L		06/12/26 14:11	06/13/26 17:38	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND	B cn	8.2	3.3	ng/L		06/12/26 14:11	06/13/26 17:38	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.6	1.1	ng/L		06/12/26 14:11	06/13/26 17:38	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 17:38	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 17:38	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 17:38	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 17:38	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 17:38	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 17:38	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.6	0.41	ng/L		06/12/26 14:11	06/13/26 17:38	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.3	0.82	ng/L		06/12/26 14:11	06/13/26 17:38	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	2.5	J	8.2	2.3	ng/L		06/12/26 14:11	06/13/26 17:38	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.2	2.0	ng/L		06/12/26 14:11	06/13/26 17:38	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	104		5 - 130	06/12/26 14:11	06/13/26 17:38	1
13C5 PFPeA	98.8		40 - 130	06/12/26 14:11	06/13/26 17:38	1
13C5 PFHxA	98.4		40 - 130	06/12/26 14:11	06/13/26 17:38	1
13C4 PFHpA	101		40 - 130	06/12/26 14:11	06/13/26 17:38	1
13C8 PFOA	95.7		40 - 130	06/12/26 14:11	06/13/26 17:38	1
13C9 PFNA	94.4		40 - 130	06/12/26 14:11	06/13/26 17:38	1
13C6 PFDA	88.0		40 - 130	06/12/26 14:11	06/13/26 17:38	1
13C7 PFUnA	90.3		30 - 130	06/12/26 14:11	06/13/26 17:38	1
13C2 PFTeDA	78.7		10 - 130	06/12/26 14:11	06/13/26 17:38	1
13C3 PFBS	100		40 - 135	06/12/26 14:11	06/13/26 17:38	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-27I

Lab Sample ID: 410-286356-16

Date Collected: 06/02/26 13:15

Matrix: Water

Date Received: 06/02/26 17:40

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 PFHxS	98.3		40 - 130	06/12/26 14:11	06/13/26 17:38	1
13C8 PFOS	95.4		40 - 130	06/12/26 14:11	06/13/26 17:38	1
13C8 FOSA	96.0		40 - 130	06/12/26 14:11	06/13/26 17:38	1
d3-NMeFOSAA	91.1		40 - 170	06/12/26 14:11	06/13/26 17:38	1
d5-NEtFOSAA	89.1		25 - 135	06/12/26 14:11	06/13/26 17:38	1
13C2 4:2 FTS	125		40 - 200	06/12/26 14:11	06/13/26 17:38	1
13C2 6:2 FTS	109		40 - 200	06/12/26 14:11	06/13/26 17:38	1
13C2 8:2 FTS	115		40 - 300	06/12/26 14:11	06/13/26 17:38	1
13C3 HFPO-DA	102		40 - 130	06/12/26 14:11	06/13/26 17:38	1
d7-N-MeFOSE-M	78.1		10 - 130	06/12/26 14:11	06/13/26 17:38	1
d9-N-EtFOSE-M	64.5		10 - 130	06/12/26 14:11	06/13/26 17:38	1
d5-NEtPFOSA	77.7		10 - 130	06/12/26 14:11	06/13/26 17:38	1
d3-NMePFOSA	80.3		10 - 130	06/12/26 14:11	06/13/26 17:38	1
13C2 PFDoA	92.0		10 - 130	06/12/26 14:11	06/13/26 17:38	1
13C3-3:3 FTCA	107		20 - 150	06/12/26 14:11	06/13/26 17:38	1
13C3-5:3 FTCA	104		20 - 150	06/12/26 14:11	06/13/26 17:38	1
13C3-PFDoS	85.2		20 - 150	06/12/26 14:11	06/13/26 17:38	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND	cn	0.0021	0.00057	mg/L		06/09/26 04:50	06/09/26 19:54	1
Nickel	0.014	cn	0.0010	0.00041	mg/L		06/09/26 04:50	06/09/26 19:54	1
Manganese	0.049	cn	0.0021	0.00098	mg/L		06/09/26 04:50	06/09/26 19:54	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: Duplicate 4

Lab Sample ID: 410-286356-17

Date Collected: 06/02/26 13:20

Matrix: Water

Date Received: 06/02/26 17:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/13/26 21:03	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/13/26 21:03	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/13/26 21:03	1
Styrene	ND		5.0	0.30	ug/L			06/13/26 21:03	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/13/26 21:03	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/13/26 21:03	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/13/26 21:03	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/13/26 21:03	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/13/26 21:03	1
Toluene	ND		1.0	0.30	ug/L			06/13/26 21:03	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/13/26 21:03	1
Cyclohexane	ND		5.0	1.0	ug/L			06/13/26 21:03	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/13/26 21:03	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/13/26 21:03	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/13/26 21:03	1
Tetrachloroethene	27	^c cn	1.0	0.30	ug/L			06/13/26 21:03	1
cis-1,2-Dichloroethene	960		10	3.0	ug/L			06/16/26 17:37	10
trans-1,2-Dichloroethene	9.1		2.0	0.70	ug/L			06/13/26 21:03	1
Methyl tertiary butyl ether	1.1		1.0	0.20	ug/L			06/13/26 21:03	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/13/26 21:03	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			06/13/26 21:03	1
2-Hexanone	ND	^c cn	10	0.85	ug/L			06/13/26 21:03	1
Acetone	ND		20	0.70	ug/L			06/13/26 21:03	1
Chloroform	ND		1.0	0.30	ug/L			06/13/26 21:03	1
Benzene	1.0		1.0	0.30	ug/L			06/13/26 21:03	1
1,1,1-Trichloroethane	8.7	J	10	3.0	ug/L			06/16/26 17:37	10
Bromomethane	ND		1.0	0.30	ug/L			06/13/26 21:03	1
Chloromethane	ND	^c cn	2.0	0.55	ug/L			06/13/26 21:03	1
Chloroethane	ND		1.0	0.30	ug/L			06/13/26 21:03	1
Vinyl chloride	41		1.0	0.30	ug/L			06/13/26 21:03	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/13/26 21:03	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/13/26 21:03	1
Bromoform	ND	^c cn	4.0	1.0	ug/L			06/13/26 21:03	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/13/26 21:03	1
1,1-Dichloroethane	1.9		1.0	0.30	ug/L			06/13/26 21:03	1
1,1-Dichloroethene	9.5		1.0	0.30	ug/L			06/13/26 21:03	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/13/26 21:03	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/13/26 21:03	1
Freon 113	ND	^c cn	10	0.30	ug/L			06/13/26 21:03	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/13/26 21:03	1
2-Butanone	ND	^c cn	10	1.0	ug/L			06/13/26 21:03	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/13/26 21:03	1
Methyl acetate	ND		5.0	0.60	ug/L			06/13/26 21:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/13/26 21:03	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/13/26 21:03	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/13/26 21:03	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/13/26 21:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		06/13/26 21:03	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: Duplicate 4

Lab Sample ID: 410-286356-17

Date Collected: 06/02/26 13:20

Matrix: Water

Date Received: 06/02/26 17:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		06/16/26 17:37	10
Dibromofluoromethane (Surr)	110		80 - 120		06/13/26 21:03	1
Dibromofluoromethane (Surr)	94		80 - 120		06/16/26 17:37	10
4-Bromofluorobenzene (Surr)	91		80 - 120		06/13/26 21:03	1
4-Bromofluorobenzene (Surr)	95		80 - 120		06/16/26 17:37	10
Toluene-d8 (Surr)	95		80 - 120		06/13/26 21:03	1
Toluene-d8 (Surr)	96		80 - 120		06/16/26 17:37	10

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	3100		100	30	ug/L			06/16/26 17:57	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120					06/16/26 17:57	100
Dibromofluoromethane (Surr)	96		80 - 120					06/16/26 17:57	100
4-Bromofluorobenzene (Surr)	97		80 - 120					06/16/26 17:57	100
Toluene-d8 (Surr)	95		80 - 120					06/16/26 17:57	100

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/03/26 11:25	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	4.3		2.0	1.0	mg/L			06/13/26 05:57	10

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	35		3.6	1.0	ng/L		06/12/26 14:11	06/13/26 17:52	1
Perfluoropentanoic acid (PFPeA)	120		1.8	0.55	ng/L		06/12/26 14:11	06/13/26 17:52	1
Perfluorohexanoic acid (PFHxA)	71		1.8	0.46	ng/L		06/12/26 14:11	06/13/26 17:52	1
Perfluoroheptanoic acid (PFHpA)	53		1.8	0.73	ng/L		06/12/26 14:11	06/13/26 17:52	1
Perfluorooctanoic acid (PFOA)	41		1.8	0.82	ng/L		06/12/26 14:11	06/13/26 17:52	1
Perfluorononanoic acid (PFNA)	9.5		1.8	0.46	ng/L		06/12/26 14:11	06/13/26 17:52	1
Perfluorodecanoic acid (PFDA)	ND		1.8	0.46	ng/L		06/12/26 14:11	06/13/26 17:52	1
Perfluoroundecanoic acid (PFUnA)	0.83	J	1.8	0.46	ng/L		06/12/26 14:11	06/13/26 17:52	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.46	ng/L		06/12/26 14:11	06/13/26 17:52	1
Perfluorotridecanoic acid (PFTTrDA)	0.51	J	1.8	0.46	ng/L		06/12/26 14:11	06/13/26 17:52	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.8	0.46	ng/L		06/12/26 14:11	06/13/26 17:52	1
Perfluorobutanesulfonic acid (PFBS)	0.61	J	1.8	0.46	ng/L		06/12/26 14:11	06/13/26 17:52	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.8	0.46	ng/L		06/12/26 14:11	06/13/26 17:52	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.73	ng/L		06/12/26 14:11	06/13/26 17:52	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.8	0.46	ng/L		06/12/26 14:11	06/13/26 17:52	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8	1.2	ng/L		06/12/26 14:11	06/13/26 17:52	1
Perfluorononanesulfonic acid (PFNS)	ND		1.8	0.46	ng/L		06/12/26 14:11	06/13/26 17:52	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.46	ng/L		06/12/26 14:11	06/13/26 17:52	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: Duplicate 4

Lab Sample ID: 410-286356-17

Date Collected: 06/02/26 13:20

Matrix: Water

Date Received: 06/02/26 17:40

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.55	ng/L		06/12/26 14:11	06/13/26 17:52	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	2.6	J	3.6	0.91	ng/L		06/12/26 14:11	06/13/26 17:52	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	120		3.6	0.91	ng/L		06/12/26 14:11	06/13/26 17:52	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	5.6		3.6	0.91	ng/L		06/12/26 14:11	06/13/26 17:52	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.46	ng/L		06/12/26 14:11	06/13/26 17:52	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND	B cn	1.8	0.46	ng/L		06/12/26 14:11	06/13/26 17:52	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND	B cn	1.8	1.0	ng/L		06/12/26 14:11	06/13/26 17:52	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.8	0.46	ng/L		06/12/26 14:11	06/13/26 17:52	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.8	0.46	ng/L		06/12/26 14:11	06/13/26 17:52	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		9.1	3.6	ng/L		06/12/26 14:11	06/13/26 17:52	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND	B cn	9.1	3.6	ng/L		06/12/26 14:11	06/13/26 17:52	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.8	1.3	ng/L		06/12/26 14:11	06/13/26 17:52	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.8	0.46	ng/L		06/12/26 14:11	06/13/26 17:52	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.8	0.46	ng/L		06/12/26 14:11	06/13/26 17:52	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.8	0.46	ng/L		06/12/26 14:11	06/13/26 17:52	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.8	0.46	ng/L		06/12/26 14:11	06/13/26 17:52	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.8	0.46	ng/L		06/12/26 14:11	06/13/26 17:52	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.8	0.46	ng/L		06/12/26 14:11	06/13/26 17:52	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.8	0.46	ng/L		06/12/26 14:11	06/13/26 17:52	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.6	0.91	ng/L		06/12/26 14:11	06/13/26 17:52	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.3	J	9.1	2.5	ng/L		06/12/26 14:11	06/13/26 17:52	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		9.1	2.3	ng/L		06/12/26 14:11	06/13/26 17:52	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	91.7		5 - 130	06/12/26 14:11	06/13/26 17:52	1
13C5 PFPeA	91.3		40 - 130	06/12/26 14:11	06/13/26 17:52	1
13C5 PFHxA	92.6		40 - 130	06/12/26 14:11	06/13/26 17:52	1
13C4 PFHpA	97.9		40 - 130	06/12/26 14:11	06/13/26 17:52	1
13C8 PFOA	91.5		40 - 130	06/12/26 14:11	06/13/26 17:52	1
13C9 PFNA	91.2		40 - 130	06/12/26 14:11	06/13/26 17:52	1
13C6 PFDA	82.6		40 - 130	06/12/26 14:11	06/13/26 17:52	1
13C7 PFUnA	84.1		30 - 130	06/12/26 14:11	06/13/26 17:52	1
13C2 PFTeDA	74.9		10 - 130	06/12/26 14:11	06/13/26 17:52	1
13C3 PFBS	97.2		40 - 135	06/12/26 14:11	06/13/26 17:52	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: Duplicate 4

Lab Sample ID: 410-286356-17

Date Collected: 06/02/26 13:20

Matrix: Water

Date Received: 06/02/26 17:40

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 PFHxS	94.3		40 - 130	06/12/26 14:11	06/13/26 17:52	1
13C8 PFOS	93.8		40 - 130	06/12/26 14:11	06/13/26 17:52	1
13C8 FOSA	91.3		40 - 130	06/12/26 14:11	06/13/26 17:52	1
d3-NMeFOSAA	90.4		40 - 170	06/12/26 14:11	06/13/26 17:52	1
d5-NEtFOSAA	87.9		25 - 135	06/12/26 14:11	06/13/26 17:52	1
13C2 4:2 FTS	100		40 - 200	06/12/26 14:11	06/13/26 17:52	1
13C2 6:2 FTS	94.4		40 - 200	06/12/26 14:11	06/13/26 17:52	1
13C2 8:2 FTS	97.3		40 - 300	06/12/26 14:11	06/13/26 17:52	1
13C3 HFPO-DA	91.9		40 - 130	06/12/26 14:11	06/13/26 17:52	1
d7-N-MeFOSE-M	71.8		10 - 130	06/12/26 14:11	06/13/26 17:52	1
d9-N-EtFOSE-M	55.8		10 - 130	06/12/26 14:11	06/13/26 17:52	1
d5-NEtPFOSA	73.2		10 - 130	06/12/26 14:11	06/13/26 17:52	1
d3-NMePFOSA	77.1		10 - 130	06/12/26 14:11	06/13/26 17:52	1
13C2 PFDoA	84.3		10 - 130	06/12/26 14:11	06/13/26 17:52	1
13C3-3:3 FTCA	99.2		20 - 150	06/12/26 14:11	06/13/26 17:52	1
13C3-5:3 FTCA	85.3		20 - 150	06/12/26 14:11	06/13/26 17:52	1
13C3-PFDoS	84.6		20 - 150	06/12/26 14:11	06/13/26 17:52	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND	cn	0.0021	0.00057	mg/L		06/09/26 04:50	06/09/26 19:52	1
Nickel	0.018	cn	0.0010	0.00041	mg/L		06/09/26 04:50	06/09/26 19:52	1
Manganese	0.11	cn	0.0021	0.00098	mg/L		06/09/26 04:50	06/09/26 19:52	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-27D

Lab Sample ID: 410-286356-18

Date Collected: 06/02/26 13:30

Matrix: Water

Date Received: 06/02/26 17:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/13/26 21:23	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/13/26 21:23	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/13/26 21:23	1
Styrene	ND		5.0	0.30	ug/L			06/13/26 21:23	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/13/26 21:23	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/13/26 21:23	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/13/26 21:23	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/13/26 21:23	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/13/26 21:23	1
Toluene	ND		1.0	0.30	ug/L			06/13/26 21:23	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/13/26 21:23	1
Cyclohexane	ND		5.0	1.0	ug/L			06/13/26 21:23	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/13/26 21:23	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/13/26 21:23	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/13/26 21:23	1
Tetrachloroethene	ND	^c cn	1.0	0.30	ug/L			06/13/26 21:23	1
cis-1,2-Dichloroethene	6.2		1.0	0.30	ug/L			06/16/26 15:00	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/13/26 21:23	1
Methyl tertiary butyl ether	5.0		1.0	0.20	ug/L			06/13/26 21:23	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/13/26 21:23	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			06/13/26 21:23	1
2-Hexanone	ND	^c cn	10	0.85	ug/L			06/13/26 21:23	1
Acetone	1.4 J		20	0.70	ug/L			06/13/26 21:23	1
Chloroform	ND		1.0	0.30	ug/L			06/13/26 21:23	1
Benzene	0.44 J		1.0	0.30	ug/L			06/13/26 21:23	1
1,1,1-Trichloroethane	ND	^c *+ cn	1.0	0.30	ug/L			06/13/26 21:23	1
Bromomethane	ND		1.0	0.30	ug/L			06/13/26 21:23	1
Chloromethane	ND	^c cn	2.0	0.55	ug/L			06/13/26 21:23	1
Chloroethane	ND		1.0	0.30	ug/L			06/13/26 21:23	1
Vinyl chloride	170		1.0	0.30	ug/L			06/13/26 21:23	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/13/26 21:23	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/13/26 21:23	1
Bromoform	ND	^c cn	4.0	1.0	ug/L			06/13/26 21:23	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/13/26 21:23	1
1,1-Dichloroethane	16		1.0	0.30	ug/L			06/13/26 21:23	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/13/26 21:23	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/13/26 21:23	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/13/26 21:23	1
Freon 113	ND	^c cn	10	0.30	ug/L			06/13/26 21:23	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/13/26 21:23	1
2-Butanone	ND	^c cn	10	1.0	ug/L			06/13/26 21:23	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/13/26 21:23	1
Trichloroethene	0.88 J		1.0	0.30	ug/L			06/16/26 15:00	1
Methyl acetate	ND		5.0	0.60	ug/L			06/13/26 21:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/13/26 21:23	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/13/26 21:23	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/13/26 21:23	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/13/26 21:23	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-27D

Lab Sample ID: 410-286356-18

Date Collected: 06/02/26 13:30

Matrix: Water

Date Received: 06/02/26 17:40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		80 - 120		06/13/26 21:23	1
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		06/16/26 15:00	1
Dibromofluoromethane (Surr)	113		80 - 120		06/13/26 21:23	1
Dibromofluoromethane (Surr)	95		80 - 120		06/16/26 15:00	1
4-Bromofluorobenzene (Surr)	94		80 - 120		06/13/26 21:23	1
4-Bromofluorobenzene (Surr)	98		80 - 120		06/16/26 15:00	1
Toluene-d8 (Surr)	90		80 - 120		06/13/26 21:23	1
Toluene-d8 (Surr)	94		80 - 120		06/16/26 15:00	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/03/26 11:32	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	6.5		2.0	1.0	mg/L			06/13/26 06:46	10

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	37		3.6	0.99	ng/L		06/12/26 14:11	06/13/26 18:32	1
Perfluoropentanoic acid (PFPeA)	140		1.8	0.54	ng/L		06/12/26 14:11	06/13/26 18:32	1
Perfluorohexanoic acid (PFHxA)	72		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 18:32	1
Perfluoroheptanoic acid (PFHpA)	50		1.8	0.72	ng/L		06/12/26 14:11	06/13/26 18:32	1
Perfluorooctanoic acid (PFOA)	35		1.8	0.81	ng/L		06/12/26 14:11	06/13/26 18:32	1
Perfluorononanoic acid (PFNA)	18		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 18:32	1
Perfluorodecanoic acid (PFDA)	0.82	J	1.8	0.45	ng/L		06/12/26 14:11	06/13/26 18:32	1
Perfluoroundecanoic acid (PFUnA)	6.1		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 18:32	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 18:32	1
Perfluorotridecanoic acid (PFTrDA)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 18:32	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 18:32	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 18:32	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 18:32	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.72	ng/L		06/12/26 14:11	06/13/26 18:32	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 18:32	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8	1.2	ng/L		06/12/26 14:11	06/13/26 18:32	1
Perfluorononanesulfonic acid (PFNS)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 18:32	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 18:32	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.54	ng/L		06/12/26 14:11	06/13/26 18:32	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	2.7	J	3.6	0.90	ng/L		06/12/26 14:11	06/13/26 18:32	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	160		3.6	0.90	ng/L		06/12/26 14:11	06/13/26 18:32	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.6	0.90	ng/L		06/12/26 14:11	06/13/26 18:32	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 18:32	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND	B cn	1.8	0.45	ng/L		06/12/26 14:11	06/13/26 18:32	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND	B cn	1.8	0.99	ng/L		06/12/26 14:11	06/13/26 18:32	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-27D

Lab Sample ID: 410-286356-18

Date Collected: 06/02/26 13:30

Matrix: Water

Date Received: 06/02/26 17:40

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 18:32	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.3	J	1.8	0.45	ng/L		06/12/26 14:11	06/13/26 18:32	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		9.0	3.6	ng/L		06/12/26 14:11	06/13/26 18:32	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND	B cn	9.0	3.6	ng/L		06/12/26 14:11	06/13/26 18:32	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.8	1.3	ng/L		06/12/26 14:11	06/13/26 18:32	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 18:32	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 18:32	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 18:32	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 18:32	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 18:32	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 18:32	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	ND		1.8	0.45	ng/L		06/12/26 14:11	06/13/26 18:32	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.6	0.90	ng/L		06/12/26 14:11	06/13/26 18:32	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	6.7	J	9.0	2.5	ng/L		06/12/26 14:11	06/13/26 18:32	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		9.0	2.3	ng/L		06/12/26 14:11	06/13/26 18:32	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	112		5 - 130	06/12/26 14:11	06/13/26 18:32	1
13C5 PFPeA	111		40 - 130	06/12/26 14:11	06/13/26 18:32	1
13C5 PFHxA	107		40 - 130	06/12/26 14:11	06/13/26 18:32	1
13C4 PFHpA	109		40 - 130	06/12/26 14:11	06/13/26 18:32	1
13C8 PFOA	102		40 - 130	06/12/26 14:11	06/13/26 18:32	1
13C9 PFNA	88.8		40 - 130	06/12/26 14:11	06/13/26 18:32	1
13C6 PFDA	68.6		40 - 130	06/12/26 14:11	06/13/26 18:32	1
13C7 PFUnA	53.8		30 - 130	06/12/26 14:11	06/13/26 18:32	1
13C2 PFTeDA	28.5		10 - 130	06/12/26 14:11	06/13/26 18:32	1
13C3 PFBS	111		40 - 135	06/12/26 14:11	06/13/26 18:32	1
13C3 PFHxS	101		40 - 130	06/12/26 14:11	06/13/26 18:32	1
13C8 PFOS	64.8		40 - 130	06/12/26 14:11	06/13/26 18:32	1
13C8 FOSA	95.1		40 - 130	06/12/26 14:11	06/13/26 18:32	1
d3-NMeFOSAA	79.3		40 - 170	06/12/26 14:11	06/13/26 18:32	1
d5-NEtFOSAA	69.4		25 - 135	06/12/26 14:11	06/13/26 18:32	1
13C2 4:2 FTS	156		40 - 200	06/12/26 14:11	06/13/26 18:32	1
13C2 6:2 FTS	127		40 - 200	06/12/26 14:11	06/13/26 18:32	1
13C2 8:2 FTS	108		40 - 300	06/12/26 14:11	06/13/26 18:32	1
13C3 HFPO-DA	105		40 - 130	06/12/26 14:11	06/13/26 18:32	1
d7-N-MeFOSE-M	44.1		10 - 130	06/12/26 14:11	06/13/26 18:32	1
d9-N-EtFOSE-M	32.0		10 - 130	06/12/26 14:11	06/13/26 18:32	1
d5-NEtPFOSA	56.7		10 - 130	06/12/26 14:11	06/13/26 18:32	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-27D

Lab Sample ID: 410-286356-18

Date Collected: 06/02/26 13:30

Matrix: Water

Date Received: 06/02/26 17:40

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d3-NMePFOSA	61.6		10 - 130	06/12/26 14:11	06/13/26 18:32	1
13C2 PFDoA	42.3		10 - 130	06/12/26 14:11	06/13/26 18:32	1
13C3-3:3 FTCA	135		20 - 150	06/12/26 14:11	06/13/26 18:32	1
13C3-5:3 FTCA	112		20 - 150	06/12/26 14:11	06/13/26 18:32	1
13C3-PFDoS	27.3		20 - 150	06/12/26 14:11	06/13/26 18:32	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.0024	cn	0.0021	0.00057	mg/L		06/09/26 04:50	06/09/26 19:48	1
Nickel	0.0047	cn	0.0010	0.00041	mg/L		06/09/26 04:50	06/09/26 19:48	1
Manganese	0.088	cn	0.0021	0.00098	mg/L		06/09/26 04:50	06/09/26 19:48	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-4

Lab Sample ID: 410-286356-19

Date Collected: 06/02/26 14:20

Matrix: Water

Date Received: 06/02/26 17:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/13/26 21:44	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/13/26 21:44	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/13/26 21:44	1
Styrene	ND		5.0	0.30	ug/L			06/13/26 21:44	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/13/26 21:44	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/13/26 21:44	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/13/26 21:44	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/13/26 21:44	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/13/26 21:44	1
Toluene	ND		1.0	0.30	ug/L			06/13/26 21:44	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/13/26 21:44	1
Cyclohexane	ND		5.0	1.0	ug/L			06/13/26 21:44	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/13/26 21:44	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/13/26 21:44	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/13/26 21:44	1
Tetrachloroethene	ND	^c cn	1.0	0.30	ug/L			06/13/26 21:44	1
cis-1,2-Dichloroethene	6.0		1.0	0.30	ug/L			06/16/26 15:20	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/13/26 21:44	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/13/26 21:44	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/13/26 21:44	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			06/13/26 21:44	1
2-Hexanone	ND	^c cn	10	0.85	ug/L			06/13/26 21:44	1
Acetone	ND		20	0.70	ug/L			06/13/26 21:44	1
Chloroform	ND		1.0	0.30	ug/L			06/13/26 21:44	1
Benzene	ND		1.0	0.30	ug/L			06/13/26 21:44	1
1,1,1-Trichloroethane	0.79	J	1.0	0.30	ug/L			06/16/26 15:20	1
Bromomethane	ND		1.0	0.30	ug/L			06/13/26 21:44	1
Chloromethane	ND	^c cn	2.0	0.55	ug/L			06/13/26 21:44	1
Chloroethane	ND		1.0	0.30	ug/L			06/13/26 21:44	1
Vinyl chloride	1.2		1.0	0.30	ug/L			06/13/26 21:44	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/13/26 21:44	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/13/26 21:44	1
Bromoform	ND	^c cn	4.0	1.0	ug/L			06/13/26 21:44	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/13/26 21:44	1
1,1-Dichloroethane	75		1.0	0.30	ug/L			06/13/26 21:44	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/13/26 21:44	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/13/26 21:44	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/13/26 21:44	1
Freon 113	ND	^c cn	10	0.30	ug/L			06/13/26 21:44	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/13/26 21:44	1
2-Butanone	ND	^c cn	10	1.0	ug/L			06/13/26 21:44	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/13/26 21:44	1
Trichloroethene	1.1		1.0	0.30	ug/L			06/16/26 15:20	1
Methyl acetate	ND		5.0	0.60	ug/L			06/13/26 21:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/13/26 21:44	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/13/26 21:44	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/13/26 21:44	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/13/26 21:44	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-4

Lab Sample ID: 410-286356-19

Date Collected: 06/02/26 14:20

Matrix: Water

Date Received: 06/02/26 17:40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		80 - 120		06/13/26 21:44	1
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		06/16/26 15:20	1
Dibromofluoromethane (Surr)	115		80 - 120		06/13/26 21:44	1
Dibromofluoromethane (Surr)	96		80 - 120		06/16/26 15:20	1
4-Bromofluorobenzene (Surr)	91		80 - 120		06/13/26 21:44	1
4-Bromofluorobenzene (Surr)	98		80 - 120		06/16/26 15:20	1
Toluene-d8 (Surr)	91		80 - 120		06/13/26 21:44	1
Toluene-d8 (Surr)	95		80 - 120		06/16/26 15:20	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	14		3.4	0.92	ng/L		06/12/26 14:58	06/13/26 05:56	1
Perfluoropentanoic acid (PFPeA)	15		1.7	0.50	ng/L		06/12/26 14:58	06/13/26 05:56	1
Perfluorohexanoic acid (PFHxA)	9.0		1.7	0.42	ng/L		06/12/26 14:58	06/13/26 05:56	1
Perfluoroheptanoic acid (PFHpA)	3.9		1.7	0.67	ng/L		06/12/26 14:58	06/13/26 05:56	1
Perfluorooctanoic acid (PFOA)	5.3		1.7	0.76	ng/L		06/12/26 14:58	06/13/26 05:56	1
Perfluorononanoic acid (PFNA)	2.2		1.7	0.42	ng/L		06/12/26 14:58	06/13/26 05:56	1
Perfluorodecanoic acid (PFDA)	ND		1.7	0.42	ng/L		06/12/26 14:58	06/13/26 05:56	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.42	ng/L		06/12/26 14:58	06/13/26 05:56	1
Perfluorododecanoic acid (PFDoA)	ND		1.7	0.42	ng/L		06/12/26 14:58	06/13/26 05:56	1
Perfluorotridecanoic acid (PFTrDA)	ND		1.7	0.42	ng/L		06/12/26 14:58	06/13/26 05:56	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.7	0.42	ng/L		06/12/26 14:58	06/13/26 05:56	1
Perfluorobutanesulfonic acid (PFBS)	0.47 J		1.7	0.42	ng/L		06/12/26 14:58	06/13/26 05:56	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.7	0.42	ng/L		06/12/26 14:58	06/13/26 05:56	1
Perfluorohexanesulfonic acid (PFHxS)	0.79 J		1.7	0.67	ng/L		06/12/26 14:58	06/13/26 05:56	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.7	0.42	ng/L		06/12/26 14:58	06/13/26 05:56	1
Perfluorooctanesulfonic acid (PFOS)	1.3 J		1.7	1.1	ng/L		06/12/26 14:58	06/13/26 05:56	1
Perfluorononanesulfonic acid (PFNS)	ND		1.7	0.42	ng/L		06/12/26 14:58	06/13/26 05:56	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.42	ng/L		06/12/26 14:58	06/13/26 05:56	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.7	0.50	ng/L		06/12/26 14:58	06/13/26 05:56	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.4	0.84	ng/L		06/12/26 14:58	06/13/26 05:56	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	6.8		3.4	0.84	ng/L		06/12/26 14:58	06/13/26 05:56	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.4	0.84	ng/L		06/12/26 14:58	06/13/26 05:56	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.7	0.42	ng/L		06/12/26 14:58	06/13/26 05:56	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.42 J		1.7	0.42	ng/L		06/12/26 14:58	06/13/26 05:56	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.7	0.92	ng/L		06/12/26 14:58	06/13/26 05:56	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.7	0.42	ng/L		06/12/26 14:58	06/13/26 05:56	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.7	0.42	ng/L		06/12/26 14:58	06/13/26 05:56	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.4	3.4	ng/L		06/12/26 14:58	06/13/26 05:56	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-4

Lab Sample ID: 410-286356-19

Date Collected: 06/02/26 14:20

Matrix: Water

Date Received: 06/02/26 17:40

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctane sulfonamidoethanol (NETFOSE)	ND		8.4	3.4	ng/L		06/12/26 14:58	06/13/26 05:56	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.7	1.2	ng/L		06/12/26 14:58	06/13/26 05:56	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.7	0.42	ng/L		06/12/26 14:58	06/13/26 05:56	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.7	0.42	ng/L		06/12/26 14:58	06/13/26 05:56	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.7	0.42	ng/L		06/12/26 14:58	06/13/26 05:56	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	B cn	1.7	0.42	ng/L		06/12/26 14:58	06/13/26 05:56	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.7	0.42	ng/L		06/12/26 14:58	06/13/26 05:56	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.7	0.42	ng/L		06/12/26 14:58	06/13/26 05:56	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.7	0.42	ng/L		06/12/26 14:58	06/13/26 05:56	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.4	0.84	ng/L		06/12/26 14:58	06/13/26 05:56	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND	*+ cn	8.4	2.4	ng/L		06/12/26 14:58	06/13/26 05:56	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	2.6	J	8.4	2.1	ng/L		06/12/26 14:58	06/13/26 05:56	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	77.1		5 - 130	06/12/26 14:58	06/13/26 05:56	1
13C5 PFPeA	56.7		40 - 130	06/12/26 14:58	06/13/26 05:56	1
13C5 PFHxA	65.7		40 - 130	06/12/26 14:58	06/13/26 05:56	1
13C4 PFHpA	73.0		40 - 130	06/12/26 14:58	06/13/26 05:56	1
13C8 PFOA	83.4		40 - 130	06/12/26 14:58	06/13/26 05:56	1
13C9 PFNA	78.0		40 - 130	06/12/26 14:58	06/13/26 05:56	1
13C6 PFDA	73.6		40 - 130	06/12/26 14:58	06/13/26 05:56	1
13C7 PFUnA	82.1		30 - 130	06/12/26 14:58	06/13/26 05:56	1
13C2 PFTeDA	66.3		10 - 130	06/12/26 14:58	06/13/26 05:56	1
13C3 PFBS	77.9		40 - 135	06/12/26 14:58	06/13/26 05:56	1
13C3 PFHxS	82.3		40 - 130	06/12/26 14:58	06/13/26 05:56	1
13C8 PFOS	80.2		40 - 130	06/12/26 14:58	06/13/26 05:56	1
13C8 FOSA	78.6		40 - 130	06/12/26 14:58	06/13/26 05:56	1
d3-NMeFOSAA	85.5		40 - 170	06/12/26 14:58	06/13/26 05:56	1
d5-NEtFOSAA	83.5		25 - 135	06/12/26 14:58	06/13/26 05:56	1
13C2 4:2 FTS	224	*5+ cn	40 - 200	06/12/26 14:58	06/13/26 05:56	1
13C2 6:2 FTS	184		40 - 200	06/12/26 14:58	06/13/26 05:56	1
13C2 8:2 FTS	132		40 - 300	06/12/26 14:58	06/13/26 05:56	1
13C3 HFPO-DA	59.8		40 - 130	06/12/26 14:58	06/13/26 05:56	1
d7-N-MeFOSE-M	68.2		10 - 130	06/12/26 14:58	06/13/26 05:56	1
d9-N-EtFOSE-M	52.1		10 - 130	06/12/26 14:58	06/13/26 05:56	1
d5-NEtPFOSA	69.7		10 - 130	06/12/26 14:58	06/13/26 05:56	1
d3-NMePFOSA	68.7		10 - 130	06/12/26 14:58	06/13/26 05:56	1
13C2 PFDoA	80.4		10 - 130	06/12/26 14:58	06/13/26 05:56	1
13C3-3:3 FTCA	74.3		20 - 150	06/12/26 14:58	06/13/26 05:56	1
13C3-5:3 FTCA	101		20 - 150	06/12/26 14:58	06/13/26 05:56	1
13C3-PFDoS	69.9		20 - 150	06/12/26 14:58	06/13/26 05:56	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-5

Lab Sample ID: 410-286356-20

Date Collected: 06/02/26 14:40

Matrix: Water

Date Received: 06/02/26 17:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/13/26 22:04	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/13/26 22:04	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/13/26 22:04	1
Styrene	ND		5.0	0.30	ug/L			06/13/26 22:04	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/13/26 22:04	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/13/26 22:04	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/13/26 22:04	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/13/26 22:04	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/13/26 22:04	1
Toluene	ND		1.0	0.30	ug/L			06/13/26 22:04	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/13/26 22:04	1
Cyclohexane	ND		5.0	1.0	ug/L			06/13/26 22:04	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/13/26 22:04	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/13/26 22:04	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/13/26 22:04	1
Tetrachloroethene	ND	^c cn	1.0	0.30	ug/L			06/13/26 22:04	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/13/26 22:04	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/13/26 22:04	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/13/26 22:04	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/13/26 22:04	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			06/13/26 22:04	1
2-Hexanone	ND	^c cn	10	0.85	ug/L			06/13/26 22:04	1
Acetone	1.3	J	20	0.70	ug/L			06/13/26 22:04	1
Chloroform	ND		1.0	0.30	ug/L			06/13/26 22:04	1
Benzene	ND		1.0	0.30	ug/L			06/13/26 22:04	1
1,1,1-Trichloroethane	ND	^c *+ cn	1.0	0.30	ug/L			06/13/26 22:04	1
Bromomethane	ND		1.0	0.30	ug/L			06/13/26 22:04	1
Chloromethane	ND	^c cn	2.0	0.55	ug/L			06/13/26 22:04	1
Chloroethane	ND		1.0	0.30	ug/L			06/13/26 22:04	1
Vinyl chloride	0.66	J	1.0	0.30	ug/L			06/13/26 22:04	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/13/26 22:04	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/13/26 22:04	1
Bromoform	ND	^c cn	4.0	1.0	ug/L			06/13/26 22:04	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/13/26 22:04	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/13/26 22:04	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/13/26 22:04	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/13/26 22:04	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/13/26 22:04	1
Freon 113	ND	^c cn	10	0.30	ug/L			06/13/26 22:04	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/13/26 22:04	1
2-Butanone	ND	^c cn	10	1.0	ug/L			06/13/26 22:04	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/13/26 22:04	1
Trichloroethene	ND		1.0	0.30	ug/L			06/13/26 22:04	1
Methyl acetate	ND		5.0	0.60	ug/L			06/13/26 22:04	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/13/26 22:04	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/13/26 22:04	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/13/26 22:04	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/13/26 22:04	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-5

Lab Sample ID: 410-286356-20

Date Collected: 06/02/26 14:40

Matrix: Water

Date Received: 06/02/26 17:40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		80 - 120		06/13/26 22:04	1
Dibromofluoromethane (Surr)	113		80 - 120		06/13/26 22:04	1
4-Bromofluorobenzene (Surr)	92		80 - 120		06/13/26 22:04	1
Toluene-d8 (Surr)	90		80 - 120		06/13/26 22:04	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/03/26 12:10	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	5.8		2.0	1.0	mg/L			06/13/26 07:11	10

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		3.3	0.91	ng/L		06/12/26 14:58	06/13/26 06:10	1
Perfluoropentanoic acid (PFPeA)	19		1.7	0.50	ng/L		06/12/26 14:58	06/13/26 06:10	1
Perfluorohexanoic acid (PFHxA)	23		1.7	0.41	ng/L		06/12/26 14:58	06/13/26 06:10	1
Perfluoroheptanoic acid (PFHpA)	14		1.7	0.66	ng/L		06/12/26 14:58	06/13/26 06:10	1
Perfluorooctanoic acid (PFOA)	30 I cn		1.7	0.74	ng/L		06/12/26 14:58	06/13/26 06:10	1
Perfluorononanoic acid (PFNA)	2.1		1.7	0.41	ng/L		06/12/26 14:58	06/13/26 06:10	1
Perfluorodecanoic acid (PFDA)	ND		1.7	0.41	ng/L		06/12/26 14:58	06/13/26 06:10	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.41	ng/L		06/12/26 14:58	06/13/26 06:10	1
Perfluorododecanoic acid (PFDoA)	ND		1.7	0.41	ng/L		06/12/26 14:58	06/13/26 06:10	1
Perfluorotridecanoic acid (PFTriDA)	ND		1.7	0.41	ng/L		06/12/26 14:58	06/13/26 06:10	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.7	0.41	ng/L		06/12/26 14:58	06/13/26 06:10	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.7	0.41	ng/L		06/12/26 14:58	06/13/26 06:10	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.7	0.41	ng/L		06/12/26 14:58	06/13/26 06:10	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.7	0.66	ng/L		06/12/26 14:58	06/13/26 06:10	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.7	0.41	ng/L		06/12/26 14:58	06/13/26 06:10	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.7	1.1	ng/L		06/12/26 14:58	06/13/26 06:10	1
Perfluorononanesulfonic acid (PFNS)	ND		1.7	0.41	ng/L		06/12/26 14:58	06/13/26 06:10	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.41	ng/L		06/12/26 14:58	06/13/26 06:10	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.7	0.50	ng/L		06/12/26 14:58	06/13/26 06:10	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.3	0.83	ng/L		06/12/26 14:58	06/13/26 06:10	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	22		3.3	0.83	ng/L		06/12/26 14:58	06/13/26 06:10	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	1.9 J		3.3	0.83	ng/L		06/12/26 14:58	06/13/26 06:10	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.7	0.41	ng/L		06/12/26 14:58	06/13/26 06:10	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.7	0.41	ng/L		06/12/26 14:58	06/13/26 06:10	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.7	0.91	ng/L		06/12/26 14:58	06/13/26 06:10	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.7	0.41	ng/L		06/12/26 14:58	06/13/26 06:10	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.7	0.41	ng/L		06/12/26 14:58	06/13/26 06:10	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-5

Lab Sample ID: 410-286356-20

Date Collected: 06/02/26 14:40

Matrix: Water

Date Received: 06/02/26 17:40

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.3	3.3	ng/L		06/12/26 14:58	06/13/26 06:10	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.3	3.3	ng/L		06/12/26 14:58	06/13/26 06:10	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.7	1.2	ng/L		06/12/26 14:58	06/13/26 06:10	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.7	0.41	ng/L		06/12/26 14:58	06/13/26 06:10	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.7	0.41	ng/L		06/12/26 14:58	06/13/26 06:10	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.7	0.41	ng/L		06/12/26 14:58	06/13/26 06:10	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	B cn	1.7	0.41	ng/L		06/12/26 14:58	06/13/26 06:10	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		1.7	0.41	ng/L		06/12/26 14:58	06/13/26 06:10	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.7	0.41	ng/L		06/12/26 14:58	06/13/26 06:10	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.7	0.41	ng/L		06/12/26 14:58	06/13/26 06:10	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.3	0.83	ng/L		06/12/26 14:58	06/13/26 06:10	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND	*+ cn	8.3	2.3	ng/L		06/12/26 14:58	06/13/26 06:10	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.3	2.1	ng/L		06/12/26 14:58	06/13/26 06:10	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	80.2		5 - 130	06/12/26 14:58	06/13/26 06:10	1
13C5 PFPeA	41.3		40 - 130	06/12/26 14:58	06/13/26 06:10	1
13C5 PFHxA	50.7		40 - 130	06/12/26 14:58	06/13/26 06:10	1
13C4 PFHpA	56.4		40 - 130	06/12/26 14:58	06/13/26 06:10	1
13C8 PFOA	73.5		40 - 130	06/12/26 14:58	06/13/26 06:10	1
13C9 PFNA	71.8		40 - 130	06/12/26 14:58	06/13/26 06:10	1
13C6 PFDA	52.2		40 - 130	06/12/26 14:58	06/13/26 06:10	1
13C7 PFUnA	47.6		30 - 130	06/12/26 14:58	06/13/26 06:10	1
13C2 PFTeDA	28.4		10 - 130	06/12/26 14:58	06/13/26 06:10	1
13C3 PFBS	85.4		40 - 135	06/12/26 14:58	06/13/26 06:10	1
13C3 PFHxS	75.2		40 - 130	06/12/26 14:58	06/13/26 06:10	1
13C8 PFOS	59.2		40 - 130	06/12/26 14:58	06/13/26 06:10	1
13C8 FOSA	76.8		40 - 130	06/12/26 14:58	06/13/26 06:10	1
d3-NMeFOSAA	85.1		40 - 170	06/12/26 14:58	06/13/26 06:10	1
d5-NEtFOSAA	85.3		25 - 135	06/12/26 14:58	06/13/26 06:10	1
13C2 4:2 FTS	296	*5+ cn	40 - 200	06/12/26 14:58	06/13/26 06:10	1
13C2 6:2 FTS	268	*5+ cn	40 - 200	06/12/26 14:58	06/13/26 06:10	1
13C2 8:2 FTS	188		40 - 300	06/12/26 14:58	06/13/26 06:10	1
13C3 HFPO-DA	47.4		40 - 130	06/12/26 14:58	06/13/26 06:10	1
d7-N-MeFOSE-M	23.0		10 - 130	06/12/26 14:58	06/13/26 06:10	1
d9-N-EtFOSE-M	14.6		10 - 130	06/12/26 14:58	06/13/26 06:10	1
d5-NEtPFOSA	34.4		10 - 130	06/12/26 14:58	06/13/26 06:10	1
d3-NMePFOSA	38.8		10 - 130	06/12/26 14:58	06/13/26 06:10	1
13C2 PFDaA	42.4		10 - 130	06/12/26 14:58	06/13/26 06:10	1
13C3-3:3 FTCA	45.2		20 - 150	06/12/26 14:58	06/13/26 06:10	1

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Job ID: 410-286356-1

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Date Collected: 06/02/26 14:40

Matrix: Water

Date Received: 06/02/26 17:40

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-5:3 FTCA	100		20 - 150	06/12/26 14:58	06/13/26 06:10	1
13C3-PFDoS	30.6		20 - 150	06/12/26 14:58	06/13/26 06:10	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.00073	J cn	0.0021	0.00057	mg/L		06/09/26 04:50	06/09/26 19:56	1
Nickel	0.019	cn	0.0010	0.00041	mg/L		06/09/26 04:50	06/09/26 19:56	1
Manganese	0.23	cn	0.0021	0.00098	mg/L		06/09/26 04:50	06/09/26 19:56	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-75A

Lab Sample ID: 410-286356-21

Date Collected: 06/02/26 15:15

Matrix: Water

Date Received: 06/02/26 17:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		500	250	ug/L			06/15/26 16:21	500
trans-1,3-Dichloropropene	ND		500	100	ug/L			06/15/26 16:21	500
Ethylbenzene	ND		500	200	ug/L			06/15/26 16:21	500
Styrene	ND		2500	150	ug/L			06/15/26 16:21	500
1,4-Dichlorobenzene	ND		2500	150	ug/L			06/15/26 16:21	500
1,2-Dibromoethane	ND		500	100	ug/L			06/15/26 16:21	500
1,2-Dichloroethane	ND		500	150	ug/L			06/15/26 16:21	500
4-Methyl-2-pentanone	ND		5000	250	ug/L			06/15/26 16:21	500
Methylcyclohexane	ND		2500	250	ug/L			06/15/26 16:21	500
Toluene	ND		500	150	ug/L			06/15/26 16:21	500
Chlorobenzene	ND		500	150	ug/L			06/15/26 16:21	500
Cyclohexane	ND		2500	500	ug/L			06/15/26 16:21	500
1,2,4-Trichlorobenzene	ND		2500	150	ug/L			06/15/26 16:21	500
Dibromochloromethane	ND		500	100	ug/L			06/15/26 16:21	500
Xylenes, Total	ND		500	200	ug/L			06/15/26 16:21	500
Tetrachloroethene	1300		500	150	ug/L			06/15/26 16:21	500
cis-1,2-Dichloroethene	520		500	150	ug/L			06/15/26 16:21	500
trans-1,2-Dichloroethene	ND		1000	350	ug/L			06/15/26 16:21	500
Methyl tertiary butyl ether	ND		500	100	ug/L			06/15/26 16:21	500
1,3-Dichlorobenzene	ND		2500	340	ug/L			06/15/26 16:21	500
Carbon tetrachloride	ND		500	150	ug/L			06/15/26 16:21	500
2-Hexanone	ND		5000	430	ug/L			06/15/26 16:21	500
Acetone	ND		10000	350	ug/L			06/15/26 16:21	500
Chloroform	ND		500	150	ug/L			06/15/26 16:21	500
Benzene	ND		500	150	ug/L			06/15/26 16:21	500
1,1,1-Trichloroethane	ND		500	150	ug/L			06/15/26 16:21	500
Bromomethane	ND		500	150	ug/L			06/15/26 16:21	500
Chloromethane	ND		1000	280	ug/L			06/15/26 16:21	500
Chloroethane	ND		500	150	ug/L			06/15/26 16:21	500
Vinyl chloride	ND		500	150	ug/L			06/15/26 16:21	500
Methylene Chloride	ND		500	150	ug/L			06/15/26 16:21	500
Carbon disulfide	ND		2500	150	ug/L			06/15/26 16:21	500
Bromoform	ND		2000	500	ug/L			06/15/26 16:21	500
Bromodichloromethane	ND		500	100	ug/L			06/15/26 16:21	500
1,1-Dichloroethane	ND		500	150	ug/L			06/15/26 16:21	500
1,1-Dichloroethene	ND		500	150	ug/L			06/15/26 16:21	500
Trichlorofluoromethane	ND		500	150	ug/L			06/15/26 16:21	500
Dichlorodifluoromethane	ND		500	150	ug/L			06/15/26 16:21	500
Freon 113	ND		5000	150	ug/L			06/15/26 16:21	500
1,2-Dichloropropane	ND		500	150	ug/L			06/15/26 16:21	500
2-Butanone	ND		5000	500	ug/L			06/15/26 16:21	500
1,1,2-Trichloroethane	ND		500	150	ug/L			06/15/26 16:21	500
Methyl acetate	ND		2500	300	ug/L			06/15/26 16:21	500
1,1,2,2-Tetrachloroethane	ND		500	150	ug/L			06/15/26 16:21	500
1,2-Dichlorobenzene	ND		2500	100	ug/L			06/15/26 16:21	500
1,2-Dibromo-3-Chloropropane	ND		2500	150	ug/L			06/15/26 16:21	500
Isopropylbenzene	ND		2500	150	ug/L			06/15/26 16:21	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120		06/15/26 16:21	500

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Job ID: 410-286356-1

Client Sample ID: MW-75A

Lab Sample ID: 410-286356-21

Date Collected: 06/02/26 15:15

Matrix: Water

Date Received: 06/02/26 17:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	93		80 - 120		06/15/26 16:21	500
4-Bromofluorobenzene (Surr)	95		80 - 120		06/15/26 16:21	500
Toluene-d8 (Surr)	97		80 - 120		06/15/26 16:21	500

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	450000		5000	1500	ug/L			06/15/26 16:40	5000
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		80 - 120					06/15/26 16:40	5000
Dibromofluoromethane (Surr)	94		80 - 120					06/15/26 16:40	5000
4-Bromofluorobenzene (Surr)	97		80 - 120					06/15/26 16:40	5000
Toluene-d8 (Surr)	96		80 - 120					06/15/26 16:40	5000

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/03/26 12:33	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.39		0.20	0.10	mg/L			06/13/26 07:23	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	5.5		3.2	0.89	ng/L		06/12/26 14:58	06/13/26 06:23	1
Perfluoropentanoic acid (PFPeA)	13		1.6	0.49	ng/L		06/12/26 14:58	06/13/26 06:23	1
Perfluorohexanoic acid (PFHxA)	5.4		1.6	0.41	ng/L		06/12/26 14:58	06/13/26 06:23	1
Perfluoroheptanoic acid (PFHpA)	1.7		1.6	0.65	ng/L		06/12/26 14:58	06/13/26 06:23	1
Perfluorooctanoic acid (PFOA)	1.4 J		1.6	0.73	ng/L		06/12/26 14:58	06/13/26 06:23	1
Perfluorononanoic acid (PFNA)	ND		1.6	0.41	ng/L		06/12/26 14:58	06/13/26 06:23	1
Perfluorodecanoic acid (PFDA)	ND		1.6	0.41	ng/L		06/12/26 14:58	06/13/26 06:23	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.41	ng/L		06/12/26 14:58	06/13/26 06:23	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.41	ng/L		06/12/26 14:58	06/13/26 06:23	1
Perfluorotridecanoic acid (PFTTrDA)	ND		1.6	0.41	ng/L		06/12/26 14:58	06/13/26 06:23	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.6	0.41	ng/L		06/12/26 14:58	06/13/26 06:23	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.6	0.41	ng/L		06/12/26 14:58	06/13/26 06:23	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.6	0.41	ng/L		06/12/26 14:58	06/13/26 06:23	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.6	0.65	ng/L		06/12/26 14:58	06/13/26 06:23	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.6	0.41	ng/L		06/12/26 14:58	06/13/26 06:23	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.6	1.1	ng/L		06/12/26 14:58	06/13/26 06:23	1
Perfluorononanesulfonic acid (PFNS)	ND		1.6	0.41	ng/L		06/12/26 14:58	06/13/26 06:23	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.41	ng/L		06/12/26 14:58	06/13/26 06:23	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.6	0.49	ng/L		06/12/26 14:58	06/13/26 06:23	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.2	0.81	ng/L		06/12/26 14:58	06/13/26 06:23	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	2.0 J		3.2	0.81	ng/L		06/12/26 14:58	06/13/26 06:23	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.2	0.81	ng/L		06/12/26 14:58	06/13/26 06:23	1

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Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-75A

Lab Sample ID: 410-286356-21

Date Collected: 06/02/26 15:15

Matrix: Water

Date Received: 06/02/26 17:40

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonamide (PFOSA)	ND		1.6	0.41	ng/L		06/12/26 14:58	06/13/26 06:23	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.6	0.41	ng/L		06/12/26 14:58	06/13/26 06:23	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.6	0.89	ng/L		06/12/26 14:58	06/13/26 06:23	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.6	0.41	ng/L		06/12/26 14:58	06/13/26 06:23	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.6	0.41	ng/L		06/12/26 14:58	06/13/26 06:23	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.1	3.2	ng/L		06/12/26 14:58	06/13/26 06:23	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.1	3.2	ng/L		06/12/26 14:58	06/13/26 06:23	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.6	1.1	ng/L		06/12/26 14:58	06/13/26 06:23	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.6	0.41	ng/L		06/12/26 14:58	06/13/26 06:23	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.6	0.41	ng/L		06/12/26 14:58	06/13/26 06:23	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.6	0.41	ng/L		06/12/26 14:58	06/13/26 06:23	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	B cn	1.6	0.41	ng/L		06/12/26 14:58	06/13/26 06:23	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.6	0.41	ng/L		06/12/26 14:58	06/13/26 06:23	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.6	0.41	ng/L		06/12/26 14:58	06/13/26 06:23	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.6	0.41	ng/L		06/12/26 14:58	06/13/26 06:23	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.2	0.81	ng/L		06/12/26 14:58	06/13/26 06:23	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND	*+ cn	8.1	2.3	ng/L		06/12/26 14:58	06/13/26 06:23	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.1	2.0	ng/L		06/12/26 14:58	06/13/26 06:23	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	81.4		5 - 130	06/12/26 14:58	06/13/26 06:23	1
13C5 PFPeA	91.8		40 - 130	06/12/26 14:58	06/13/26 06:23	1
13C5 PFHxA	84.5		40 - 130	06/12/26 14:58	06/13/26 06:23	1
13C4 PFHpA	84.6		40 - 130	06/12/26 14:58	06/13/26 06:23	1
13C8 PFOA	77.9		40 - 130	06/12/26 14:58	06/13/26 06:23	1
13C9 PFNA	76.3		40 - 130	06/12/26 14:58	06/13/26 06:23	1
13C6 PFDA	68.3		40 - 130	06/12/26 14:58	06/13/26 06:23	1
13C7 PFUnA	79.0		30 - 130	06/12/26 14:58	06/13/26 06:23	1
13C2 PFTeDA	65.8		10 - 130	06/12/26 14:58	06/13/26 06:23	1
13C3 PFBS	81.7		40 - 135	06/12/26 14:58	06/13/26 06:23	1
13C3 PFHxS	78.4		40 - 130	06/12/26 14:58	06/13/26 06:23	1
13C8 PFOS	73.6		40 - 130	06/12/26 14:58	06/13/26 06:23	1
13C8 FOSA	70.4		40 - 130	06/12/26 14:58	06/13/26 06:23	1
d3-NMeFOSAA	73.3		40 - 170	06/12/26 14:58	06/13/26 06:23	1
d5-NEtFOSAA	72.2		25 - 135	06/12/26 14:58	06/13/26 06:23	1
13C2 4:2 FTS	99.0		40 - 200	06/12/26 14:58	06/13/26 06:23	1
13C2 6:2 FTS	96.2		40 - 200	06/12/26 14:58	06/13/26 06:23	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
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Job ID: 410-286356-1

Client Sample ID: MW-75A

Lab Sample ID: 410-286356-21

Date Collected: 06/02/26 15:15

Matrix: Water

Date Received: 06/02/26 17:40

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 8:2 FTS	91.2		40 - 300	06/12/26 14:58	06/13/26 06:23	1
13C3 HFPO-DA	82.2		40 - 130	06/12/26 14:58	06/13/26 06:23	1
d7-N-MeFOSE-M	60.5		10 - 130	06/12/26 14:58	06/13/26 06:23	1
d9-N-EtFOSE-M	53.9		10 - 130	06/12/26 14:58	06/13/26 06:23	1
d5-NEtPFOSA	58.1		10 - 130	06/12/26 14:58	06/13/26 06:23	1
d3-NMePFOSA	65.6		10 - 130	06/12/26 14:58	06/13/26 06:23	1
13C2 PFDoA	83.6		10 - 130	06/12/26 14:58	06/13/26 06:23	1
13C3-3:3 FTCA	80.6		20 - 150	06/12/26 14:58	06/13/26 06:23	1
13C3-5:3 FTCA	77.8		20 - 150	06/12/26 14:58	06/13/26 06:23	1
13C3-PFDoS	65.4		20 - 150	06/12/26 14:58	06/13/26 06:23	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND	cn	0.0021	0.00057	mg/L		06/09/26 04:50	06/09/26 19:50	1
Nickel	ND	cn	0.0010	0.00041	mg/L		06/09/26 04:50	06/09/26 19:50	1
Manganese	0.042	cn	0.0021	0.00098	mg/L		06/09/26 04:50	06/09/26 19:50	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-75B

Lab Sample ID: 410-286356-22

Date Collected: 06/02/26 15:30

Matrix: Water

Date Received: 06/02/26 17:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		500	250	ug/L			06/15/26 17:00	500
trans-1,3-Dichloropropene	ND		500	100	ug/L			06/15/26 17:00	500
Ethylbenzene	ND		500	200	ug/L			06/15/26 17:00	500
Styrene	ND		2500	150	ug/L			06/15/26 17:00	500
1,4-Dichlorobenzene	ND		2500	150	ug/L			06/15/26 17:00	500
1,2-Dibromoethane	ND		500	100	ug/L			06/15/26 17:00	500
1,2-Dichloroethane	ND		500	150	ug/L			06/15/26 17:00	500
4-Methyl-2-pentanone	ND		5000	250	ug/L			06/15/26 17:00	500
Methylcyclohexane	ND		2500	250	ug/L			06/15/26 17:00	500
Toluene	ND		500	150	ug/L			06/15/26 17:00	500
Chlorobenzene	ND		500	150	ug/L			06/15/26 17:00	500
Cyclohexane	ND		2500	500	ug/L			06/15/26 17:00	500
1,2,4-Trichlorobenzene	ND		2500	150	ug/L			06/15/26 17:00	500
Dibromochloromethane	ND		500	100	ug/L			06/15/26 17:00	500
Xylenes, Total	ND		500	200	ug/L			06/15/26 17:00	500
Tetrachloroethene	1000		500	150	ug/L			06/15/26 17:00	500
cis-1,2-Dichloroethene	3500		500	150	ug/L			06/15/26 17:00	500
trans-1,2-Dichloroethene	ND		1000	350	ug/L			06/15/26 17:00	500
Methyl tertiary butyl ether	ND		500	100	ug/L			06/15/26 17:00	500
1,3-Dichlorobenzene	ND		2500	340	ug/L			06/15/26 17:00	500
Carbon tetrachloride	ND		500	150	ug/L			06/15/26 17:00	500
2-Hexanone	ND		5000	430	ug/L			06/15/26 17:00	500
Acetone	ND		10000	350	ug/L			06/15/26 17:00	500
Chloroform	ND		500	150	ug/L			06/15/26 17:00	500
Benzene	ND		500	150	ug/L			06/15/26 17:00	500
1,1,1-Trichloroethane	360 J		500	150	ug/L			06/15/26 17:00	500
Bromomethane	ND		500	150	ug/L			06/15/26 17:00	500
Chloromethane	ND		1000	280	ug/L			06/15/26 17:00	500
Chloroethane	ND		500	150	ug/L			06/15/26 17:00	500
Vinyl chloride	ND		500	150	ug/L			06/15/26 17:00	500
Methylene Chloride	ND		500	150	ug/L			06/15/26 17:00	500
Carbon disulfide	ND		2500	150	ug/L			06/15/26 17:00	500
Bromoform	ND		2000	500	ug/L			06/15/26 17:00	500
Bromodichloromethane	ND		500	100	ug/L			06/15/26 17:00	500
1,1-Dichloroethane	ND		500	150	ug/L			06/15/26 17:00	500
1,1-Dichloroethene	ND		500	150	ug/L			06/15/26 17:00	500
Trichlorofluoromethane	ND		500	150	ug/L			06/15/26 17:00	500
Dichlorodifluoromethane	ND		500	150	ug/L			06/15/26 17:00	500
Freon 113	ND		5000	150	ug/L			06/15/26 17:00	500
1,2-Dichloropropane	ND		500	150	ug/L			06/15/26 17:00	500
2-Butanone	ND		5000	500	ug/L			06/15/26 17:00	500
1,1,2-Trichloroethane	ND		500	150	ug/L			06/15/26 17:00	500
Methyl acetate	ND		2500	300	ug/L			06/15/26 17:00	500
1,1,2,2-Tetrachloroethane	ND		500	150	ug/L			06/15/26 17:00	500
1,2-Dichlorobenzene	ND		2500	100	ug/L			06/15/26 17:00	500
1,2-Dibromo-3-Chloropropane	ND		2500	150	ug/L			06/15/26 17:00	500
Isopropylbenzene	ND		2500	150	ug/L			06/15/26 17:00	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		06/15/26 17:00	500

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-75B

Lab Sample ID: 410-286356-22

Date Collected: 06/02/26 15:30

Matrix: Water

Date Received: 06/02/26 17:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	94		80 - 120		06/15/26 17:00	500
4-Bromofluorobenzene (Surr)	96		80 - 120		06/15/26 17:00	500
Toluene-d8 (Surr)	99		80 - 120		06/15/26 17:00	500

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	790000		5000	1500	ug/L			06/15/26 17:19	5000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		80 - 120		06/15/26 17:19	5000
Dibromofluoromethane (Surr)	95		80 - 120		06/15/26 17:19	5000
4-Bromofluorobenzene (Surr)	95		80 - 120		06/15/26 17:19	5000
Toluene-d8 (Surr)	96		80 - 120		06/15/26 17:19	5000

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/03/26 12:41	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.38		0.20	0.10	mg/L			06/13/26 07:48	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	15		3.4	0.94	ng/L		06/12/26 14:58	06/13/26 06:37	1
Perfluoropentanoic acid (PFPeA)	30		1.7	0.51	ng/L		06/12/26 14:58	06/13/26 06:37	1
Perfluorohexanoic acid (PFHxA)	19		1.7	0.43	ng/L		06/12/26 14:58	06/13/26 06:37	1
Perfluoroheptanoic acid (PFHpA)	12		1.7	0.69	ng/L		06/12/26 14:58	06/13/26 06:37	1
Perfluorooctanoic acid (PFOA)	16		1.7	0.77	ng/L		06/12/26 14:58	06/13/26 06:37	1
Perfluorononanoic acid (PFNA)	2.0		1.7	0.43	ng/L		06/12/26 14:58	06/13/26 06:37	1
Perfluorodecanoic acid (PFDA)	0.63	J	1.7	0.43	ng/L		06/12/26 14:58	06/13/26 06:37	1
Perfluoroundecanoic acid (PFUnA)	ND	I cn	1.7	0.43	ng/L		06/12/26 14:58	06/13/26 06:37	1
Perfluorododecanoic acid (PFDoA)	ND		1.7	0.43	ng/L		06/12/26 14:58	06/13/26 06:37	1
Perfluorotridecanoic acid (PFTTrDA)	ND		1.7	0.43	ng/L		06/12/26 14:58	06/13/26 06:37	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.7	0.43	ng/L		06/12/26 14:58	06/13/26 06:37	1
Perfluorobutanesulfonic acid (PFBS)	0.61	J	1.7	0.43	ng/L		06/12/26 14:58	06/13/26 06:37	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.7	0.43	ng/L		06/12/26 14:58	06/13/26 06:37	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.7	0.69	ng/L		06/12/26 14:58	06/13/26 06:37	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.7	0.43	ng/L		06/12/26 14:58	06/13/26 06:37	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.7	1.1	ng/L		06/12/26 14:58	06/13/26 06:37	1
Perfluorononanesulfonic acid (PFNS)	ND		1.7	0.43	ng/L		06/12/26 14:58	06/13/26 06:37	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.43	ng/L		06/12/26 14:58	06/13/26 06:37	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.7	0.51	ng/L		06/12/26 14:58	06/13/26 06:37	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.4	0.86	ng/L		06/12/26 14:58	06/13/26 06:37	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	24		3.4	0.86	ng/L		06/12/26 14:58	06/13/26 06:37	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-75B

Lab Sample ID: 410-286356-22

Date Collected: 06/02/26 15:30

Matrix: Water

Date Received: 06/02/26 17:40

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.4	0.86	ng/L		06/12/26 14:58	06/13/26 06:37	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.7	0.43	ng/L		06/12/26 14:58	06/13/26 06:37	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.7	0.43	ng/L		06/12/26 14:58	06/13/26 06:37	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.7	0.94	ng/L		06/12/26 14:58	06/13/26 06:37	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.7	0.43	ng/L		06/12/26 14:58	06/13/26 06:37	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.7	0.43	ng/L		06/12/26 14:58	06/13/26 06:37	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.6	3.4	ng/L		06/12/26 14:58	06/13/26 06:37	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.6	3.4	ng/L		06/12/26 14:58	06/13/26 06:37	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.7	1.2	ng/L		06/12/26 14:58	06/13/26 06:37	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.7	0.43	ng/L		06/12/26 14:58	06/13/26 06:37	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.7	0.43	ng/L		06/12/26 14:58	06/13/26 06:37	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.7	0.43	ng/L		06/12/26 14:58	06/13/26 06:37	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	B cn	1.7	0.43	ng/L		06/12/26 14:58	06/13/26 06:37	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.7	0.43	ng/L		06/12/26 14:58	06/13/26 06:37	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.7	0.43	ng/L		06/12/26 14:58	06/13/26 06:37	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.7	0.43	ng/L		06/12/26 14:58	06/13/26 06:37	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.4	0.86	ng/L		06/12/26 14:58	06/13/26 06:37	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND	*+ cn	8.6	2.4	ng/L		06/12/26 14:58	06/13/26 06:37	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.6	2.1	ng/L		06/12/26 14:58	06/13/26 06:37	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	73.6		5 - 130				06/12/26 14:58	06/13/26 06:37	1
13C5 PFPeA	68.3		40 - 130				06/12/26 14:58	06/13/26 06:37	1
13C5 PFHxA	75.3		40 - 130				06/12/26 14:58	06/13/26 06:37	1
13C4 PFHpA	80.3		40 - 130				06/12/26 14:58	06/13/26 06:37	1
13C8 PFOA	74.3		40 - 130				06/12/26 14:58	06/13/26 06:37	1
13C9 PFNA	78.9		40 - 130				06/12/26 14:58	06/13/26 06:37	1
13C6 PFDA	76.2		40 - 130				06/12/26 14:58	06/13/26 06:37	1
13C7 PFUnA	81.3		30 - 130				06/12/26 14:58	06/13/26 06:37	1
13C2 PFTeDA	59.9		10 - 130				06/12/26 14:58	06/13/26 06:37	1
13C3 PFBS	77.3		40 - 135				06/12/26 14:58	06/13/26 06:37	1
13C3 PFHxS	81.1		40 - 130				06/12/26 14:58	06/13/26 06:37	1
13C8 PFOS	83.5		40 - 130				06/12/26 14:58	06/13/26 06:37	1
13C8 FOSA	83.1		40 - 130				06/12/26 14:58	06/13/26 06:37	1
d3-NMeFOSAA	122		40 - 170				06/12/26 14:58	06/13/26 06:37	1
d5-NEtFOSAA	120		25 - 135				06/12/26 14:58	06/13/26 06:37	1
13C2 4:2 FTS	219	*5+ cn	40 - 200				06/12/26 14:58	06/13/26 06:37	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-75B

Lab Sample ID: 410-286356-22

Date Collected: 06/02/26 15:30

Matrix: Water

Date Received: 06/02/26 17:40

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 6:2 FTS	176		40 - 200	06/12/26 14:58	06/13/26 06:37	1
13C2 8:2 FTS	151		40 - 300	06/12/26 14:58	06/13/26 06:37	1
13C3 HFPO-DA	65.9		40 - 130	06/12/26 14:58	06/13/26 06:37	1
d7-N-MeFOSE-M	49.0		10 - 130	06/12/26 14:58	06/13/26 06:37	1
d9-N-EtFOSE-M	43.1		10 - 130	06/12/26 14:58	06/13/26 06:37	1
d5-N-EtPFOSA	70.7		10 - 130	06/12/26 14:58	06/13/26 06:37	1
d3-N-MePFOSA	76.6		10 - 130	06/12/26 14:58	06/13/26 06:37	1
13C2 PFDoA	78.9		10 - 130	06/12/26 14:58	06/13/26 06:37	1
13C3-3:3 FTCA	94.3		20 - 150	06/12/26 14:58	06/13/26 06:37	1
13C3-5:3 FTCA	82.9		20 - 150	06/12/26 14:58	06/13/26 06:37	1
13C3-PFDoS	64.3		20 - 150	06/12/26 14:58	06/13/26 06:37	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND	cn	0.0021	0.00057	mg/L		06/09/26 04:50	06/09/26 19:30	1
Nickel	0.0018	cn	0.0010	0.00041	mg/L		06/09/26 04:50	06/09/26 19:30	1
Manganese	0.0010	J cn	0.0021	0.00098	mg/L		06/09/26 04:50	06/09/26 19:30	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: Field Blank 3

Lab Sample ID: 410-286356-23

Date Collected: 06/02/26 15:50

Matrix: Water

Date Received: 06/02/26 17:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/15/26 12:45	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/15/26 12:45	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/15/26 12:45	1
Styrene	ND		5.0	0.30	ug/L			06/15/26 12:45	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/15/26 12:45	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/15/26 12:45	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/15/26 12:45	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/15/26 12:45	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/15/26 12:45	1
Toluene	ND		1.0	0.30	ug/L			06/15/26 12:45	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/15/26 12:45	1
Cyclohexane	ND		5.0	1.0	ug/L			06/15/26 12:45	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/15/26 12:45	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/15/26 12:45	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/15/26 12:45	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/15/26 12:45	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/15/26 12:45	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/15/26 12:45	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/15/26 12:45	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/15/26 12:45	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/15/26 12:45	1
2-Hexanone	ND		10	0.85	ug/L			06/15/26 12:45	1
Acetone	7.8	J	20	0.70	ug/L			06/15/26 12:45	1
Chloroform	0.91	J	1.0	0.30	ug/L			06/15/26 12:45	1
Benzene	ND		1.0	0.30	ug/L			06/15/26 12:45	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/15/26 12:45	1
Bromomethane	ND		1.0	0.30	ug/L			06/15/26 12:45	1
Chloromethane	ND		2.0	0.55	ug/L			06/15/26 12:45	1
Chloroethane	ND		1.0	0.30	ug/L			06/15/26 12:45	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/15/26 12:45	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/15/26 12:45	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/15/26 12:45	1
Bromoform	ND		4.0	1.0	ug/L			06/15/26 12:45	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/15/26 12:45	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/15/26 12:45	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/15/26 12:45	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/15/26 12:45	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/15/26 12:45	1
Freon 113	ND		10	0.30	ug/L			06/15/26 12:45	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/15/26 12:45	1
2-Butanone	ND		10	1.0	ug/L			06/15/26 12:45	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/15/26 12:45	1
Trichloroethene	ND		1.0	0.30	ug/L			06/15/26 12:45	1
Methyl acetate	ND		5.0	0.60	ug/L			06/15/26 12:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/15/26 12:45	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/15/26 12:45	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/15/26 12:45	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/15/26 12:45	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: Field Blank 3

Lab Sample ID: 410-286356-23

Date Collected: 06/02/26 15:50

Matrix: Water

Date Received: 06/02/26 17:40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		80 - 120		06/15/26 12:45	1
Dibromofluoromethane (Surr)	94		80 - 120		06/15/26 12:45	1
4-Bromofluorobenzene (Surr)	98		80 - 120		06/15/26 12:45	1
Toluene-d8 (Surr)	95		80 - 120		06/15/26 12:45	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/03/26 12:48	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20	0.10	mg/L			06/13/26 08:13	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		3.1	0.86	ng/L		06/12/26 14:58	06/13/26 06:51	1
Perfluoropentanoic acid (PFPeA)	ND		1.6	0.47	ng/L		06/12/26 14:58	06/13/26 06:51	1
Perfluorohexanoic acid (PFHxA)	ND		1.6	0.39	ng/L		06/12/26 14:58	06/13/26 06:51	1
Perfluoroheptanoic acid (PFHpA)	ND		1.6	0.62	ng/L		06/12/26 14:58	06/13/26 06:51	1
Perfluorooctanoic acid (PFOA)	ND		1.6	0.70	ng/L		06/12/26 14:58	06/13/26 06:51	1
Perfluorononanoic acid (PFNA)	ND		1.6	0.39	ng/L		06/12/26 14:58	06/13/26 06:51	1
Perfluorodecanoic acid (PFDA)	ND		1.6	0.39	ng/L		06/12/26 14:58	06/13/26 06:51	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.39	ng/L		06/12/26 14:58	06/13/26 06:51	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.39	ng/L		06/12/26 14:58	06/13/26 06:51	1
Perfluorotridecanoic acid (PFTriDA)	ND		1.6	0.39	ng/L		06/12/26 14:58	06/13/26 06:51	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.6	0.39	ng/L		06/12/26 14:58	06/13/26 06:51	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.6	0.39	ng/L		06/12/26 14:58	06/13/26 06:51	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.6	0.39	ng/L		06/12/26 14:58	06/13/26 06:51	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.6	0.62	ng/L		06/12/26 14:58	06/13/26 06:51	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.6	0.39	ng/L		06/12/26 14:58	06/13/26 06:51	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.6	1.0	ng/L		06/12/26 14:58	06/13/26 06:51	1
Perfluorononanesulfonic acid (PFNS)	ND		1.6	0.39	ng/L		06/12/26 14:58	06/13/26 06:51	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.39	ng/L		06/12/26 14:58	06/13/26 06:51	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.6	0.47	ng/L		06/12/26 14:58	06/13/26 06:51	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.1	0.78	ng/L		06/12/26 14:58	06/13/26 06:51	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		3.1	0.78	ng/L		06/12/26 14:58	06/13/26 06:51	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.1	0.78	ng/L		06/12/26 14:58	06/13/26 06:51	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.6	0.39	ng/L		06/12/26 14:58	06/13/26 06:51	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.6	0.39	ng/L		06/12/26 14:58	06/13/26 06:51	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.6	0.86	ng/L		06/12/26 14:58	06/13/26 06:51	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.6	0.39	ng/L		06/12/26 14:58	06/13/26 06:51	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.6	0.39	ng/L		06/12/26 14:58	06/13/26 06:51	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: Field Blank 3

Lab Sample ID: 410-286356-23

Date Collected: 06/02/26 15:50

Matrix: Water

Date Received: 06/02/26 17:40

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		7.8	3.1	ng/L		06/12/26 14:58	06/13/26 06:51	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		7.8	3.1	ng/L		06/12/26 14:58	06/13/26 06:51	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.6	1.1	ng/L		06/12/26 14:58	06/13/26 06:51	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.6	0.39	ng/L		06/12/26 14:58	06/13/26 06:51	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.6	0.39	ng/L		06/12/26 14:58	06/13/26 06:51	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.6	0.39	ng/L		06/12/26 14:58	06/13/26 06:51	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	B cn	1.6	0.39	ng/L		06/12/26 14:58	06/13/26 06:51	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		1.6	0.39	ng/L		06/12/26 14:58	06/13/26 06:51	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.6	0.39	ng/L		06/12/26 14:58	06/13/26 06:51	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.6	0.39	ng/L		06/12/26 14:58	06/13/26 06:51	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.1	0.78	ng/L		06/12/26 14:58	06/13/26 06:51	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND	*+ cn	7.8	2.2	ng/L		06/12/26 14:58	06/13/26 06:51	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		7.8	1.9	ng/L		06/12/26 14:58	06/13/26 06:51	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	88.6		5 - 130	06/12/26 14:58	06/13/26 06:51	1
13C5 PFPeA	84.2		40 - 130	06/12/26 14:58	06/13/26 06:51	1
13C5 PFHxA	105		40 - 130	06/12/26 14:58	06/13/26 06:51	1
13C4 PFHpA	97.3		40 - 130	06/12/26 14:58	06/13/26 06:51	1
13C8 PFOA	86.2		40 - 130	06/12/26 14:58	06/13/26 06:51	1
13C9 PFNA	86.9		40 - 130	06/12/26 14:58	06/13/26 06:51	1
13C6 PFDA	74.4		40 - 130	06/12/26 14:58	06/13/26 06:51	1
13C7 PFUnA	74.6		30 - 130	06/12/26 14:58	06/13/26 06:51	1
13C2 PFTeDA	73.6		10 - 130	06/12/26 14:58	06/13/26 06:51	1
13C3 PFBS	82.5		40 - 135	06/12/26 14:58	06/13/26 06:51	1
13C3 PFHxS	82.5		40 - 130	06/12/26 14:58	06/13/26 06:51	1
13C8 PFOS	80.9		40 - 130	06/12/26 14:58	06/13/26 06:51	1
13C8 FOSA	72.7		40 - 130	06/12/26 14:58	06/13/26 06:51	1
d3-NMeFOSAA	65.7		40 - 170	06/12/26 14:58	06/13/26 06:51	1
d5-NEtFOSAA	64.9		25 - 135	06/12/26 14:58	06/13/26 06:51	1
13C2 4:2 FTS	88.3		40 - 200	06/12/26 14:58	06/13/26 06:51	1
13C2 6:2 FTS	93.3		40 - 200	06/12/26 14:58	06/13/26 06:51	1
13C2 8:2 FTS	95.0		40 - 300	06/12/26 14:58	06/13/26 06:51	1
13C3 HFPO-DA	98.2		40 - 130	06/12/26 14:58	06/13/26 06:51	1
d7-N-MeFOSE-M	64.3		10 - 130	06/12/26 14:58	06/13/26 06:51	1
d9-N-EtFOSE-M	51.9		10 - 130	06/12/26 14:58	06/13/26 06:51	1
d5-NEtPFOSA	66.0		10 - 130	06/12/26 14:58	06/13/26 06:51	1
d3-NMePFOSA	69.3		10 - 130	06/12/26 14:58	06/13/26 06:51	1
13C2 PFDaA	72.2		10 - 130	06/12/26 14:58	06/13/26 06:51	1
13C3-3:3 FTCA	88.3		20 - 150	06/12/26 14:58	06/13/26 06:51	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: Field Blank 3

Lab Sample ID: 410-286356-23

Date Collected: 06/02/26 15:50

Matrix: Water

Date Received: 06/02/26 17:40

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-5:3 FTCA	74.4		20 - 150	06/12/26 14:58	06/13/26 06:51	1
13C3-PFDoS	73.5		20 - 150	06/12/26 14:58	06/13/26 06:51	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND	cn	0.0021	0.00057	mg/L		06/09/26 04:50	06/09/26 19:32	1
Nickel	ND	cn	0.0010	0.00041	mg/L		06/09/26 04:50	06/09/26 19:32	1
Manganese	ND	cn	0.0021	0.00098	mg/L		06/09/26 04:50	06/09/26 19:32	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: Trip Blank

Lab Sample ID: 410-286356-24

Date Collected: 05/07/26 00:00

Matrix: Water

Date Received: 06/02/26 17:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/06/26 11:32	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/06/26 11:32	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/06/26 11:32	1
Styrene	ND		5.0	0.30	ug/L			06/06/26 11:32	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/06/26 11:32	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/06/26 11:32	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/06/26 11:32	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/06/26 11:32	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/06/26 11:32	1
Toluene	ND		1.0	0.30	ug/L			06/06/26 11:32	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/06/26 11:32	1
Cyclohexane	ND		5.0	1.0	ug/L			06/06/26 11:32	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/06/26 11:32	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/06/26 11:32	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/06/26 11:32	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/06/26 11:32	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/06/26 11:32	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/06/26 11:32	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/06/26 11:32	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/06/26 11:32	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/06/26 11:32	1
2-Hexanone	ND		10	0.85	ug/L			06/06/26 11:32	1
Acetone	ND		20	0.70	ug/L			06/06/26 11:32	1
Chloroform	ND		1.0	0.30	ug/L			06/06/26 11:32	1
Benzene	ND		1.0	0.30	ug/L			06/06/26 11:32	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/06/26 11:32	1
Bromomethane	ND		1.0	0.30	ug/L			06/06/26 11:32	1
Chloromethane	ND		2.0	0.55	ug/L			06/06/26 11:32	1
Chloroethane	ND		1.0	0.30	ug/L			06/06/26 11:32	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/06/26 11:32	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/06/26 11:32	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/06/26 11:32	1
Bromoform	ND		4.0	1.0	ug/L			06/06/26 11:32	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/06/26 11:32	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/06/26 11:32	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/06/26 11:32	1
Trichlorofluoromethane	ND	^c cn	1.0	0.30	ug/L			06/06/26 11:32	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/06/26 11:32	1
Freon 113	ND		10	0.30	ug/L			06/06/26 11:32	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/06/26 11:32	1
2-Butanone	ND		10	1.0	ug/L			06/06/26 11:32	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/06/26 11:32	1
Trichloroethene	ND		1.0	0.30	ug/L			06/06/26 11:32	1
Methyl acetate	ND		5.0	0.60	ug/L			06/06/26 11:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/06/26 11:32	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/06/26 11:32	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/06/26 11:32	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/06/26 11:32	1

Euofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: Trip Blank

Lab Sample ID: 410-286356-24

Date Collected: 05/07/26 00:00

Matrix: Water

Date Received: 06/02/26 17:40

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	107		80 - 120		06/06/26 11:32	1
Dibromofluoromethane (Surr)	96		80 - 120		06/06/26 11:32	1
4-Bromofluorobenzene (Surr)	101		80 - 120		06/06/26 11:32	1
Toluene-d8 (Surr)	104		80 - 120		06/06/26 11:32	1

Surrogate Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (80-120)	DBFM (80-120)	BFB (80-120)	TOL (80-120)
410-286356-1	MW-47	101	112	90	94
410-286356-1 - DL	MW-47	100	95	98	97
410-286356-2	MW-56	103	112	92	91
410-286356-2 - DL	MW-56	101	94	97	94
410-286356-3	MW-46	104 cn	117 cn	95 cn	90 cn
410-286356-4	MW-63	100	115	95	93
410-286356-4 - DL	MW-63	101	95	97	95
410-286356-5	MW-62	108	113	95	92
410-286356-5	MW-62	99	93	98	95
410-286356-6	MW-53A	101	116	91	94
410-286356-6 - DL	MW-53A	98	96	97	95
410-286356-7	MW-53B	104	112	92	90
410-286356-7	MW-53B	100	93	100	96
410-286356-8	MW-54	107	112	93	91
410-286356-9	MW-43A	108	115	93	90
410-286356-9	MW-43A	98	94	99	96
410-286356-10	MW-43B	112	115	93	92
410-286356-10	MW-43B	97	93	98	98
410-286356-11	MW-43C	102	115	93	90
410-286356-11	MW-43C	103	96	97	95
410-286356-12	MW-44C	104	113	91	91
410-286356-12	MW-44C	100	94	98	97
410-286356-12 - DL	MW-44C	102 cn	98 cn	96 cn	94 cn
410-286356-13	MW-65	112	116	93	91
410-286356-13	MW-65	104	96	97	95
410-286356-14	MW-22	104	114	91	93
410-286356-14	MW-22	100	96	98	95
410-286356-14 MS	MW-22	104	111	95	95
410-286356-14 MSD	MW-22	102	110	94	93
410-286356-15	MW-27S	102	113	91	92
410-286356-16	MW-27I	102	107	90	93
410-286356-16	MW-27I	100	94	96	97
410-286356-16 - DL	MW-27I	102	98	97	95
410-286356-17	Duplicate 4	101	110	91	95
410-286356-17	Duplicate 4	101	94	95	96
410-286356-17 - DL	Duplicate 4	99	96	97	95
410-286356-18	MW-27D	105	113	94	90
410-286356-18	MW-27D	99	95	98	94
410-286356-19	MW-4	105	115	91	91
410-286356-19	MW-4	99	96	98	95
410-286356-20	MW-5	106	113	92	90
410-286356-21	MW-75A	100	93	95	97
410-286356-21 - DL	MW-75A	98	94	97	96
410-286356-22	MW-75B	101	94	96	99
410-286356-22 - DL	MW-75B	105	95	95	96
410-286356-23	Field Blank 3	96	94	98	95
410-286356-24	Trip Blank	107	96	101	104
LCS 410-830737/4	Lab Control Sample	107	97	102	106
LCS 410-834881/5	Lab Control Sample	101	110	95	93

Eurofins Lancaster Laboratories Environment Testing, LLC

Surrogate Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (80-120)	DBFM (80-120)	BFB (80-120)	TOL (80-120)
LCS 410-835204/4	Lab Control Sample	98	90	98	99
LCS 410-835897/4	Lab Control Sample	100	91	99	98
LCSD 410-830737/5	Lab Control Sample Dup	104	96	103	106
LCSD 410-835204/5	Lab Control Sample Dup	96	89	98	98
LCSD 410-835897/5	Lab Control Sample Dup	97	91	99	97
MB 410-830737/7	Method Blank	106	96	98	103
MB 410-834881/6	Method Blank	106	112	94	92
MB 410-835204/7	Method Blank	98	92	99	97
MB 410-835897/7	Method Blank	96	93	99	95

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

DBFM = Dibromofluoromethane (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

Isotope Dilution Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFBA (5-130)	PFPeA (40-130)	13C5PHA (40-130)	C4PFHA (40-130)	C8PFOA (40-130)	C9PFNA (40-130)	C6PFDA (40-130)	13C7PUA (30-130)
410-286356-1	MW-47	112 cn	103 cn	101 cn	98.8 cn	102 cn	101 cn	79.0 cn	74.8 cn
410-286356-2	MW-56	103	104	103	103	100	94.6	71.1	61.2
410-286356-3	MW-46	95.6	75.1	84.8	85.6	93.8	90.7	67.5	58.3
410-286356-4	MW-63	101	98.0	97.7	95.4	98.3	85.4	62.2	55.6
410-286356-5	MW-62	95.8	96.9	94.9	94.0	88.2	90.9	82.8	76.8
410-286356-6	MW-53A	109	104	99.4	101	97.0	98.0	83.8	86.0
410-286356-7	MW-53B	111	117	109	113	98.9	96.5	82.4	87.1
410-286356-8	MW-54	94.9	93.2	88.8	90.1	93.8	91.1	79.0	83.0
410-286356-9	MW-43A	99.8	92.7	94.8	94.5	97.1	93.4	82.1	82.6
410-286356-10	MW-43B	96.4	91.1	90.5	90.7	93.8	91.7	81.4	80.0
410-286356-11	MW-43C	96.4	92.5	92.4	95.1	100	91.8	80.5	82.7
410-286356-12	MW-44C	90.5	91.1	91.1	89.7	89.5	90.6	81.5	80.7
410-286356-13	MW-65	85.9	82.4	81.7	85.0	80.3	73.8	48.3	34.2
410-286356-14	MW-22	94.1	93.4	87.2	91.6	84.2	78.5	46.1	33.0
410-286356-14 - RE	MW-22								
410-286356-14 MS	MW-22	120	124	120	119	99.0	84.4	46.8	36.6
410-286356-14 MS - RE	MW-22								
410-286356-14 MSD	MW-22	101	99.9	97.5	97.6	87.0	76.9	49.9	40.3
410-286356-14 MSD - RE	MW-22								
410-286356-15	MW-27S	94.0	85.3	81.1	79.8	77.2	67.0	62.3	70.7
410-286356-16	MW-27I	104	98.8	98.4	101	95.7	94.4	88.0	90.3
410-286356-17	Duplicate 4	91.7	91.3	92.6	97.9	91.5	91.2	82.6	84.1
410-286356-18	MW-27D	112	111	107	109	102	88.8	68.6	53.8
410-286356-19	MW-4	77.1	56.7	65.7	73.0	83.4	78.0	73.6	82.1
410-286356-20	MW-5	80.2	41.3	50.7	56.4	73.5	71.8	52.2	47.6
410-286356-21	MW-75A	81.4	91.8	84.5	84.6	77.9	76.3	68.3	79.0
410-286356-22	MW-75B	73.6	68.3	75.3	80.3	74.3	78.9	76.2	81.3
410-286356-23	Field Blank 3	88.6	84.2	105	97.3	86.2	86.9	74.4	74.6
LCS 410-834494/16-A	Lab Control Sample	106	112	101	97.7	86.5	81.5	71.3	73.4
LCS 410-834537/23-A	Lab Control Sample	113	114	119	121	100	99.6	92.8	98.9
LCS 410-836810/9-A	Lab Control Sample	84.7	83.6	82.5	79.3	78.9	73.2	70.6	72.7
LCSD 410-834537/24-A	Lab Control Sample Dup	112	113	119	131 *5+	104	102	91.8	96.0
LLCS 410-834494/17-A	Lab Control Sample	103	105	108	107	90.7	90.5	80.1	81.3
LLCS 410-834537/1-A	Lab Control Sample	101	108	104	101	88.0	85.3	71.5	78.0
LLCS 410-836810/10-A	Lab Control Sample	89.2	93.8	93.9	87.6	78.7	79.4	78.2	76.6
MB 410-834494/15-A	Method Blank	104	104	93.3	95.2	78.8	77.3	69.1	72.6
MB 410-834537/22-A	Method Blank	113	112	102	126	106	102	88.4	102
MB 410-836810/8-A	Method Blank	84.2	88.1	81.3	80.2	78.3	77.6	74.7	75.1
Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFTDA (10-130)	C3PFBS (40-135)	C3PFHS (40-130)	C8PFOS (40-130)	PFOSA (40-130)	d3NMFOS (40-170)	d5NEFOS (25-135)	M242FTS (40-200)
410-286356-1	MW-47	19.3 cn	107 cn	99.8 cn	92.1 cn	97.7 cn	86.9 cn	82.5 cn	136 cn
410-286356-2	MW-56	35.3	104	96.7	68.0	87.5	79.1	76.3	140
410-286356-3	MW-46	35.0	98.1	91.1	60.9	86.8	85.0	80.4	174
410-286356-4	MW-63	42.8	99.7	89.3	55.4	86.3	76.9	75.8	121
410-286356-5	MW-62	72.9	101	93.9	90.9	87.1	79.4	76.0	133
410-286356-6	MW-53A	69.9	106	96.9	95.2	92.9	89.4	88.0	129
410-286356-7	MW-53B	63.2	108	105	93.3	91.4	84.3	81.7	141
410-286356-8	MW-54	62.3	94.2	95.7	89.0	91.0	93.6	91.6	129

Eurofins Lancaster Laboratories Environment Testing, LLC

Isotope Dilution Summary

Client: Groundwater & Environmental Services Inc

Job ID: 410-286356-1

Project/Site: GTAC-Bishop Tube

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFTDA (10-130)	C3PFBS (40-135)	C3PFHS (40-130)	C8PFOS (40-130)	PFOSA (40-130)	d3NMFOS (40-170)	d5NEFOS (25-135)	M242FTS (40-200)
410-286356-9	MW-43A	77.0	96.9	93.7	93.0	98.9	91.2	92.6	106
410-286356-10	MW-43B	60.6	98.9	99.1	95.5	97.4	89.6	89.9	128
410-286356-11	MW-43C	71.4	98.3	97.7	91.0	89.6	86.7	89.5	124
410-286356-12	MW-44C	67.8	96.1	92.0	92.3	85.3	81.8	87.9	139
410-286356-13	MW-65	20.7	87.2	74.4	36.1 *5- cn	78.2	53.3	52.7	113
410-286356-14	MW-22	17.8	92.1	78.6	35.3 *5- cn	68.5	46.9	48.4	118
410-286356-14 - RE	MW-22								
410-286356-14 MS	MW-22	24.3	113	83.2	30.1 *5-	71.7	52.4	52.7	129
410-286356-14 MS - RE	MW-22								
410-286356-14 MSD	MW-22	29.6	97.8	77.9	33.8 *5-	79.9	63.3	63.4	121
410-286356-14 MSD - RE	MW-22								
410-286356-15	MW-27S	71.7	80.0	76.0	72.8	76.8	79.6	81.8	133
410-286356-16	MW-27I	78.7	100	98.3	95.4	96.0	91.1	89.1	125
410-286356-17	Duplicate 4	74.9	97.2	94.3	93.8	91.3	90.4	87.9	100
410-286356-18	MW-27D	28.5	111	101	64.8	95.1	79.3	69.4	156
410-286356-19	MW-4	66.3	77.9	82.3	80.2	78.6	85.5	83.5	224 *5+ cn
410-286356-20	MW-5	28.4	85.4	75.2	59.2	76.8	85.1	85.3	296 *5+ cn
410-286356-21	MW-75A	65.8	81.7	78.4	73.6	70.4	73.3	72.2	99.0
410-286356-22	MW-75B	59.9	77.3	81.1	83.5	83.1	122	120	219 *5+ cn
410-286356-23	Field Blank 3	73.6	82.5	82.5	80.9	72.7	65.7	64.9	88.3
LCS 410-834494/16-A	Lab Control Sample	63.7	85.3	79.5	79.0	102	85.6	84.4	99.5
LCS 410-834537/23-A	Lab Control Sample	81.4	105	100	96.2	86.6	80.3	81.2	117
LCS 410-836810/9-A	Lab Control Sample	63.1	79.6	72.3	76.1	69.0	76.1	72.4	100
LCSD 410-834537/24-A	Lab Control Sample Dup	84.6	116	102	97.9	88.1	82.7	80.4	116
LLCS 410-834494/17-A	Lab Control Sample	72.4	96.0	93.2	92.3	100	85.4	85.0	99.7
LLCS 410-834537/1-A	Lab Control Sample	56.6	94.7	91.6	79.3	76.1	65.6	65.6	109
LLCS 410-836810/10-A	Lab Control Sample	63.3	83.8	76.5	80.8	68.7	75.9	71.2	116
MB 410-834494/15-A	Method Blank	62.6	88.5	80.1	78.5	90.5	73.0	76.9	96.9
MB 410-834537/22-A	Method Blank	80.5	107	107	111	90.9	87.4	88.2	117
MB 410-836810/8-A	Method Blank	65.6	81.6	68.4	80.8	66.7	74.3	67.2	91.4
		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M262FTS (40-200)	M282FTS (40-300)	HFPODA (40-130)	NMFM (10-130)	NEFM (10-130)	d5NPFSA (10-130)	d3NMFSA (10-130)	PFDaA (10-130)
410-286356-1	MW-47	154 cn	89.9 cn	105 cn	40.7 cn	27.9 cn	35.9 cn	52.6 cn	60.7 cn
410-286356-2	MW-56	114	82.8	106	59.8	51.1	63.4	69.3	48.5
410-286356-3	MW-46	155	96.0	94.3	58.5	49.4	61.0	65.9	48.3
410-286356-4	MW-63	105	75.1	103	64.5	52.1	66.9	71.4	46.6
410-286356-5	MW-62	108	90.6	101	52.7	42.8	71.0	74.0	75.8
410-286356-6	MW-53A	103	92.3	104	60.4	50.8	79.3	82.4	81.9
410-286356-7	MW-53B	116	99.2	107	51.5	40.7	71.3	76.5	82.5
410-286356-8	MW-54	117	94.6	91.9	59.1	44.6	73.5	77.9	77.5
410-286356-9	MW-43A	95.4	96.0	93.0	80.7	71.1	75.5	80.1	82.6
410-286356-10	MW-43B	106	100	90.0	55.5	48.1	72.0	79.4	75.2
410-286356-11	MW-43C	105	101	91.7	64.9	54.4	74.0	77.8	82.3
410-286356-12	MW-44C	111	96.9	91.4	53.5	45.3	74.0	73.8	78.6
410-286356-13	MW-65	93.3	65.9	78.7	59.3	48.2	51.6	56.2	25.7

Eurofins Lancaster Laboratories Environment Testing, LLC

Isotope Dilution Summary

Client: Groundwater & Environmental Services Inc

Job ID: 410-286356-1

Project/Site: GTAC-Bishop Tube

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M262FTS (40-200)	M282FTS (40-300)	HFPODA (40-130)	NMFM (10-130)	NEFM (10-130)	d5NPFSA (10-130)	d3NMFSA (10-130)	PFDaA (10-130)
410-286356-14	MW-22	107	68.1	87.6	51.6	39.9	46.8	52.8	25.7
410-286356-14 - RE	MW-22					53.5	57.1	58.0	
410-286356-14 MS	MW-22	103	59.4	121	49.7	39.0	54.9	60.3	33.7
410-286356-14 MS - RE	MW-22					40.8	46.1	48.2	
410-286356-14 MSD	MW-22	101	70.7	92.3	62.9	50.9	65.2	65.2	38.0
410-286356-14 MSD - RE	MW-22					41.1	57.6	58.3	
410-286356-15	MW-27S	77.5	77.6	78.0	66.7	54.5	69.1	70.3	79.3
410-286356-16	MW-27I	109	115	102	78.1	64.5	77.7	80.3	92.0
410-286356-17	Duplicate 4	94.4	97.3	91.9	71.8	55.8	73.2	77.1	84.3
410-286356-18	MW-27D	127	108	105	44.1	32.0	56.7	61.6	42.3
410-286356-19	MW-4	184	132	59.8	68.2	52.1	69.7	68.7	80.4
410-286356-20	MW-5	268 *5+ cn	188	47.4	23.0	14.6	34.4	38.8	42.4
410-286356-21	MW-75A	96.2	91.2	82.2	60.5	53.9	58.1	65.6	83.6
410-286356-22	MW-75B	176	151	65.9	49.0	43.1	70.7	76.6	78.9
410-286356-23	Field Blank 3	93.3	95.0	98.2	64.3	51.9	66.0	69.3	72.2
LCS 410-834494/16-A	Lab Control Sample	85.5	82.0	101	71.4	60.7	82.3	86.2	75.9
LCS 410-834537/23-A	Lab Control Sample	117	118	110	73.1	53.4	77.4	75.4	98.5
LCS 410-836810/9-A	Lab Control Sample	94.8	184	84.4	64.9	63.6	61.6	61.5	65.7
LCSD 410-834537/24-A	Lab Control Sample Dup	118	110	113	73.3	62.6	76.8	77.9	97.9
LLCS 410-834494/17-A	Lab Control Sample	92.4	87.1	99.6	66.5	53.7	80.8	84.5	78.3
LLCS 410-834537/1-A	Lab Control Sample	97.1	100	100	57.9	45.3	62.5	63.6	71.4
LLCS 410-836810/10-A	Lab Control Sample	103	189	92.6	56.9	53.4	58.0	59.6	66.6
MB 410-834494/15-A	Method Blank	87.3	80.0	90.0	55.0	48.4	73.3	76.8	72.2
MB 410-834537/22-A	Method Blank	137	130	106	71.7	52.3	81.4	83.0	99.0
MB 410-836810/8-A	Method Blank	89.2	135	83.4	49.3	45.7	53.4	55.8	64.2
		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	3-3:3 FTC/ (20-150)	3-5:3 FTC/ (20-150)	3C3-PFDa/ (20-150)					
410-286356-1	MW-47	110 cn	96.6 cn	26.6 cn					
410-286356-2	MW-56	115	104	36.5					
410-286356-3	MW-46	86.0	100	38.5					
410-286356-4	MW-63	111	97.4	50.4					
410-286356-5	MW-62	113	96.3	71.9					
410-286356-6	MW-53A	118	99.4	78.5					
410-286356-7	MW-53B	137	110	69.4					
410-286356-8	MW-54	99.1	95.6	76.2					
410-286356-9	MW-43A	99.2	95.0	90.4					
410-286356-10	MW-43B	96.5	94.5	72.0					
410-286356-11	MW-43C	99.3	92.8	79.7					
410-286356-12	MW-44C	101	90.9	74.8					
410-286356-13	MW-65	103	85.8	21.7					
410-286356-14	MW-22	102	89.6	19.7 *5- cn					
410-286356-14 - RE	MW-22								
410-286356-14 MS	MW-22	152 *5+	117	28.5					
410-286356-14 MS - RE	MW-22								
410-286356-14 MSD	MW-22	118	98.2	35.6					
410-286356-14 MSD - RE	MW-22								
410-286356-15	MW-27S	112	84.3	83.8					

Eurofins Lancaster Laboratories Environment Testing, LLC

Isotope Dilution Summary

Client: Groundwater & Environmental Services Inc

Job ID: 410-286356-1

Project/Site: GTAC-Bishop Tube

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)		
		13C3-3:3 FTC/ (20-150)	13C3-5:3 FTC/ (20-150)	13C3-PFDoS (20-150)
410-286356-16	MW-27I	107	104	85.2
410-286356-17	Duplicate 4	99.2	85.3	84.6
410-286356-18	MW-27D	135	112	27.3
410-286356-19	MW-4	74.3	101	69.9
410-286356-20	MW-5	45.2	100	30.6
410-286356-21	MW-75A	80.6	77.8	65.4
410-286356-22	MW-75B	94.3	82.9	64.3
410-286356-23	Field Blank 3	88.3	74.4	73.5
LCS 410-834494/16-A	Lab Control Sample	116	106	79.8
LCS 410-834537/23-A	Lab Control Sample	130	104	68.6
LCS 410-836810/9-A	Lab Control Sample	111	75.1	61.3
LCSD 410-834537/24-A	Lab Control Sample Dup	133	97.1	83.2
LLCS 410-834494/17-A	Lab Control Sample	133	102	83.3
LLCS 410-834537/1-A	Lab Control Sample	133	87.9	58.0
LLCS 410-836810/10-A	Lab Control Sample	120	88.7	60.1
MB 410-834494/15-A	Method Blank	119	98.2	75.4
MB 410-834537/22-A	Method Blank	118	87.1	80.4
MB 410-836810/8-A	Method Blank	108	79.9	59.9

Surrogate Legend

PFBA = 13C4 PFBA
 PFPeA = 13C5 PFPeA
 13C5PHA = 13C5 PFHxA
 C4PFHA = 13C4 PFHpA
 C8PFOA = 13C8 PFOA
 C9PFNA = 13C9 PFNA
 C6PFDA = 13C6 PFDA
 13C7PUA = 13C7 PFUnA
 PFTDA = 13C2 PFTeDA
 C3PFBS = 13C3 PFBS
 C3PFHS = 13C3 PFHxS
 C8PFOS = 13C8 PFOS
 PFOSA = 13C8 FOSA
 d3NMFOS = d3-NMeFOSAA
 d5NEFOS = d5-NEtFOSAA
 M242FTS = 13C2 4:2 FTS
 M262FTS = 13C2 6:2 FTS
 M282FTS = 13C2 8:2 FTS
 HFPODA = 13C3 HFPO-DA
 NMFM = d7-N-MeFOSE-M
 NEFM = d9-N-EtFOSE-M
 d5NPFSA = d5-NEtPFOSA
 d3NMFSA = d3-NMePFOSA
 PFDaA = 13C2 PFDaA
 C3-3:3 FTCA = 13C3-3:3 FTCA
 C3-5:3 FTCA = 13C3-5:3 FTCA
 13C3-PFDoS = 13C3-PFDoS

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 410-830737/7

Matrix: Water

Analysis Batch: 830737

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/06/26 10:23	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/06/26 10:23	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/06/26 10:23	1
Styrene	ND		5.0	0.30	ug/L			06/06/26 10:23	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/06/26 10:23	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/06/26 10:23	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/06/26 10:23	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/06/26 10:23	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/06/26 10:23	1
Toluene	ND		1.0	0.30	ug/L			06/06/26 10:23	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/06/26 10:23	1
Cyclohexane	ND		5.0	1.0	ug/L			06/06/26 10:23	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/06/26 10:23	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/06/26 10:23	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/06/26 10:23	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/06/26 10:23	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/06/26 10:23	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/06/26 10:23	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/06/26 10:23	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/06/26 10:23	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/06/26 10:23	1
2-Hexanone	ND		10	0.85	ug/L			06/06/26 10:23	1
Acetone	ND		20	0.70	ug/L			06/06/26 10:23	1
Chloroform	ND		1.0	0.30	ug/L			06/06/26 10:23	1
Benzene	ND		1.0	0.30	ug/L			06/06/26 10:23	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/06/26 10:23	1
Bromomethane	ND		1.0	0.30	ug/L			06/06/26 10:23	1
Chloromethane	ND		2.0	0.55	ug/L			06/06/26 10:23	1
Chloroethane	ND		1.0	0.30	ug/L			06/06/26 10:23	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/06/26 10:23	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/06/26 10:23	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/06/26 10:23	1
Bromoform	ND		4.0	1.0	ug/L			06/06/26 10:23	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/06/26 10:23	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/06/26 10:23	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/06/26 10:23	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/06/26 10:23	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/06/26 10:23	1
Freon 113	ND		10	0.30	ug/L			06/06/26 10:23	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/06/26 10:23	1
2-Butanone	ND		10	1.0	ug/L			06/06/26 10:23	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/06/26 10:23	1
Trichloroethene	ND		1.0	0.30	ug/L			06/06/26 10:23	1
Methyl acetate	ND		5.0	0.60	ug/L			06/06/26 10:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/06/26 10:23	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/06/26 10:23	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/06/26 10:23	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/06/26 10:23	1

Eurolins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-830737/7

Matrix: Water

Analysis Batch: 830737

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		80 - 120		06/06/26 10:23	1
Dibromofluoromethane (Surr)	96		80 - 120		06/06/26 10:23	1
4-Bromofluorobenzene (Surr)	98		80 - 120		06/06/26 10:23	1
Toluene-d8 (Surr)	103		80 - 120		06/06/26 10:23	1

Lab Sample ID: LCS 410-830737/4

Matrix: Water

Analysis Batch: 830737

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	20.0	17.7		ug/L		89	75 - 120
trans-1,3-Dichloropropene	20.0	19.8		ug/L		99	67 - 120
Ethylbenzene	20.0	20.2		ug/L		101	80 - 120
Styrene	20.0	19.2		ug/L		96	80 - 120
1,4-Dichlorobenzene	20.0	19.7		ug/L		98	80 - 120
1,2-Dibromoethane	20.0	19.8		ug/L		99	77 - 120
1,2-Dichloroethane	20.0	20.1		ug/L		101	73 - 124
4-Methyl-2-pentanone	250	264		ug/L		106	62 - 133
Methylcyclohexane	20.0	15.9		ug/L		80	60 - 121
Toluene	20.0	20.4		ug/L		102	80 - 120
Chlorobenzene	20.0	19.1		ug/L		96	80 - 120
Cyclohexane	20.0	18.2		ug/L		91	60 - 126
1,2,4-Trichlorobenzene	20.0	19.2		ug/L		96	63 - 127
Dibromochloromethane	20.0	18.4		ug/L		92	71 - 120
Xylenes, Total	60.0	58.9		ug/L		98	80 - 120
Tetrachloroethene	20.0	17.8		ug/L		89	80 - 120
cis-1,2-Dichloroethene	20.0	19.1		ug/L		95	80 - 125
trans-1,2-Dichloroethene	20.0	18.8		ug/L		94	80 - 126
Methyl tertiary butyl ether	20.0	19.5		ug/L		97	69 - 122
1,3-Dichlorobenzene	20.0	19.4		ug/L		97	80 - 120
Carbon tetrachloride	20.0	17.2		ug/L		86	64 - 134
2-Hexanone	250	286		ug/L		114	56 - 143
Acetone	250	223		ug/L		89	57 - 150
Chloroform	20.0	18.8		ug/L		94	72 - 120
Benzene	20.0	19.0		ug/L		95	80 - 120
1,1,1-Trichloroethane	20.0	18.4		ug/L		92	73 - 120
Bromomethane	20.0	18.8		ug/L		94	61 - 128
Chloromethane	20.0	20.7		ug/L		103	48 - 134
Chloroethane	20.0	21.4		ug/L		107	67 - 123
Vinyl chloride	20.0	19.1		ug/L		95	56 - 120
Methylene Chloride	20.0	19.1		ug/L		95	80 - 120
Carbon disulfide	20.0	13.6		ug/L		68	55 - 139
Bromoform	20.0	16.9		ug/L		85	63 - 128
Bromodichloromethane	20.0	18.4		ug/L		92	71 - 120
1,1-Dichloroethane	20.0	20.2		ug/L		101	80 - 126
1,1-Dichloroethene	20.0	19.4		ug/L		97	80 - 131
Trichlorofluoromethane	20.0	12.7		ug/L		63	57 - 120
Dichlorodifluoromethane	20.0	11.5		ug/L		57	40 - 127

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-830737/4

Matrix: Water

Analysis Batch: 830737

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Freon 113	20.0	16.3		ug/L		81	57 - 122
1,2-Dichloropropane	20.0	19.3		ug/L		97	80 - 120
2-Butanone	250	245		ug/L		98	59 - 135
1,1,2-Trichloroethane	20.0	20.4		ug/L		102	80 - 120
Trichloroethene	20.0	18.1		ug/L		91	80 - 120
Methyl acetate	20.0	20.5		ug/L		103	55 - 157
1,1,2,2-Tetrachloroethane	20.0	21.3		ug/L		106	72 - 127
1,2-Dichlorobenzene	20.0	19.4		ug/L		97	80 - 120
1,2-Dibromo-3-Chloropropane	20.0	18.3		ug/L		91	60 - 120
Isopropylbenzene	20.0	19.8		ug/L		99	80 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	107		80 - 120
Dibromofluoromethane (Surr)	97		80 - 120
4-Bromofluorobenzene (Surr)	102		80 - 120
Toluene-d8 (Surr)	106		80 - 120

Lab Sample ID: LCSD 410-830737/5

Matrix: Water

Analysis Batch: 830737

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	20.0	17.9		ug/L		90	75 - 120	1	30
trans-1,3-Dichloropropene	20.0	20.1		ug/L		100	67 - 120	1	30
Ethylbenzene	20.0	20.7		ug/L		104	80 - 120	3	30
Styrene	20.0	19.6		ug/L		98	80 - 120	2	30
1,4-Dichlorobenzene	20.0	19.5		ug/L		97	80 - 120	1	30
1,2-Dibromoethane	20.0	20.3		ug/L		101	77 - 120	3	30
1,2-Dichloroethane	20.0	20.1		ug/L		100	73 - 124	0	30
4-Methyl-2-pentanone	250	265		ug/L		106	62 - 133	0	30
Methylcyclohexane	20.0	16.3		ug/L		82	60 - 121	2	30
Toluene	20.0	20.7		ug/L		104	80 - 120	2	30
Chlorobenzene	20.0	20.1		ug/L		101	80 - 120	5	30
Cyclohexane	20.0	18.4		ug/L		92	60 - 126	1	30
1,2,4-Trichlorobenzene	20.0	18.7		ug/L		93	63 - 127	3	30
Dibromochloromethane	20.0	18.6		ug/L		93	71 - 120	2	30
Xylenes, Total	60.0	60.8		ug/L		101	80 - 120	3	30
Tetrachloroethene	20.0	18.3		ug/L		92	80 - 120	3	30
cis-1,2-Dichloroethene	20.0	18.9		ug/L		95	80 - 125	1	30
trans-1,2-Dichloroethene	20.0	19.0		ug/L		95	80 - 126	1	30
Methyl tertiary butyl ether	20.0	19.4		ug/L		97	69 - 122	0	30
1,3-Dichlorobenzene	20.0	19.4		ug/L		97	80 - 120	0	30
Carbon tetrachloride	20.0	18.3		ug/L		92	64 - 134	6	30
2-Hexanone	250	289		ug/L		116	56 - 143	1	30
Acetone	250	222		ug/L		89	57 - 150	0	30
Chloroform	20.0	19.3		ug/L		97	72 - 120	3	30
Benzene	20.0	19.2		ug/L		96	80 - 120	1	30
1,1,1-Trichloroethane	20.0	19.2		ug/L		96	73 - 120	4	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-830737/5

Matrix: Water

Analysis Batch: 830737

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromomethane	20.0	19.3		ug/L		97	61 - 128	3	30
Chloromethane	20.0	21.1		ug/L		105	48 - 134	2	30
Chloroethane	20.0	22.1		ug/L		111	67 - 123	3	30
Vinyl chloride	20.0	20.5		ug/L		103	56 - 120	7	30
Methylene Chloride	20.0	19.6		ug/L		98	80 - 120	3	30
Carbon disulfide	20.0	12.7		ug/L		63	55 - 139	7	30
Bromoform	20.0	17.0		ug/L		85	63 - 128	0	30
Bromodichloromethane	20.0	18.6		ug/L		93	71 - 120	1	30
1,1-Dichloroethane	20.0	20.8		ug/L		104	80 - 126	3	30
1,1-Dichloroethene	20.0	20.3		ug/L		101	80 - 131	4	30
Trichlorofluoromethane	20.0	13.7		ug/L		69	57 - 120	8	30
Dichlorodifluoromethane	20.0	11.9		ug/L		59	40 - 127	4	30
Freon 113	20.0	16.7		ug/L		83	57 - 122	2	30
1,2-Dichloropropane	20.0	19.6		ug/L		98	80 - 120	2	30
2-Butanone	250	244		ug/L		98	59 - 135	0	30
1,1,2-Trichloroethane	20.0	20.8		ug/L		104	80 - 120	2	30
Trichloroethene	20.0	18.6		ug/L		93	80 - 120	2	30
Methyl acetate	20.0	20.2		ug/L		101	55 - 157	2	30
1,1,2,2-Tetrachloroethane	20.0	20.7		ug/L		104	72 - 127	3	30
1,2-Dichlorobenzene	20.0	19.4		ug/L		97	80 - 120	0	30
1,2-Dibromo-3-Chloropropane	20.0	18.7		ug/L		94	60 - 120	2	30
Isopropylbenzene	20.0	20.5		ug/L		103	80 - 132	4	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	96		80 - 120
4-Bromofluorobenzene (Surr)	103		80 - 120
Toluene-d8 (Surr)	106		80 - 120

Lab Sample ID: MB 410-834881/6

Matrix: Water

Analysis Batch: 834881

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/13/26 14:57	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/13/26 14:57	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/13/26 14:57	1
Styrene	ND		5.0	0.30	ug/L			06/13/26 14:57	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/13/26 14:57	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/13/26 14:57	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/13/26 14:57	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/13/26 14:57	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/13/26 14:57	1
Toluene	ND		1.0	0.30	ug/L			06/13/26 14:57	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/13/26 14:57	1
Cyclohexane	ND		5.0	1.0	ug/L			06/13/26 14:57	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/13/26 14:57	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/13/26 14:57	1

Eurolins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-834881/6

Matrix: Water

Analysis Batch: 834881

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		1.0	0.40	ug/L			06/13/26 14:57	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/13/26 14:57	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/13/26 14:57	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/13/26 14:57	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/13/26 14:57	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/13/26 14:57	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/13/26 14:57	1
2-Hexanone	ND		10	0.85	ug/L			06/13/26 14:57	1
Acetone	ND		20	0.70	ug/L			06/13/26 14:57	1
Chloroform	ND		1.0	0.30	ug/L			06/13/26 14:57	1
Benzene	ND		1.0	0.30	ug/L			06/13/26 14:57	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/13/26 14:57	1
Bromomethane	ND		1.0	0.30	ug/L			06/13/26 14:57	1
Chloromethane	ND		2.0	0.55	ug/L			06/13/26 14:57	1
Chloroethane	ND		1.0	0.30	ug/L			06/13/26 14:57	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/13/26 14:57	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/13/26 14:57	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/13/26 14:57	1
Bromoform	ND		4.0	1.0	ug/L			06/13/26 14:57	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/13/26 14:57	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/13/26 14:57	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/13/26 14:57	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/13/26 14:57	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/13/26 14:57	1
Freon 113	ND		10	0.30	ug/L			06/13/26 14:57	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/13/26 14:57	1
2-Butanone	ND		10	1.0	ug/L			06/13/26 14:57	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/13/26 14:57	1
Trichloroethene	ND		1.0	0.30	ug/L			06/13/26 14:57	1
Methyl acetate	ND		5.0	0.60	ug/L			06/13/26 14:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/13/26 14:57	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/13/26 14:57	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/13/26 14:57	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/13/26 14:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		80 - 120		06/13/26 14:57	1
Dibromofluoromethane (Surr)	112		80 - 120		06/13/26 14:57	1
4-Bromofluorobenzene (Surr)	94		80 - 120		06/13/26 14:57	1
Toluene-d8 (Surr)	92		80 - 120		06/13/26 14:57	1

Lab Sample ID: LCS 410-834881/5

Matrix: Water

Analysis Batch: 834881

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	20.0	17.5		ug/L		88	75 - 120
trans-1,3-Dichloropropene	20.0	17.5		ug/L		88	67 - 120

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-834881/5

Matrix: Water

Analysis Batch: 834881

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	20.0	18.7		ug/L		93	80 - 120
Styrene	20.0	18.7		ug/L		94	80 - 120
1,4-Dichlorobenzene	20.0	20.0		ug/L		100	80 - 120
1,2-Dibromoethane	20.0	20.9		ug/L		104	77 - 120
1,2-Dichloroethane	20.0	21.5		ug/L		108	73 - 124
4-Methyl-2-pentanone	250	210		ug/L		84	62 - 133
Methylcyclohexane	20.0	18.0		ug/L		90	60 - 121
Toluene	20.0	19.0		ug/L		95	80 - 120
Chlorobenzene	20.0	20.7		ug/L		103	80 - 120
Cyclohexane	20.0	16.1		ug/L		81	60 - 126
1,2,4-Trichlorobenzene	20.0	19.0		ug/L		95	63 - 127
Dibromochloromethane	20.0	21.8		ug/L		109	71 - 120
Xylenes, Total	60.0	58.2		ug/L		97	80 - 120
Tetrachloroethene	20.0	23.2		ug/L		116	80 - 120
cis-1,2-Dichloroethene	20.0	20.8		ug/L		104	80 - 125
trans-1,2-Dichloroethene	20.0	20.6		ug/L		103	80 - 126
Methyl tertiary butyl ether	20.0	18.1		ug/L		90	69 - 122
1,3-Dichlorobenzene	20.0	19.9		ug/L		100	80 - 120
Carbon tetrachloride	20.0	25.8		ug/L		129	64 - 134
2-Hexanone	250	200		ug/L		80	56 - 143
Acetone	250	238		ug/L		95	57 - 150
Chloroform	20.0	18.1		ug/L		91	72 - 120
Benzene	20.0	19.0		ug/L		95	80 - 120
1,1,1-Trichloroethane	20.0	24.9	*+	ug/L		124	73 - 120
Bromomethane	20.0	18.1		ug/L		91	61 - 128
Chloromethane	20.0	13.2		ug/L		66	48 - 134
Chloroethane	20.0	16.6		ug/L		83	67 - 123
Vinyl chloride	20.0	14.4		ug/L		72	56 - 120
Methylene Chloride	20.0	19.1		ug/L		95	80 - 120
Carbon disulfide	20.0	17.8		ug/L		89	55 - 139
Bromoform	20.0	23.6		ug/L		118	63 - 128
Bromodichloromethane	20.0	21.6		ug/L		108	71 - 120
1,1-Dichloroethane	20.0	19.0		ug/L		95	80 - 126
1,1-Dichloroethene	20.0	20.8		ug/L		104	80 - 131
Trichlorofluoromethane	20.0	17.3		ug/L		87	57 - 120
Dichlorodifluoromethane	20.0	13.7		ug/L		68	40 - 127
Freon 113	20.0	22.6		ug/L		113	57 - 122
1,2-Dichloropropane	20.0	17.6		ug/L		88	80 - 120
2-Butanone	250	194		ug/L		78	59 - 135
1,1,2-Trichloroethane	20.0	19.8		ug/L		99	80 - 120
Trichloroethene	20.0	20.8		ug/L		104	80 - 120
Methyl acetate	20.0	16.2		ug/L		81	55 - 157
1,1,2,2-Tetrachloroethane	20.0	17.1		ug/L		86	72 - 127
1,2-Dichlorobenzene	20.0	20.1		ug/L		100	80 - 120
1,2-Dibromo-3-Chloropropane	20.0	17.5		ug/L		88	60 - 120
Isopropylbenzene	20.0	19.4		ug/L		97	80 - 132

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-834881/5

Matrix: Water

Analysis Batch: 834881

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	110		80 - 120
4-Bromofluorobenzene (Surr)	95		80 - 120
Toluene-d8 (Surr)	93		80 - 120

Lab Sample ID: 410-286356-14 MS

Matrix: Water

Analysis Batch: 834881

Client Sample ID: MW-22

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	ND		20.0	16.6		ug/L		83	75 - 120
trans-1,3-Dichloropropene	ND		20.0	17.1		ug/L		85	67 - 120
Ethylbenzene	ND		20.0	19.3		ug/L		96	80 - 120
Styrene	ND		20.0	19.2		ug/L		96	80 - 120
1,4-Dichlorobenzene	ND		20.0	20.8		ug/L		104	80 - 120
1,2-Dibromoethane	ND		20.0	20.5		ug/L		103	77 - 120
1,2-Dichloroethane	ND		20.0	21.2		ug/L		106	73 - 124
4-Methyl-2-pentanone	ND		250	197		ug/L		79	62 - 133
Methylcyclohexane	ND		20.0	17.9		ug/L		89	60 - 121
Toluene	ND		20.0	19.1		ug/L		96	80 - 120
Chlorobenzene	ND		20.0	21.3		ug/L		107	80 - 120
Cyclohexane	ND		20.0	16.8		ug/L		84	60 - 126
1,2,4-Trichlorobenzene	ND		20.0	17.6		ug/L		88	63 - 127
Dibromochloromethane	ND		20.0	21.4		ug/L		107	71 - 120
Xylenes, Total	ND		60.0	59.2		ug/L		99	80 - 120
Tetrachloroethene	ND	^c FH cn	20.0	24.1	FH	ug/L		121	80 - 120
cis-1,2-Dichloroethene	ND		20.0	21.1		ug/L		105	80 - 125
trans-1,2-Dichloroethene	ND		20.0	21.4		ug/L		107	80 - 126
Methyl tertiary butyl ether	ND		20.0	17.0		ug/L		85	69 - 122
1,3-Dichlorobenzene	ND		20.0	20.5		ug/L		102	80 - 120
Carbon tetrachloride	ND	^c FH cn	20.0	26.9	FH	ug/L		135	64 - 134
2-Hexanone	ND	^c cn	250	188		ug/L		75	56 - 143
Acetone	ND		250	258		ug/L		103	57 - 150
Chloroform	ND		20.0	18.7		ug/L		93	72 - 120
Benzene	ND		20.0	19.5		ug/L		98	80 - 120
1,1,1-Trichloroethane	1.6	^c *+ FH cn	20.0	26.1	FH	ug/L		122	73 - 120
Bromomethane	ND		20.0	19.1		ug/L		95	61 - 128
Chloromethane	ND	^c cn	20.0	13.4		ug/L		67	48 - 134
Chloroethane	ND		20.0	17.2		ug/L		86	67 - 123
Vinyl chloride	ND		20.0	16.1		ug/L		80	56 - 120
Methylene Chloride	ND		20.0	19.0		ug/L		95	80 - 120
Carbon disulfide	ND		20.0	17.8		ug/L		89	55 - 139
Bromoform	ND	^c cn	20.0	23.4		ug/L		117	63 - 128
Bromodichloromethane	ND		20.0	21.3		ug/L		107	71 - 120
1,1-Dichloroethane	ND		20.0	19.5		ug/L		98	80 - 126
1,1-Dichloroethene	ND		20.0	21.1		ug/L		106	80 - 131
Trichlorofluoromethane	ND		20.0	18.7		ug/L		94	57 - 120
Dichlorodifluoromethane	ND		20.0	18.9		ug/L		95	40 - 127

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 410-286356-14 MS

Matrix: Water

Analysis Batch: 834881

Client Sample ID: MW-22

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Freon 113	ND	^c cn	20.0	23.2		ug/L		116	57 - 122
1,2-Dichloropropane	ND		20.0	17.5		ug/L		87	80 - 120
2-Butanone	ND	^c cn	250	179		ug/L		71	59 - 135
1,1,2-Trichloroethane	ND		20.0	19.6		ug/L		98	80 - 120
Trichloroethene	2.0		20.0	22.9		ug/L		105	80 - 120
Methyl acetate	ND		20.0	14.8		ug/L		74	55 - 157
1,1,2,2-Tetrachloroethane	ND		20.0	16.3		ug/L		81	72 - 127
1,2-Dichlorobenzene	ND		20.0	19.9		ug/L		99	80 - 120
1,2-Dibromo-3-Chloropropane	ND		20.0	16.2		ug/L		81	60 - 120
Isopropylbenzene	ND		20.0	19.5		ug/L		98	80 - 132
Surrogate	MS %Recovery	MS Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	104		80 - 120						
Dibromofluoromethane (Surr)	111		80 - 120						
4-Bromofluorobenzene (Surr)	95		80 - 120						
Toluene-d8 (Surr)	95		80 - 120						

Lab Sample ID: 410-286356-14 MSD

Matrix: Water

Analysis Batch: 834881

Client Sample ID: MW-22

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	ND		20.0	17.1		ug/L		85	75 - 120	3	30
trans-1,3-Dichloropropene	ND		20.0	17.5		ug/L		87	67 - 120	2	30
Ethylbenzene	ND		20.0	19.3		ug/L		96	80 - 120	0	30
Styrene	ND		20.0	19.0		ug/L		95	80 - 120	1	30
1,4-Dichlorobenzene	ND		20.0	20.9		ug/L		105	80 - 120	1	30
1,2-Dibromoethane	ND		20.0	20.0		ug/L		100	77 - 120	3	30
1,2-Dichloroethane	ND		20.0	21.4		ug/L		107	73 - 124	1	30
4-Methyl-2-pentanone	ND		250	202		ug/L		81	62 - 133	2	30
Methylcyclohexane	ND		20.0	19.2		ug/L		96	60 - 121	7	30
Toluene	ND		20.0	19.1		ug/L		95	80 - 120	0	30
Chlorobenzene	ND		20.0	21.0		ug/L		105	80 - 120	1	30
Cyclohexane	ND		20.0	17.0		ug/L		85	60 - 126	1	30
1,2,4-Trichlorobenzene	ND		20.0	19.2		ug/L		96	63 - 127	9	30
Dibromochloromethane	ND		20.0	21.1		ug/L		105	71 - 120	2	30
Xylenes, Total	ND		60.0	59.2		ug/L		99	80 - 120	0	30
Tetrachloroethene	ND	^c FH cn	20.0	24.4	FH	ug/L		122	80 - 120	1	30
cis-1,2-Dichloroethene	ND		20.0	21.4		ug/L		107	80 - 125	2	30
trans-1,2-Dichloroethene	ND		20.0	21.9		ug/L		110	80 - 126	2	30
Methyl tertiary butyl ether	ND		20.0	17.4		ug/L		87	69 - 122	2	30
1,3-Dichlorobenzene	ND		20.0	20.2		ug/L		101	80 - 120	1	30
Carbon tetrachloride	ND	^c FH cn	20.0	27.6	FH	ug/L		138	64 - 134	2	30
2-Hexanone	ND	^c cn	250	190		ug/L		76	56 - 143	1	30
Acetone	ND		250	247		ug/L		99	57 - 150	4	30
Chloroform	ND		20.0	19.1		ug/L		96	72 - 120	2	30
Benzene	ND		20.0	19.6		ug/L		98	80 - 120	0	30
1,1,1-Trichloroethane	1.6	^c *+ FH cn	20.0	27.3	FH	ug/L		129	73 - 120	5	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 410-286356-14 MSD

Matrix: Water

Analysis Batch: 834881

Client Sample ID: MW-22

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromomethane	ND		20.0	19.3		ug/L		96	61 - 128	1	30
Chloromethane	ND	^c cn	20.0	14.4		ug/L		72	48 - 134	7	30
Chloroethane	ND		20.0	16.5		ug/L		83	67 - 123	4	30
Vinyl chloride	ND		20.0	16.6		ug/L		83	56 - 120	4	30
Methylene Chloride	ND		20.0	19.4		ug/L		97	80 - 120	2	30
Carbon disulfide	ND		20.0	18.4		ug/L		92	55 - 139	3	30
Bromoform	ND	^c cn	20.0	23.1		ug/L		115	63 - 128	1	30
Bromodichloromethane	ND		20.0	21.5		ug/L		107	71 - 120	1	30
1,1-Dichloroethane	ND		20.0	19.6		ug/L		98	80 - 126	1	30
1,1-Dichloroethene	ND		20.0	21.6		ug/L		108	80 - 131	2	30
Trichlorofluoromethane	ND		20.0	18.7		ug/L		93	57 - 120	0	30
Dichlorodifluoromethane	ND		20.0	18.6		ug/L		93	40 - 127	2	30
Freon 113	ND	^c cn	20.0	23.9		ug/L		119	57 - 122	3	30
1,2-Dichloropropane	ND		20.0	17.9		ug/L		90	80 - 120	3	30
2-Butanone	ND	^c cn	250	187		ug/L		75	59 - 135	5	30
1,1,2-Trichloroethane	ND		20.0	19.1		ug/L		95	80 - 120	3	30
Trichloroethene	2.0		20.0	23.8		ug/L		109	80 - 120	4	30
Methyl acetate	ND		20.0	17.1		ug/L		85	55 - 157	14	30
1,1,2,2-Tetrachloroethane	ND		20.0	16.7		ug/L		84	72 - 127	3	30
1,2-Dichlorobenzene	ND		20.0	20.6		ug/L		103	80 - 120	3	30
1,2-Dibromo-3-Chloropropane	ND		20.0	16.5		ug/L		82	60 - 120	2	30
Isopropylbenzene	ND		20.0	19.9		ug/L		99	80 - 132	2	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	110		80 - 120
4-Bromofluorobenzene (Surr)	94		80 - 120
Toluene-d8 (Surr)	93		80 - 120

Lab Sample ID: MB 410-835204/7

Matrix: Water

Analysis Batch: 835204

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/15/26 10:27	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/15/26 10:27	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/15/26 10:27	1
Styrene	ND		5.0	0.30	ug/L			06/15/26 10:27	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/15/26 10:27	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/15/26 10:27	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/15/26 10:27	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/15/26 10:27	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/15/26 10:27	1
Toluene	ND		1.0	0.30	ug/L			06/15/26 10:27	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/15/26 10:27	1
Cyclohexane	ND		5.0	1.0	ug/L			06/15/26 10:27	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/15/26 10:27	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/15/26 10:27	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-835204/7

Matrix: Water

Analysis Batch: 835204

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		1.0	0.40	ug/L			06/15/26 10:27	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/15/26 10:27	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/15/26 10:27	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/15/26 10:27	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/15/26 10:27	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/15/26 10:27	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/15/26 10:27	1
2-Hexanone	ND		10	0.85	ug/L			06/15/26 10:27	1
Acetone	ND		20	0.70	ug/L			06/15/26 10:27	1
Chloroform	ND		1.0	0.30	ug/L			06/15/26 10:27	1
Benzene	ND		1.0	0.30	ug/L			06/15/26 10:27	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/15/26 10:27	1
Bromomethane	ND		1.0	0.30	ug/L			06/15/26 10:27	1
Chloromethane	ND		2.0	0.55	ug/L			06/15/26 10:27	1
Chloroethane	ND		1.0	0.30	ug/L			06/15/26 10:27	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/15/26 10:27	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/15/26 10:27	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/15/26 10:27	1
Bromoform	ND		4.0	1.0	ug/L			06/15/26 10:27	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/15/26 10:27	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/15/26 10:27	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/15/26 10:27	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/15/26 10:27	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/15/26 10:27	1
Freon 113	ND		10	0.30	ug/L			06/15/26 10:27	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/15/26 10:27	1
2-Butanone	ND		10	1.0	ug/L			06/15/26 10:27	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/15/26 10:27	1
Trichloroethene	ND		1.0	0.30	ug/L			06/15/26 10:27	1
Methyl acetate	ND		5.0	0.60	ug/L			06/15/26 10:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/15/26 10:27	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/15/26 10:27	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/15/26 10:27	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/15/26 10:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		80 - 120		06/15/26 10:27	1
Dibromofluoromethane (Surr)	92		80 - 120		06/15/26 10:27	1
4-Bromofluorobenzene (Surr)	99		80 - 120		06/15/26 10:27	1
Toluene-d8 (Surr)	97		80 - 120		06/15/26 10:27	1

Lab Sample ID: LCS 410-835204/4

Matrix: Water

Analysis Batch: 835204

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	20.0	19.4		ug/L		97	75 - 120
trans-1,3-Dichloropropene	20.0	19.4		ug/L		97	67 - 120

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-835204/4

Matrix: Water

Analysis Batch: 835204

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	20.0	19.2		ug/L		96	80 - 120
Styrene	20.0	19.2		ug/L		96	80 - 120
1,4-Dichlorobenzene	20.0	19.5		ug/L		98	80 - 120
1,2-Dibromoethane	20.0	20.2		ug/L		101	77 - 120
1,2-Dichloroethane	20.0	19.3		ug/L		97	73 - 124
4-Methyl-2-pentanone	250	266		ug/L		106	62 - 133
Methylcyclohexane	20.0	19.2		ug/L		96	60 - 121
Toluene	20.0	19.7		ug/L		98	80 - 120
Chlorobenzene	20.0	20.3		ug/L		101	80 - 120
Cyclohexane	20.0	20.0		ug/L		100	60 - 126
1,2,4-Trichlorobenzene	20.0	19.0		ug/L		95	63 - 127
Dibromochloromethane	20.0	18.7		ug/L		93	71 - 120
Xylenes, Total	60.0	58.1		ug/L		97	80 - 120
Tetrachloroethene	20.0	20.0		ug/L		100	80 - 120
cis-1,2-Dichloroethene	20.0	18.3		ug/L		92	80 - 125
trans-1,2-Dichloroethene	20.0	19.4		ug/L		97	80 - 126
Methyl tertiary butyl ether	20.0	18.8		ug/L		94	69 - 122
1,3-Dichlorobenzene	20.0	19.8		ug/L		99	80 - 120
Carbon tetrachloride	20.0	20.3		ug/L		102	64 - 134
2-Hexanone	250	268		ug/L		107	56 - 143
Acetone	250	260		ug/L		104	57 - 150
Chloroform	20.0	18.1		ug/L		91	72 - 120
Benzene	20.0	20.1		ug/L		101	80 - 120
1,1,1-Trichloroethane	20.0	19.6		ug/L		98	73 - 120
Bromomethane	20.0	19.2		ug/L		96	61 - 128
Chloromethane	20.0	18.4		ug/L		92	48 - 134
Chloroethane	20.0	21.1		ug/L		106	67 - 123
Vinyl chloride	20.0	18.5		ug/L		93	56 - 120
Methylene Chloride	20.0	20.3		ug/L		102	80 - 120
Carbon disulfide	20.0	19.3		ug/L		96	55 - 139
Bromoform	20.0	19.3		ug/L		96	63 - 128
Bromodichloromethane	20.0	19.1		ug/L		96	71 - 120
1,1-Dichloroethane	20.0	20.0		ug/L		100	80 - 126
1,1-Dichloroethene	20.0	21.1		ug/L		106	80 - 131
Trichlorofluoromethane	20.0	15.1		ug/L		75	57 - 120
Dichlorodifluoromethane	20.0	18.4		ug/L		92	40 - 127
Freon 113	20.0	20.8		ug/L		104	57 - 122
1,2-Dichloropropane	20.0	21.0		ug/L		105	80 - 120
2-Butanone	250	255		ug/L		102	59 - 135
1,1,2-Trichloroethane	20.0	20.0		ug/L		100	80 - 120
Trichloroethene	20.0	21.8		ug/L		109	80 - 120
Methyl acetate	20.0	23.9		ug/L		120	55 - 157
1,1,2,2-Tetrachloroethane	20.0	16.8		ug/L		84	72 - 127
1,2-Dichlorobenzene	20.0	19.1		ug/L		95	80 - 120
1,2-Dibromo-3-Chloropropane	20.0	18.6		ug/L		93	60 - 120
Isopropylbenzene	20.0	19.1		ug/L		95	80 - 132

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-835204/4

Matrix: Water

Analysis Batch: 835204

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		80 - 120
Dibromofluoromethane (Surr)	90		80 - 120
4-Bromofluorobenzene (Surr)	98		80 - 120
Toluene-d8 (Surr)	99		80 - 120

Lab Sample ID: LCSD 410-835204/5

Matrix: Water

Analysis Batch: 835204

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	20.0	19.3		ug/L		96	75 - 120	1	30
trans-1,3-Dichloropropene	20.0	19.0		ug/L		95	67 - 120	2	30
Ethylbenzene	20.0	19.1		ug/L		95	80 - 120	1	30
Styrene	20.0	19.0		ug/L		95	80 - 120	1	30
1,4-Dichlorobenzene	20.0	20.0		ug/L		100	80 - 120	2	30
1,2-Dibromoethane	20.0	19.9		ug/L		99	77 - 120	2	30
1,2-Dichloroethane	20.0	18.9		ug/L		95	73 - 124	2	30
4-Methyl-2-pentanone	250	263		ug/L		105	62 - 133	1	30
Methylcyclohexane	20.0	18.8		ug/L		94	60 - 121	2	30
Toluene	20.0	19.1		ug/L		96	80 - 120	3	30
Chlorobenzene	20.0	20.3		ug/L		101	80 - 120	0	30
Cyclohexane	20.0	19.8		ug/L		99	60 - 126	1	30
1,2,4-Trichlorobenzene	20.0	19.1		ug/L		95	63 - 127	0	30
Dibromochloromethane	20.0	18.6		ug/L		93	71 - 120	0	30
Xylenes, Total	60.0	57.0		ug/L		95	80 - 120	2	30
Tetrachloroethene	20.0	19.2		ug/L		96	80 - 120	4	30
cis-1,2-Dichloroethene	20.0	17.5		ug/L		87	80 - 125	5	30
trans-1,2-Dichloroethene	20.0	19.0		ug/L		95	80 - 126	2	30
Methyl tertiary butyl ether	20.0	19.4		ug/L		97	69 - 122	3	30
1,3-Dichlorobenzene	20.0	19.9		ug/L		99	80 - 120	0	30
Carbon tetrachloride	20.0	19.7		ug/L		98	64 - 134	3	30
2-Hexanone	250	262		ug/L		105	56 - 143	2	30
Acetone	250	235		ug/L		94	57 - 150	10	30
Chloroform	20.0	17.5		ug/L		87	72 - 120	4	30
Benzene	20.0	19.6		ug/L		98	80 - 120	3	30
1,1,1-Trichloroethane	20.0	19.1		ug/L		96	73 - 120	2	30
Bromomethane	20.0	18.6		ug/L		93	61 - 128	3	30
Chloromethane	20.0	18.0		ug/L		90	48 - 134	2	30
Chloroethane	20.0	20.2		ug/L		101	67 - 123	5	30
Vinyl chloride	20.0	17.7		ug/L		89	56 - 120	4	30
Methylene Chloride	20.0	20.4		ug/L		102	80 - 120	1	30
Carbon disulfide	20.0	18.4		ug/L		92	55 - 139	5	30
Bromoform	20.0	19.1		ug/L		95	63 - 128	1	30
Bromodichloromethane	20.0	19.1		ug/L		96	71 - 120	0	30
1,1-Dichloroethane	20.0	19.2		ug/L		96	80 - 126	4	30
1,1-Dichloroethene	20.0	21.0		ug/L		105	80 - 131	1	30
Trichlorofluoromethane	20.0	14.4		ug/L		72	57 - 120	4	30
Dichlorodifluoromethane	20.0	17.3		ug/L		86	40 - 127	6	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-835204/5

Matrix: Water

Analysis Batch: 835204

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Freon 113	20.0	20.4		ug/L		102	57 - 122	2	30
1,2-Dichloropropane	20.0	20.7		ug/L		104	80 - 120	1	30
2-Butanone	250	250		ug/L		100	59 - 135	2	30
1,1,2-Trichloroethane	20.0	19.6		ug/L		98	80 - 120	2	30
Trichloroethene	20.0	21.2		ug/L		106	80 - 120	3	30
Methyl acetate	20.0	23.8		ug/L		119	55 - 157	1	30
1,1,2,2-Tetrachloroethane	20.0	17.1		ug/L		85	72 - 127	2	30
1,2-Dichlorobenzene	20.0	19.8		ug/L		99	80 - 120	4	30
1,2-Dibromo-3-Chloropropane	20.0	18.7		ug/L		93	60 - 120	1	30
Isopropylbenzene	20.0	18.9		ug/L		95	80 - 132	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		80 - 120
Dibromofluoromethane (Surr)	89		80 - 120
4-Bromofluorobenzene (Surr)	98		80 - 120
Toluene-d8 (Surr)	98		80 - 120

Lab Sample ID: MB 410-835897/7

Matrix: Water

Analysis Batch: 835897

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/16/26 10:27	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/16/26 10:27	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/16/26 10:27	1
Styrene	ND		5.0	0.30	ug/L			06/16/26 10:27	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/16/26 10:27	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/16/26 10:27	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/16/26 10:27	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/16/26 10:27	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/16/26 10:27	1
Toluene	ND		1.0	0.30	ug/L			06/16/26 10:27	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/16/26 10:27	1
Cyclohexane	ND		5.0	1.0	ug/L			06/16/26 10:27	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/16/26 10:27	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/16/26 10:27	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/16/26 10:27	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/16/26 10:27	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/16/26 10:27	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/16/26 10:27	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/16/26 10:27	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/16/26 10:27	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/16/26 10:27	1
2-Hexanone	ND		10	0.85	ug/L			06/16/26 10:27	1
Acetone	ND		20	0.70	ug/L			06/16/26 10:27	1
Chloroform	ND		1.0	0.30	ug/L			06/16/26 10:27	1
Benzene	ND		1.0	0.30	ug/L			06/16/26 10:27	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/16/26 10:27	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-835897/7

Matrix: Water

Analysis Batch: 835897

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		1.0	0.30	ug/L			06/16/26 10:27	1
Chloromethane	ND		2.0	0.55	ug/L			06/16/26 10:27	1
Chloroethane	ND		1.0	0.30	ug/L			06/16/26 10:27	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/16/26 10:27	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/16/26 10:27	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/16/26 10:27	1
Bromoform	ND		4.0	1.0	ug/L			06/16/26 10:27	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/16/26 10:27	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/16/26 10:27	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/16/26 10:27	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/16/26 10:27	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/16/26 10:27	1
Freon 113	ND		10	0.30	ug/L			06/16/26 10:27	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/16/26 10:27	1
2-Butanone	ND		10	1.0	ug/L			06/16/26 10:27	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/16/26 10:27	1
Trichloroethene	ND		1.0	0.30	ug/L			06/16/26 10:27	1
Methyl acetate	ND		5.0	0.60	ug/L			06/16/26 10:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/16/26 10:27	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/16/26 10:27	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/16/26 10:27	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/16/26 10:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		80 - 120		06/16/26 10:27	1
Dibromofluoromethane (Surr)	93		80 - 120		06/16/26 10:27	1
4-Bromofluorobenzene (Surr)	99		80 - 120		06/16/26 10:27	1
Toluene-d8 (Surr)	95		80 - 120		06/16/26 10:27	1

Lab Sample ID: LCS 410-835897/4

Matrix: Water

Analysis Batch: 835897

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	20.0	19.5		ug/L		97	75 - 120
trans-1,3-Dichloropropene	20.0	18.9		ug/L		95	67 - 120
Ethylbenzene	20.0	19.6		ug/L		98	80 - 120
Styrene	20.0	19.5		ug/L		97	80 - 120
1,4-Dichlorobenzene	20.0	19.8		ug/L		99	80 - 120
1,2-Dibromoethane	20.0	19.9		ug/L		99	77 - 120
1,2-Dichloroethane	20.0	19.5		ug/L		98	73 - 124
4-Methyl-2-pentanone	250	268		ug/L		107	62 - 133
Methylcyclohexane	20.0	19.2		ug/L		96	60 - 121
Toluene	20.0	19.5		ug/L		97	80 - 120
Chlorobenzene	20.0	20.3		ug/L		101	80 - 120
Cyclohexane	20.0	20.3		ug/L		101	60 - 126
1,2,4-Trichlorobenzene	20.0	19.0		ug/L		95	63 - 127
Dibromochloromethane	20.0	18.8		ug/L		94	71 - 120

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-835897/4

Matrix: Water

Analysis Batch: 835897

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Xylenes, Total	60.0	58.5		ug/L		98	80 - 120
Tetrachloroethene	20.0	19.6		ug/L		98	80 - 120
cis-1,2-Dichloroethene	20.0	18.4		ug/L		92	80 - 125
trans-1,2-Dichloroethene	20.0	20.2		ug/L		101	80 - 126
Methyl tertiary butyl ether	20.0	19.7		ug/L		98	69 - 122
1,3-Dichlorobenzene	20.0	20.2		ug/L		101	80 - 120
Carbon tetrachloride	20.0	20.9		ug/L		104	64 - 134
2-Hexanone	250	265		ug/L		106	56 - 143
Acetone	250	232		ug/L		93	57 - 150
Chloroform	20.0	18.3		ug/L		92	72 - 120
Benzene	20.0	20.3		ug/L		101	80 - 120
1,1,1-Trichloroethane	20.0	20.1		ug/L		101	73 - 120
Bromomethane	20.0	19.2		ug/L		96	61 - 128
Chloromethane	20.0	18.5		ug/L		93	48 - 134
Chloroethane	20.0	20.7		ug/L		103	67 - 123
Vinyl chloride	20.0	18.2		ug/L		91	56 - 120
Methylene Chloride	20.0	21.3		ug/L		107	80 - 120
Carbon disulfide	20.0	21.0		ug/L		105	55 - 139
Bromoform	20.0	19.3		ug/L		97	63 - 128
Bromodichloromethane	20.0	19.3		ug/L		97	71 - 120
1,1-Dichloroethane	20.0	20.7		ug/L		103	80 - 126
1,1-Dichloroethene	20.0	21.8		ug/L		109	80 - 131
Trichlorofluoromethane	20.0	14.1		ug/L		70	57 - 120
Dichlorodifluoromethane	20.0	16.7		ug/L		84	40 - 127
Freon 113	20.0	20.6		ug/L		103	57 - 122
1,2-Dichloropropane	20.0	21.4		ug/L		107	80 - 120
2-Butanone	250	261		ug/L		104	59 - 135
1,1,2-Trichloroethane	20.0	19.8		ug/L		99	80 - 120
Trichloroethene	20.0	19.7		ug/L		98	80 - 120
Methyl acetate	20.0	23.5		ug/L		118	55 - 157
1,1,2,2-Tetrachloroethane	20.0	18.9		ug/L		95	72 - 127
1,2-Dichlorobenzene	20.0	19.2		ug/L		96	80 - 120
1,2-Dibromo-3-Chloropropane	20.0	19.5		ug/L		98	60 - 120
Isopropylbenzene	20.0	19.6		ug/L		98	80 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	91		80 - 120
4-Bromofluorobenzene (Surr)	99		80 - 120
Toluene-d8 (Surr)	98		80 - 120

Lab Sample ID: LCSD 410-835897/5

Matrix: Water

Analysis Batch: 835897

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	20.0	19.7		ug/L		99	75 - 120	1	30
trans-1,3-Dichloropropene	20.0	19.0		ug/L		95	67 - 120	0	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-835897/5

Matrix: Water

Analysis Batch: 835897

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylbenzene	20.0	19.5		ug/L		97	80 - 120	0	30
Styrene	20.0	19.6		ug/L		98	80 - 120	1	30
1,4-Dichlorobenzene	20.0	19.7		ug/L		99	80 - 120	0	30
1,2-Dibromoethane	20.0	20.4		ug/L		102	77 - 120	2	30
1,2-Dichloroethane	20.0	19.3		ug/L		97	73 - 124	1	30
4-Methyl-2-pentanone	250	271		ug/L		109	62 - 133	1	30
Methylcyclohexane	20.0	18.9		ug/L		94	60 - 121	1	30
Toluene	20.0	19.6		ug/L		98	80 - 120	1	30
Chlorobenzene	20.0	20.2		ug/L		101	80 - 120	0	30
Cyclohexane	20.0	20.2		ug/L		101	60 - 126	0	30
1,2,4-Trichlorobenzene	20.0	19.1		ug/L		95	63 - 127	0	30
Dibromochloromethane	20.0	19.2		ug/L		96	71 - 120	2	30
Xylenes, Total	60.0	58.6		ug/L		98	80 - 120	0	30
Tetrachloroethene	20.0	19.6		ug/L		98	80 - 120	0	30
cis-1,2-Dichloroethene	20.0	18.5		ug/L		92	80 - 125	1	30
trans-1,2-Dichloroethene	20.0	20.1		ug/L		101	80 - 126	1	30
Methyl tertiary butyl ether	20.0	19.9		ug/L		100	69 - 122	1	30
1,3-Dichlorobenzene	20.0	20.1		ug/L		101	80 - 120	0	30
Carbon tetrachloride	20.0	20.6		ug/L		103	64 - 134	1	30
2-Hexanone	250	269		ug/L		108	56 - 143	2	30
Acetone	250	257		ug/L		103	57 - 150	10	30
Chloroform	20.0	18.2		ug/L		91	72 - 120	1	30
Benzene	20.0	20.1		ug/L		100	80 - 120	1	30
1,1,1-Trichloroethane	20.0	20.2		ug/L		101	73 - 120	0	30
Bromomethane	20.0	18.9		ug/L		95	61 - 128	2	30
Chloromethane	20.0	18.7		ug/L		93	48 - 134	1	30
Chloroethane	20.0	20.6		ug/L		103	67 - 123	0	30
Vinyl chloride	20.0	18.0		ug/L		90	56 - 120	1	30
Methylene Chloride	20.0	21.4		ug/L		107	80 - 120	0	30
Carbon disulfide	20.0	20.4		ug/L		102	55 - 139	3	30
Bromoform	20.0	19.2		ug/L		96	63 - 128	1	30
Bromodichloromethane	20.0	19.6		ug/L		98	71 - 120	1	30
1,1-Dichloroethane	20.0	20.3		ug/L		102	80 - 126	2	30
1,1-Dichloroethene	20.0	22.0		ug/L		110	80 - 131	1	30
Trichlorofluoromethane	20.0	14.2		ug/L		71	57 - 120	1	30
Dichlorodifluoromethane	20.0	15.9		ug/L		79	40 - 127	5	30
Freon 113	20.0	19.8		ug/L		99	57 - 122	4	30
1,2-Dichloropropane	20.0	21.7		ug/L		109	80 - 120	2	30
2-Butanone	250	259		ug/L		103	59 - 135	1	30
1,1,2-Trichloroethane	20.0	20.1		ug/L		101	80 - 120	2	30
Trichloroethene	20.0	20.4		ug/L		102	80 - 120	3	30
Methyl acetate	20.0	27.0		ug/L		135	55 - 157	14	30
1,1,2,2-Tetrachloroethane	20.0	19.5		ug/L		98	72 - 127	3	30
1,2-Dichlorobenzene	20.0	19.5		ug/L		98	80 - 120	1	30
1,2-Dibromo-3-Chloropropane	20.0	19.3		ug/L		96	60 - 120	1	30
Isopropylbenzene	20.0	19.5		ug/L		98	80 - 132	0	30

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-835897/5

Matrix: Water

Analysis Batch: 835897

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		80 - 120
Dibromofluoromethane (Surr)	91		80 - 120
4-Bromofluorobenzene (Surr)	99		80 - 120
Toluene-d8 (Surr)	97		80 - 120

Method: 218.6 - Chromium, Hexavalent (Ion Chromatography)

Lab Sample ID: MB 410-828605/10

Matrix: Water

Analysis Batch: 828605

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB								
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/03/26 10:47	1	

Lab Sample ID: LCS 410-828605/9

Matrix: Water

Analysis Batch: 828605

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte			Spike	LCS	LCS				%Rec	
			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Cr (VI)			0.100	0.101		mg/L		101	90 - 110	

Lab Sample ID: 410-286356-18 MS

Matrix: Water

Analysis Batch: 828605

Client Sample ID: MW-27D

Prep Type: Dissolved

Analyte	Sample	Sample	Spike	MS	MS				%Rec	
	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Cr (VI)	ND		0.100	0.102		mg/L		102	75 - 125	

Lab Sample ID: 410-286356-18 MSD

Matrix: Water

Analysis Batch: 828605

Client Sample ID: MW-27D

Prep Type: Dissolved

Analyte	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Cr (VI)	ND		0.100	0.103		mg/L		103	75 - 125	1	20	

Lab Sample ID: 410-286356-20 MS

Matrix: Water

Analysis Batch: 828605

Client Sample ID: MW-5

Prep Type: Dissolved

Analyte	Sample	Sample	Spike	MS	MS				%Rec	
	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Cr (VI)	ND		0.100	0.103		mg/L		103	75 - 125	

Lab Sample ID: 410-286356-20 MSD

Matrix: Water

Analysis Batch: 828605

Client Sample ID: MW-5

Prep Type: Dissolved

Analyte	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Cr (VI)	ND		0.100	0.102		mg/L		102	75 - 125	1	20	

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 410-834897/5

Matrix: Water

Analysis Batch: 834897

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20	0.10	mg/L			06/13/26 00:59	1

Lab Sample ID: LCS 410-834897/3

Matrix: Water

Analysis Batch: 834897

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	1.50	1.49		mg/L		99	90 - 110

Lab Sample ID: LCSD 410-834897/4

Matrix: Water

Analysis Batch: 834897

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	1.50	1.49		mg/L		99	90 - 110	0	20

Lab Sample ID: 410-286356-14 MS

Matrix: Water

Analysis Batch: 834897

Client Sample ID: MW-22

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	13		10.0	23.1		mg/L		99	90 - 110

Lab Sample ID: 410-286356-14 DU

Matrix: Water

Analysis Batch: 834897

Client Sample ID: MW-22

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Fluoride	13		12.9		mg/L		2	15

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Lab Sample ID: MB 410-834494/15-A

Matrix: Water

Analysis Batch: 834692

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 834494

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.0	1.1	ng/L		06/12/26 14:11	06/13/26 12:40	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.60	ng/L		06/12/26 14:11	06/13/26 12:40	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.50	ng/L		06/12/26 14:11	06/13/26 12:40	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.80	ng/L		06/12/26 14:11	06/13/26 12:40	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.90	ng/L		06/12/26 14:11	06/13/26 12:40	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.50	ng/L		06/12/26 14:11	06/13/26 12:40	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.50	ng/L		06/12/26 14:11	06/13/26 12:40	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.50	ng/L		06/12/26 14:11	06/13/26 12:40	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.50	ng/L		06/12/26 14:11	06/13/26 12:40	1
Perfluorotridecanoic acid (PFTTrDA)	ND		2.0	0.50	ng/L		06/12/26 14:11	06/13/26 12:40	1
Perfluorotetradecanoic acid (PFTeDA)	ND		2.0	0.50	ng/L		06/12/26 14:11	06/13/26 12:40	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.50	ng/L		06/12/26 14:11	06/13/26 12:40	1

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 410-834494/15-A

Matrix: Water

Analysis Batch: 834692

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 834494

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.50	ng/L		06/12/26 14:11	06/13/26 12:40	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.80	ng/L		06/12/26 14:11	06/13/26 12:40	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.50	ng/L		06/12/26 14:11	06/13/26 12:40	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	1.3	ng/L		06/12/26 14:11	06/13/26 12:40	1
Perfluorononanesulfonic acid (PFNS)	ND		2.0	0.50	ng/L		06/12/26 14:11	06/13/26 12:40	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.50	ng/L		06/12/26 14:11	06/13/26 12:40	1
Perfluorododecanesulfonic acid (PFDoS)	ND		2.0	0.60	ng/L		06/12/26 14:11	06/13/26 12:40	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		4.0	1.0	ng/L		06/12/26 14:11	06/13/26 12:40	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		4.0	1.0	ng/L		06/12/26 14:11	06/13/26 12:40	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		4.0	1.0	ng/L		06/12/26 14:11	06/13/26 12:40	1
Perfluorooctanesulfonamide (PFOSA)	ND		2.0	0.50	ng/L		06/12/26 14:11	06/13/26 12:40	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.978	J B	2.0	0.50	ng/L		06/12/26 14:11	06/13/26 12:40	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	1.18	J B	2.0	1.1	ng/L		06/12/26 14:11	06/13/26 12:40	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.0	0.50	ng/L		06/12/26 14:11	06/13/26 12:40	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.0	0.50	ng/L		06/12/26 14:11	06/13/26 12:40	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		10	4.0	ng/L		06/12/26 14:11	06/13/26 12:40	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	4.59	J B	10	4.0	ng/L		06/12/26 14:11	06/13/26 12:40	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		2.0	1.4	ng/L		06/12/26 14:11	06/13/26 12:40	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.50	ng/L		06/12/26 14:11	06/13/26 12:40	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.50	ng/L		06/12/26 14:11	06/13/26 12:40	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.50	ng/L		06/12/26 14:11	06/13/26 12:40	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.50	ng/L		06/12/26 14:11	06/13/26 12:40	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	ND		2.0	0.50	ng/L		06/12/26 14:11	06/13/26 12:40	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	ND		2.0	0.50	ng/L		06/12/26 14:11	06/13/26 12:40	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.50	ng/L		06/12/26 14:11	06/13/26 12:40	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		4.0	1.0	ng/L		06/12/26 14:11	06/13/26 12:40	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		10	2.8	ng/L		06/12/26 14:11	06/13/26 12:40	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		10	2.5	ng/L		06/12/26 14:11	06/13/26 12:40	1
Isotope Dilution	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	104		5 - 130				06/12/26 14:11	06/13/26 12:40	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 410-834494/15-A

Matrix: Water

Analysis Batch: 834692

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 834494

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFPeA	104		40 - 130	06/12/26 14:11	06/13/26 12:40	1
13C5 PFHxA	93.3		40 - 130	06/12/26 14:11	06/13/26 12:40	1
13C4 PFHpA	95.2		40 - 130	06/12/26 14:11	06/13/26 12:40	1
13C8 PFOA	78.8		40 - 130	06/12/26 14:11	06/13/26 12:40	1
13C9 PFNA	77.3		40 - 130	06/12/26 14:11	06/13/26 12:40	1
13C6 PFDA	69.1		40 - 130	06/12/26 14:11	06/13/26 12:40	1
13C7 PFUnA	72.6		30 - 130	06/12/26 14:11	06/13/26 12:40	1
13C2 PFTeDA	62.6		10 - 130	06/12/26 14:11	06/13/26 12:40	1
13C3 PFBS	88.5		40 - 135	06/12/26 14:11	06/13/26 12:40	1
13C3 PFHxS	80.1		40 - 130	06/12/26 14:11	06/13/26 12:40	1
13C8 PFOS	78.5		40 - 130	06/12/26 14:11	06/13/26 12:40	1
13C8 FOSA	90.5		40 - 130	06/12/26 14:11	06/13/26 12:40	1
d3-NMeFOSAA	73.0		40 - 170	06/12/26 14:11	06/13/26 12:40	1
d5-NEtFOSAA	76.9		25 - 135	06/12/26 14:11	06/13/26 12:40	1
13C2 4:2 FTS	96.9		40 - 200	06/12/26 14:11	06/13/26 12:40	1
13C2 6:2 FTS	87.3		40 - 200	06/12/26 14:11	06/13/26 12:40	1
13C2 8:2 FTS	80.0		40 - 300	06/12/26 14:11	06/13/26 12:40	1
13C3 HFPO-DA	90.0		40 - 130	06/12/26 14:11	06/13/26 12:40	1
d7-N-MeFOSE-M	55.0		10 - 130	06/12/26 14:11	06/13/26 12:40	1
d9-N-EtFOSE-M	48.4		10 - 130	06/12/26 14:11	06/13/26 12:40	1
d5-NEtPFOSA	73.3		10 - 130	06/12/26 14:11	06/13/26 12:40	1
d3-NMePFOSA	76.8		10 - 130	06/12/26 14:11	06/13/26 12:40	1
13C2 PFDoA	72.2		10 - 130	06/12/26 14:11	06/13/26 12:40	1
13C3-3:3 FTCA	119		20 - 150	06/12/26 14:11	06/13/26 12:40	1
13C3-5:3 FTCA	98.2		20 - 150	06/12/26 14:11	06/13/26 12:40	1
13C3-PFDoS	75.4		20 - 150	06/12/26 14:11	06/13/26 12:40	1

Lab Sample ID: LCS 410-834494/16-A

Matrix: Water

Analysis Batch: 834692

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 834494

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	80.0	81.0		ng/L		101	70 - 140
Perfluoropentanoic acid (PFPeA)	40.0	33.7		ng/L		84	65 - 135
Perfluorohexanoic acid (PFHxA)	40.0	36.5		ng/L		91	70 - 145
Perfluoroheptanoic acid (PFHpA)	40.0	35.0		ng/L		88	70 - 150
Perfluorooctanoic acid (PFOA)	40.0	35.6		ng/L		89	70 - 150
Perfluorononanoic acid (PFNA)	40.0	36.5		ng/L		91	70 - 150
Perfluorodecanoic acid (PFDA)	40.0	37.1		ng/L		93	70 - 140
Perfluoroundecanoic acid (PFUnA)	40.0	36.3		ng/L		91	70 - 145
Perfluorododecanoic acid (PFDoA)	40.0	35.3		ng/L		88	70 - 140
Perfluorotridecanoic acid (PFTTrDA)	40.0	39.6		ng/L		99	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	40.0	35.1		ng/L		88	60 - 140
Perfluorobutanesulfonic acid (PFBS)	35.5	31.9		ng/L		90	60 - 145

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-834494/16-A

Matrix: Water

Analysis Batch: 834692

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 834494

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoropentanesulfonic acid (PFPeS)	37.6	34.9		ng/L		93	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	36.5	31.4		ng/L		86	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	38.2	40.3		ng/L		106	70 - 150
Perfluorooctanesulfonic acid (PFOS)	37.2	38.2		ng/L		103	55 - 150
Perfluorononanesulfonic acid (PFNS)	38.5	39.4		ng/L		102	65 - 145
Perfluorodecanesulfonic acid (PFDS)	38.6	42.0		ng/L		109	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	38.8	36.3		ng/L		93	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	75.0	63.0		ng/L		84	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	76.2	65.3		ng/L		86	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	76.8	61.9		ng/L		81	60 - 150
Perfluorooctanesulfonamide (PFOSA)	40.0	37.2		ng/L		93	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	40.0	34.5		ng/L		86	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	40.0	34.9		ng/L		87	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	34.7		ng/L		87	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	35.7		ng/L		89	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	200	181		ng/L		90	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	200	183		ng/L		92	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	30.1	27.0		ng/L		90	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	31.4		ng/L		83	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	40.0	35.1		ng/L		88	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	40.0	33.5		ng/L		84	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	40.0	32.8		ng/L		82	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	37.4	40.0		ng/L		107	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	37.8	38.5		ng/L		102	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	35.7	30.7		ng/L		86	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	80.0	67.7		ng/L		85	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	200	168		ng/L		84	70 - 135

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-834494/16-A

Matrix: Water

Analysis Batch: 834692

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 834494

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	200	136		ng/L		68	50 - 145
Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits				
13C4 PFBA	106		5 - 130				
13C5 PFPeA	112		40 - 130				
13C5 PFHxA	101		40 - 130				
13C4 PFHpA	97.7		40 - 130				
13C8 PFOA	86.5		40 - 130				
13C9 PFNA	81.5		40 - 130				
13C6 PFDA	71.3		40 - 130				
13C7 PFUnA	73.4		30 - 130				
13C2 PFTeDA	63.7		10 - 130				
13C3 PFBS	85.3		40 - 135				
13C3 PFHxS	79.5		40 - 130				
13C8 PFOS	79.0		40 - 130				
13C8 FOSA	102		40 - 130				
d3-NMeFOSAA	85.6		40 - 170				
d5-NEtFOSAA	84.4		25 - 135				
13C2 4:2 FTS	99.5		40 - 200				
13C2 6:2 FTS	85.5		40 - 200				
13C2 8:2 FTS	82.0		40 - 300				
13C3 HFPO-DA	101		40 - 130				
d7-N-MeFOSE-M	71.4		10 - 130				
d9-N-EtFOSE-M	60.7		10 - 130				
d5-NEtPFOSA	82.3		10 - 130				
d3-NMePFOSA	86.2		10 - 130				
13C2 PFDoA	75.9		10 - 130				
13C3-3:3 FTCA	116		20 - 150				
13C3-5:3 FTCA	106		20 - 150				
13C3-PFDoS	79.8		20 - 150				

Lab Sample ID: LLCS 410-834494/17-A

Matrix: Water

Analysis Batch: 834692

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 834494

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	8.00	8.95		ng/L		112	70 - 140
Perfluoropentanoic acid (PFPeA)	4.00	4.31		ng/L		108	65 - 135
Perfluorohexanoic acid (PFHxA)	4.00	4.71		ng/L		118	70 - 145
Perfluoroheptanoic acid (PFHpA)	4.00	4.14		ng/L		104	70 - 150
Perfluorooctanoic acid (PFOA)	4.00	4.55		ng/L		114	70 - 150
Perfluorononanoic acid (PFNA)	4.00	4.65		ng/L		116	70 - 150
Perfluorodecanoic acid (PFDA)	4.00	4.39		ng/L		110	70 - 140
Perfluoroundecanoic acid (PFUnA)	4.00	4.58		ng/L		115	70 - 145
Perfluorododecanoic acid (PFDoA)	4.00	4.75		ng/L		119	70 - 140
Perfluorotridecanoic acid (PFTTrDA)	4.00	4.52		ng/L		113	65 - 140

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 410-834494/17-A

Matrix: Water

Analysis Batch: 834692

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 834494

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorotetradecanoic acid (PFTeDA)	4.00	3.92		ng/L		98	60 - 140
Perfluorobutanesulfonic acid (PFBS)	3.55	3.90		ng/L		110	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	3.76	4.00		ng/L		106	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	3.65	3.94		ng/L		108	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	3.82	4.88		ng/L		128	70 - 150
Perfluorooctanesulfonic acid (PFOS)	3.72	4.27		ng/L		115	55 - 150
Perfluorononanesulfonic acid (PFNS)	3.85	4.41		ng/L		115	65 - 145
Perfluorodecanesulfonic acid (PFDS)	3.86	4.29		ng/L		111	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	3.88	4.19		ng/L		108	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	7.50	7.85		ng/L		105	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	7.62	8.53		ng/L		112	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	7.68	8.78		ng/L		114	60 - 150
Perfluorooctanesulfonamide (PFOSA)	4.00	4.69		ng/L		117	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	4.00	4.48		ng/L		112	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	4.00	3.83		ng/L		96	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.00	5.06		ng/L		126	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.00	4.72		ng/L		118	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	20.0	21.7		ng/L		109	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	20.0	21.3		ng/L		106	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	3.01	3.24		ng/L		108	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.78	3.97		ng/L		105	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.00	4.43		ng/L		111	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.00	4.34		ng/L		108	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.00	4.17		ng/L		104	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	3.74	4.24		ng/L		114	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	3.78	4.35		ng/L		115	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	3.57	3.55		ng/L		99	70 - 140

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 410-834494/17-A

Matrix: Water

Analysis Batch: 834692

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 834494

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
3-Perfluoropropylpropanoic acid (3:3 FTCA)	8.00	9.69		ng/L		121	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	20.0	23.1		ng/L		115	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	20.0	20.0		ng/L		100	50 - 145

Isotope Dilution	LLCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	103		5 - 130
13C5 PFPeA	105		40 - 130
13C5 PFHxA	108		40 - 130
13C4 PFHpA	107		40 - 130
13C8 PFOA	90.7		40 - 130
13C9 PFNA	90.5		40 - 130
13C6 PFDA	80.1		40 - 130
13C7 PFUnA	81.3		30 - 130
13C2 PFTeDA	72.4		10 - 130
13C3 PFBS	96.0		40 - 135
13C3 PFHxS	93.2		40 - 130
13C8 PFOS	92.3		40 - 130
13C8 FOSA	100		40 - 130
d3-NMeFOSAA	85.4		40 - 170
d5-NEtFOSAA	85.0		25 - 135
13C2 4:2 FTS	99.7		40 - 200
13C2 6:2 FTS	92.4		40 - 200
13C2 8:2 FTS	87.1		40 - 300
13C3 HFPO-DA	99.6		40 - 130
d7-N-MeFOSE-M	66.5		10 - 130
d9-N-EtFOSE-M	53.7		10 - 130
d5-NEtPFOSA	80.8		10 - 130
d3-NMePFOSA	84.5		10 - 130
13C2 PFDoA	78.3		10 - 130
13C3-3:3 FTCA	133		20 - 150
13C3-5:3 FTCA	102		20 - 150
13C3-PFDoS	83.3		20 - 150

Lab Sample ID: 410-286356-14 MS

Matrix: Water

Analysis Batch: 834692

Client Sample ID: MW-22

Prep Type: Total/NA

Prep Batch: 834494

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	37		70.8	104		ng/L		95	70 - 140
Perfluoropentanoic acid (PFPeA)	120		35.4	161		ng/L		115	65 - 135
Perfluorohexanoic acid (PFHxA)	99	FL	35.4	123	FL	ng/L		68	70 - 145
Perfluoroheptanoic acid (PFHpA)	48		35.4	78.4		ng/L		86	70 - 150
Perfluorooctanoic acid (PFOA)	43		35.4	73.0		ng/L		84	70 - 150
Perfluorononanoic acid (PFNA)	14		35.4	46.5		ng/L		93	70 - 150
Perfluorodecanoic acid (PFDA)	0.49	J	35.4	36.6		ng/L		102	70 - 140
Perfluoroundecanoic acid (PFUnA)	ND		35.4	37.3		ng/L		105	70 - 145

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: 410-286356-14 MS

Matrix: Water

Analysis Batch: 834692

Client Sample ID: MW-22

Prep Type: Total/NA

Prep Batch: 834494

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorodecanoic acid (PFDoA)	ND		35.4	32.5		ng/L		92	70 - 140
Perfluorotridecanoic acid (PFTTrDA)	ND		35.4	39.2		ng/L		111	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	ND		35.4	35.2		ng/L		99	60 - 140
Perfluorobutanesulfonic acid (PFBS)	ND	I cn	31.4	29.3		ng/L		92	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	ND		33.3	37.9		ng/L		114	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	0.90	J	32.3	31.0		ng/L		93	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	ND	FH	33.8	71.7	FH	ng/L		212	70 - 150
Perfluorooctanesulfonic acid (PFOS)	1.6		32.9	35.7		ng/L		104	55 - 150
Perfluorononanesulfonic acid (PFNS)	ND		34.1	23.4		ng/L		69	65 - 145
Perfluorodecanesulfonic acid (PFDS)	ND		34.1	29.1		ng/L		85	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	ND		34.3	30.7		ng/L		89	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		66.4	59.4		ng/L		89	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	85		67.4	143		ng/L		85	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	17		68.0	76.2		ng/L		86	60 - 150
Perfluorooctanesulfonamide (PFOSA)	ND		35.4	36.3		ng/L		102	70 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		35.4	32.0		ng/L		90	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		35.4	34.2		ng/L		97	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		177	166		ng/L		94	70 - 145
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		26.6	27.2		ng/L		102	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		33.5	29.8		ng/L		89	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		35.4	35.7		ng/L		101	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		35.4	33.2		ng/L		94	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		35.4	31.3		ng/L		88	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		33.1	23.0		ng/L		70	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		33.4	29.8		ng/L		89	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		31.6	29.3		ng/L		93	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	2.4	J	70.8	68.3		ng/L		93	65 - 130

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: 410-286356-14 MS

Matrix: Water

Analysis Batch: 834692

Client Sample ID: MW-22

Prep Type: Total/NA

Prep Batch: 834494

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
3-Perfluoropentylpropanoic acid (5:3 FTCA)	16		177	168		ng/L		86	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		177	117		ng/L		66	50 - 145
Isotope Dilution	MS %Recovery	MS Qualifier	Limits						
13C4 PFBA	120		5 - 130						
13C5 PFPeA	124		40 - 130						
13C5 PFHxA	120		40 - 130						
13C4 PFHpA	119		40 - 130						
13C8 PFOA	99.0		40 - 130						
13C9 PFNA	84.4		40 - 130						
13C6 PFDA	46.8		40 - 130						
13C7 PFUnA	36.6		30 - 130						
13C2 PFTeDA	24.3		10 - 130						
13C3 PFBS	113		40 - 135						
13C3 PFHxS	83.2		40 - 130						
13C8 PFOS	30.1	*5-	40 - 130						
13C8 FOSA	71.7		40 - 130						
d3-NMeFOSAA	52.4		40 - 170						
d5-NEtFOSAA	52.7		25 - 135						
13C2 4:2 FTS	129		40 - 200						
13C2 6:2 FTS	103		40 - 200						
13C2 8:2 FTS	59.4		40 - 300						
13C3 HFPO-DA	121		40 - 130						
d7-N-MeFOSE-M	49.7		10 - 130						
d9-N-EtFOSE-M	39.0		10 - 130						
d5-NEtPFOSA	54.9		10 - 130						
d3-NMePFOSA	60.3		10 - 130						
13C2 PFDoA	33.7		10 - 130						
13C3-3:3 FTCA	152	*5+	20 - 150						
13C3-5:3 FTCA	117		20 - 150						
13C3-PFDoS	28.5		20 - 150						

Lab Sample ID: 410-286356-14 MSD

Matrix: Water

Analysis Batch: 834692

Client Sample ID: MW-22

Prep Type: Total/NA

Prep Batch: 834494

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	37		67.1	103		ng/L		97	70 - 140	2	30
Perfluoropentanoic acid (PFPeA)	120		33.6	149		ng/L		86	65 - 135	8	30
Perfluorohexanoic acid (PFHxA)	99	FL	33.6	124		ng/L		72	70 - 145	0	30
Perfluoroheptanoic acid (PFHpA)	48		33.6	79.5		ng/L		95	70 - 150	1	30
Perfluorooctanoic acid (PFOA)	43		33.6	75.9		ng/L		97	70 - 150	4	30
Perfluorononanoic acid (PFNA)	14		33.6	45.2		ng/L		94	70 - 150	3	30
Perfluorodecanoic acid (PFDA)	0.49	J	33.6	35.6		ng/L		105	70 - 140	3	30
Perfluoroundecanoic acid (PFUnA)	ND		33.6	32.1		ng/L		96	70 - 145	15	30
Perfluorododecanoic acid (PFDoA)	ND		33.6	30.7		ng/L		91	70 - 140	6	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: 410-286356-14 MSD

Matrix: Water

Analysis Batch: 834692

Client Sample ID: MW-22

Prep Type: Total/NA

Prep Batch: 834494

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorotridecanoic acid (PFTTrDA)	ND		33.6	36.2		ng/L		108	65 - 140	8	30
Perfluorotetradecanoic acid (PFTTeDA)	ND		33.6	30.2		ng/L		90	60 - 140	15	30
Perfluorobutanesulfonic acid (PFBS)	ND	I cn	29.8	28.0		ng/L		92	60 - 145	5	30
Perfluoropentanesulfonic acid (PFPeS)	ND		31.6	34.6		ng/L		110	65 - 140	9	30
Perfluorohexanesulfonic acid (PFHxS)	0.90	J	30.6	28.6		ng/L		90	65 - 145	8	30
Perfluoroheptanesulfonic acid (PFHpS)	ND	FH	32.0	60.9	FH	ng/L		190	70 - 150	16	30
Perfluorooctanesulfonic acid (PFOS)	1.6		31.2	34.6		ng/L		106	55 - 150	3	30
Perfluorononanesulfonic acid (PFNS)	ND		32.3	23.6		ng/L		73	65 - 145	1	30
Perfluorodecanesulfonic acid (PFDS)	ND		32.4	31.1		ng/L		96	60 - 145	7	30
Perfluorododecanesulfonic acid (PFDoS)	ND		32.6	30.0		ng/L		92	50 - 145	2	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		63.0	59.0		ng/L		94	70 - 145	1	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	85		63.9	144		ng/L		92	65 - 155	1	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	17		64.5	75.0		ng/L		89	60 - 150	1	30
Perfluorooctanesulfonamide (PFOSA)	ND		33.6	33.9		ng/L		101	70 - 145	7	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		33.6	33.1		ng/L		99	50 - 140	3	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		33.6	30.2		ng/L		90	70 - 145	12	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		168	160		ng/L		95	70 - 145	3	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		25.2	25.0		ng/L		99	70 - 140	8	30
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		31.8	30.6		ng/L		96	65 - 145	3	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		33.6	32.7		ng/L		97	55 - 140	9	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		33.6	31.4		ng/L		93	60 - 150	6	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		33.6	28.9		ng/L		86	50 - 150	8	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		31.4	23.6		ng/L		75	70 - 155	3	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		31.7	31.7		ng/L		100	55 - 160	6	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		29.9	28.3		ng/L		94	70 - 140	3	30
3-Perfluoropropylpropanoic acid (3:3 FTCA)	2.4	J	67.1	64.3		ng/L		92	65 - 130	6	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)	16		168	160		ng/L		86	70 - 135	5	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: 410-286356-14 MSD

Matrix: Water

Analysis Batch: 834692

Client Sample ID: MW-22

Prep Type: Total/NA

Prep Batch: 834494

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		168	136		ng/L		81	50 - 145	15	30
Isotope Dilution	MSD %Recovery	MSD Qualifier	MSD Limits								
13C4 PFBA	101		5 - 130								
13C5 PFPeA	99.9		40 - 130								
13C5 PFHxA	97.5		40 - 130								
13C4 PFHpA	97.6		40 - 130								
13C8 PFOA	87.0		40 - 130								
13C9 PFNA	76.9		40 - 130								
13C6 PFDA	49.9		40 - 130								
13C7 PFUnA	40.3		30 - 130								
13C2 PFTeDA	29.6		10 - 130								
13C3 PFBS	97.8		40 - 135								
13C3 PFHxS	77.9		40 - 130								
13C8 PFOS	33.8	*5-	40 - 130								
13C8 FOSA	79.9		40 - 130								
d3-NMeFOSAA	63.3		40 - 170								
d5-NEtFOSAA	63.4		25 - 135								
13C2 4:2 FTS	121		40 - 200								
13C2 6:2 FTS	101		40 - 200								
13C2 8:2 FTS	70.7		40 - 300								
13C3 HFPO-DA	92.3		40 - 130								
d7-N-MeFOSE-M	62.9		10 - 130								
d9-N-EtFOSE-M	50.9		10 - 130								
d5-NEtPFOSA	65.2		10 - 130								
d3-NMePFOSA	65.2		10 - 130								
13C2 PFDoA	38.0		10 - 130								
13C3-3:3 FTCA	118		20 - 150								
13C3-5:3 FTCA	98.2		20 - 150								
13C3-PFDoS	35.6		20 - 150								

Lab Sample ID: MB 410-834537/22-A

Matrix: Water

Analysis Batch: 834420

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 834537

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.0	1.1	ng/L		06/12/26 14:58	06/13/26 04:48	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.60	ng/L		06/12/26 14:58	06/13/26 04:48	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.50	ng/L		06/12/26 14:58	06/13/26 04:48	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.80	ng/L		06/12/26 14:58	06/13/26 04:48	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.90	ng/L		06/12/26 14:58	06/13/26 04:48	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.50	ng/L		06/12/26 14:58	06/13/26 04:48	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.50	ng/L		06/12/26 14:58	06/13/26 04:48	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.50	ng/L		06/12/26 14:58	06/13/26 04:48	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.50	ng/L		06/12/26 14:58	06/13/26 04:48	1
Perfluorotridecanoic acid (PFTrDA)	ND		2.0	0.50	ng/L		06/12/26 14:58	06/13/26 04:48	1
Perfluorotetradecanoic acid (PFTeDA)	ND		2.0	0.50	ng/L		06/12/26 14:58	06/13/26 04:48	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.50	ng/L		06/12/26 14:58	06/13/26 04:48	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 410-834537/22-A

Matrix: Water

Analysis Batch: 834420

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 834537

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.50	ng/L		06/12/26 14:58	06/13/26 04:48	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.80	ng/L		06/12/26 14:58	06/13/26 04:48	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.50	ng/L		06/12/26 14:58	06/13/26 04:48	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	1.3	ng/L		06/12/26 14:58	06/13/26 04:48	1
Perfluorononanesulfonic acid (PFNS)	ND		2.0	0.50	ng/L		06/12/26 14:58	06/13/26 04:48	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.50	ng/L		06/12/26 14:58	06/13/26 04:48	1
Perfluorododecanesulfonic acid (PFDoS)	ND		2.0	0.60	ng/L		06/12/26 14:58	06/13/26 04:48	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		4.0	1.0	ng/L		06/12/26 14:58	06/13/26 04:48	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		4.0	1.0	ng/L		06/12/26 14:58	06/13/26 04:48	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		4.0	1.0	ng/L		06/12/26 14:58	06/13/26 04:48	1
Perfluorooctanesulfonamide (PFOSA)	ND		2.0	0.50	ng/L		06/12/26 14:58	06/13/26 04:48	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		2.0	0.50	ng/L		06/12/26 14:58	06/13/26 04:48	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		2.0	1.1	ng/L		06/12/26 14:58	06/13/26 04:48	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.0	0.50	ng/L		06/12/26 14:58	06/13/26 04:48	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.0	0.50	ng/L		06/12/26 14:58	06/13/26 04:48	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		10	4.0	ng/L		06/12/26 14:58	06/13/26 04:48	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		10	4.0	ng/L		06/12/26 14:58	06/13/26 04:48	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		2.0	1.4	ng/L		06/12/26 14:58	06/13/26 04:48	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.50	ng/L		06/12/26 14:58	06/13/26 04:48	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.50	ng/L		06/12/26 14:58	06/13/26 04:48	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.50	ng/L		06/12/26 14:58	06/13/26 04:48	1
Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	0.529	J B	2.0	0.50	ng/L		06/12/26 14:58	06/13/26 04:48	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		2.0	0.50	ng/L		06/12/26 14:58	06/13/26 04:48	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.50	ng/L		06/12/26 14:58	06/13/26 04:48	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.50	ng/L		06/12/26 14:58	06/13/26 04:48	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		4.0	1.0	ng/L		06/12/26 14:58	06/13/26 04:48	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		10	2.8	ng/L		06/12/26 14:58	06/13/26 04:48	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		10	2.5	ng/L		06/12/26 14:58	06/13/26 04:48	1
Isotope Dilution	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	113		5 - 130				06/12/26 14:58	06/13/26 04:48	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 410-834537/22-A

Matrix: Water

Analysis Batch: 834420

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 834537

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFPeA	112		40 - 130	06/12/26 14:58	06/13/26 04:48	1
13C5 PFHxA	102		40 - 130	06/12/26 14:58	06/13/26 04:48	1
13C4 PFHpA	126		40 - 130	06/12/26 14:58	06/13/26 04:48	1
13C8 PFOA	106		40 - 130	06/12/26 14:58	06/13/26 04:48	1
13C9 PFNA	102		40 - 130	06/12/26 14:58	06/13/26 04:48	1
13C6 PFDA	88.4		40 - 130	06/12/26 14:58	06/13/26 04:48	1
13C7 PFUnA	102		30 - 130	06/12/26 14:58	06/13/26 04:48	1
13C2 PFTeDA	80.5		10 - 130	06/12/26 14:58	06/13/26 04:48	1
13C3 PFBS	107		40 - 135	06/12/26 14:58	06/13/26 04:48	1
13C3 PFHxS	107		40 - 130	06/12/26 14:58	06/13/26 04:48	1
13C8 PFOS	111		40 - 130	06/12/26 14:58	06/13/26 04:48	1
13C8 FOSA	90.9		40 - 130	06/12/26 14:58	06/13/26 04:48	1
d3-NMeFOSAA	87.4		40 - 170	06/12/26 14:58	06/13/26 04:48	1
d5-NEtFOSAA	88.2		25 - 135	06/12/26 14:58	06/13/26 04:48	1
13C2 4:2 FTS	117		40 - 200	06/12/26 14:58	06/13/26 04:48	1
13C2 6:2 FTS	137		40 - 200	06/12/26 14:58	06/13/26 04:48	1
13C2 8:2 FTS	130		40 - 300	06/12/26 14:58	06/13/26 04:48	1
13C3 HFPO-DA	106		40 - 130	06/12/26 14:58	06/13/26 04:48	1
d7-N-MeFOSE-M	71.7		10 - 130	06/12/26 14:58	06/13/26 04:48	1
d9-N-EtFOSE-M	52.3		10 - 130	06/12/26 14:58	06/13/26 04:48	1
d5-NEtPFOSA	81.4		10 - 130	06/12/26 14:58	06/13/26 04:48	1
d3-NMePFOSA	83.0		10 - 130	06/12/26 14:58	06/13/26 04:48	1
13C2 PFDoA	99.0		10 - 130	06/12/26 14:58	06/13/26 04:48	1
13C3-3:3 FTCA	118		20 - 150	06/12/26 14:58	06/13/26 04:48	1
13C3-5:3 FTCA	87.1		20 - 150	06/12/26 14:58	06/13/26 04:48	1
13C3-PFDoS	80.4		20 - 150	06/12/26 14:58	06/13/26 04:48	1

Lab Sample ID: LCS 410-834537/23-A

Matrix: Water

Analysis Batch: 834420

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 834537

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	80.0	79.3		ng/L		99	70 - 140
Perfluoropentanoic acid (PFPeA)	40.0	40.5		ng/L		101	65 - 135
Perfluorohexanoic acid (PFHxA)	40.0	34.2		ng/L		85	70 - 145
Perfluoroheptanoic acid (PFHpA)	40.0	33.2		ng/L		83	70 - 150
Perfluorooctanoic acid (PFOA)	40.0	39.2		ng/L		98	70 - 150
Perfluorononanoic acid (PFNA)	40.0	36.6		ng/L		91	70 - 150
Perfluorodecanoic acid (PFDA)	40.0	34.8		ng/L		87	70 - 140
Perfluoroundecanoic acid (PFUnA)	40.0	40.8		ng/L		102	70 - 145
Perfluorododecanoic acid (PFDoA)	40.0	43.8		ng/L		109	70 - 140
Perfluorotridecanoic acid (PFTTrDA)	40.0	40.4		ng/L		101	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	40.0	40.2		ng/L		100	60 - 140
Perfluorobutanesulfonic acid (PFBS)	35.5	33.8		ng/L		95	60 - 145

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-834537/23-A

Matrix: Water

Analysis Batch: 834420

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 834537

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoropentanesulfonic acid (PFPeS)	37.6	37.6		ng/L		100	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	36.5	35.4		ng/L		97	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	38.2	37.5		ng/L		98	70 - 150
Perfluorooctanesulfonic acid (PFOS)	37.2	32.9		ng/L		88	55 - 150
Perfluorononanesulfonic acid (PFNS)	38.5	34.7		ng/L		90	65 - 145
Perfluorodecanesulfonic acid (PFDS)	38.6	32.3		ng/L		84	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	38.8	38.8		ng/L		100	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	75.0	68.3		ng/L		91	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	76.2	76.9		ng/L		101	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	76.8	74.9		ng/L		97	60 - 150
Perfluorooctanesulfonamide (PFOSA)	40.0	43.2		ng/L		108	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	40.0	42.1		ng/L		105	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	40.0	37.4		ng/L		93	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	38.3		ng/L		96	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	34.7		ng/L		87	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	200	196		ng/L		98	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	200	211		ng/L		105	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	30.1	28.8		ng/L		96	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	38.0		ng/L		101	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	40.0	42.9		ng/L		107	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	40.0	36.4		ng/L		91	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	40.0	36.2		ng/L		90	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	37.4	34.9		ng/L		93	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	37.8	32.5		ng/L		86	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	35.7	32.5		ng/L		91	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	80.0	64.3		ng/L		80	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	200	152		ng/L		76	70 - 135

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-834537/23-A

Matrix: Water

Analysis Batch: 834420

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 834537

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	200	132		ng/L		66	50 - 145
Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits				
13C4 PFBA	113		5 - 130				
13C5 PFPeA	114		40 - 130				
13C5 PFHxA	119		40 - 130				
13C4 PFHpA	121		40 - 130				
13C8 PFOA	100		40 - 130				
13C9 PFNA	99.6		40 - 130				
13C6 PFDA	92.8		40 - 130				
13C7 PFUnA	98.9		30 - 130				
13C2 PFTeDA	81.4		10 - 130				
13C3 PFBS	105		40 - 135				
13C3 PFHxS	100		40 - 130				
13C8 PFOS	96.2		40 - 130				
13C8 FOSA	86.6		40 - 130				
d3-NMeFOSAA	80.3		40 - 170				
d5-NEtFOSAA	81.2		25 - 135				
13C2 4:2 FTS	117		40 - 200				
13C2 6:2 FTS	117		40 - 200				
13C2 8:2 FTS	118		40 - 300				
13C3 HFPO-DA	110		40 - 130				
d7-N-MeFOSE-M	73.1		10 - 130				
d9-N-EtFOSE-M	53.4		10 - 130				
d5-NEtPFOSA	77.4		10 - 130				
d3-NMePFOSA	75.4		10 - 130				
13C2 PFDoA	98.5		10 - 130				
13C3-3:3 FTCA	130		20 - 150				
13C3-5:3 FTCA	104		20 - 150				
13C3-PFDoS	68.6		20 - 150				

Lab Sample ID: LCSD 410-834537/24-A

Matrix: Water

Analysis Batch: 834420

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 834537

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	80.0	79.4		ng/L		99	70 - 140	0	30
Perfluoropentanoic acid (PFPeA)	40.0	38.4		ng/L		96	65 - 135	5	30
Perfluorohexanoic acid (PFHxA)	40.0	32.9		ng/L		82	70 - 145	4	30
Perfluoroheptanoic acid (PFHpA)	40.0	29.5		ng/L		74	70 - 150	12	30
Perfluorooctanoic acid (PFOA)	40.0	35.1		ng/L		88	70 - 150	11	30
Perfluorononanoic acid (PFNA)	40.0	36.6		ng/L		92	70 - 150	0	30
Perfluorodecanoic acid (PFDA)	40.0	32.8		ng/L		82	70 - 140	6	30
Perfluoroundecanoic acid (PFUnA)	40.0	41.9		ng/L		105	70 - 145	3	30
Perfluorododecanoic acid (PFDoA)	40.0	42.3		ng/L		106	70 - 140	3	30
Perfluorotridecanoic acid (PFTTrDA)	40.0	39.2		ng/L		98	65 - 140	3	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCSD 410-834537/24-A

Matrix: Water

Analysis Batch: 834420

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 834537

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorotetradecanoic acid (PFTeDA)	40.0	41.5		ng/L		104	60 - 140	3	30
Perfluorobutanesulfonic acid (PFBS)	35.5	30.4		ng/L		86	60 - 145	11	30
Perfluoropentanesulfonic acid (PFPeS)	37.6	36.1		ng/L		96	65 - 140	4	30
Perfluorohexanesulfonic acid (PFHxS)	36.5	34.4		ng/L		94	65 - 145	3	30
Perfluoroheptanesulfonic acid (PFHpS)	38.2	36.5		ng/L		96	70 - 150	2	30
Perfluorooctanesulfonic acid (PFOS)	37.2	33.0		ng/L		89	55 - 150	0	30
Perfluorononanesulfonic acid (PFNS)	38.5	36.0		ng/L		93	65 - 145	4	30
Perfluorodecanesulfonic acid (PFDS)	38.6	33.6		ng/L		87	60 - 145	4	30
Perfluorododecanesulfonic acid (PFDoS)	38.8	37.7		ng/L		97	50 - 145	3	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	75.0	68.0		ng/L		91	70 - 145	0	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	76.2	78.0		ng/L		102	65 - 155	1	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	76.8	79.5		ng/L		104	60 - 150	6	30
Perfluorooctanesulfonamide (PFOSA)	40.0	42.6		ng/L		107	70 - 145	1	30
N-methylperfluorooctane sulfonamide (NMeFOSA)	40.0	40.3		ng/L		101	60 - 150	4	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	40.0	39.4		ng/L		98	65 - 145	5	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	38.1		ng/L		95	50 - 140	1	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	36.2		ng/L		90	70 - 145	4	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	200	189		ng/L		95	70 - 145	4	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	200	199		ng/L		100	70 - 135	6	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	30.1	29.8		ng/L		99	70 - 140	3	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	36.5		ng/L		96	65 - 145	4	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	40.0	42.9		ng/L		107	55 - 140	0	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	40.0	39.4		ng/L		98	60 - 150	8	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	40.0	34.7		ng/L		87	50 - 150	4	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	37.4	35.6		ng/L		95	70 - 155	2	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	37.8	33.7		ng/L		89	55 - 160	3	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	35.7	28.6		ng/L		80	70 - 140	13	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCSD 410-834537/24-A

Matrix: Water

Analysis Batch: 834420

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 834537

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
3-Perfluoropropylpropanoic acid (3:3 FTCA)	80.0	66.8		ng/L		83	65 - 130	4	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)	200	169		ng/L		84	70 - 135	10	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	200	133		ng/L		67	50 - 145	1	30

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
13C4 PFBA	112		5 - 130
13C5 PFPeA	113		40 - 130
13C5 PFHxA	119		40 - 130
13C4 PFHpA	131	*5+	40 - 130
13C8 PFOA	104		40 - 130
13C9 PFNA	102		40 - 130
13C6 PFDA	91.8		40 - 130
13C7 PFUnA	96.0		30 - 130
13C2 PFTeDA	84.6		10 - 130
13C3 PFBS	116		40 - 135
13C3 PFHxS	102		40 - 130
13C8 PFOS	97.9		40 - 130
13C8 FOSA	88.1		40 - 130
d3-NMeFOSAA	82.7		40 - 170
d5-NEtFOSAA	80.4		25 - 135
13C2 4:2 FTS	116		40 - 200
13C2 6:2 FTS	118		40 - 200
13C2 8:2 FTS	110		40 - 300
13C3 HFPO-DA	113		40 - 130
d7-N-MeFOSE-M	73.3		10 - 130
d9-N-EtFOSE-M	62.6		10 - 130
d5-NEtPFOSA	76.8		10 - 130
d3-NMePFOSA	77.9		10 - 130
13C2 PFDoA	97.9		10 - 130
13C3-3:3 FTCA	133		20 - 150
13C3-5:3 FTCA	97.1		20 - 150
13C3-PFDoS	83.2		20 - 150

Lab Sample ID: LLCS 410-834537/1-A

Matrix: Water

Analysis Batch: 834420

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 834537

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	8.00	8.38		ng/L		105	70 - 140
Perfluoropentanoic acid (PFPeA)	4.00	4.23		ng/L		106	65 - 135
Perfluorohexanoic acid (PFHxA)	4.00	4.19		ng/L		105	70 - 145
Perfluoroheptanoic acid (PFHpA)	4.00	3.49		ng/L		87	70 - 150
Perfluorooctanoic acid (PFOA)	4.00	5.45		ng/L		136	70 - 150
Perfluorononanoic acid (PFNA)	4.00	4.18		ng/L		105	70 - 150
Perfluorodecanoic acid (PFDA)	4.00	4.52		ng/L		113	70 - 140
Perfluoroundecanoic acid (PFUnA)	4.00	3.93		ng/L		98	70 - 145

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 410-834537/1-A

Matrix: Water

Analysis Batch: 834420

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 834537

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorododecanoic acid (PFDoA)	4.00	4.04		ng/L		101	70 - 140
Perfluorotridecanoic acid (PFTTrDA)	4.00	4.36		ng/L		109	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	4.00	4.44		ng/L		111	60 - 140
Perfluorobutanesulfonic acid (PFBS)	3.55	3.46		ng/L		97	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	3.76	3.66		ng/L		97	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	3.65	3.90		ng/L		107	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	3.82	4.46		ng/L		117	70 - 150
Perfluorooctanesulfonic acid (PFOS)	3.72	3.48		ng/L		93	55 - 150
Perfluorononanesulfonic acid (PFNS)	3.85	3.60		ng/L		94	65 - 145
Perfluorodecanesulfonic acid (PFDS)	3.86	3.48		ng/L		90	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	3.88	4.06		ng/L		105	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	7.50	7.09		ng/L		94	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	7.62	8.33		ng/L		109	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	7.68	8.07		ng/L		105	60 - 150
Perfluorooctanesulfonamide (PFOSA)	4.00	4.94		ng/L		123	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	4.00	4.24		ng/L		106	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	4.00	4.20		ng/L		105	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.00	4.97		ng/L		124	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.00	4.78		ng/L		120	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	20.0	21.9		ng/L		109	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	20.0	23.5		ng/L		118	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	3.01	3.22		ng/L		107	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.78	3.85		ng/L		102	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.00	4.16		ng/L		104	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.00	3.70		ng/L		92	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.00	4.26		ng/L		107	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	3.74	3.91		ng/L		105	70 - 155

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 410-834537/1-A

Matrix: Water

Analysis Batch: 834420

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 834537

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	3.78	3.32		ng/L		88	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	3.57	3.47		ng/L		97	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	8.00	9.36		ng/L		117	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	20.0	28.5	*+	ng/L		143	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	20.0	18.3		ng/L		91	50 - 145

Isotope Dilution	LLCS %Recovery	LLCS Qualifier	Limits
13C4 PFBA	101		5 - 130
13C5 PFPeA	108		40 - 130
13C5 PFHxA	104		40 - 130
13C4 PFHpA	101		40 - 130
13C8 PFOA	88.0		40 - 130
13C9 PFNA	85.3		40 - 130
13C6 PFDA	71.5		40 - 130
13C7 PFUnA	78.0		30 - 130
13C2 PFTeDA	56.6		10 - 130
13C3 PFBS	94.7		40 - 135
13C3 PFHxS	91.6		40 - 130
13C8 PFOS	79.3		40 - 130
13C8 FOSA	76.1		40 - 130
d3-NMeFOSAA	65.6		40 - 170
d5-NEtFOSAA	65.6		25 - 135
13C2 4:2 FTS	109		40 - 200
13C2 6:2 FTS	97.1		40 - 200
13C2 8:2 FTS	100		40 - 300
13C3 HFPO-DA	100		40 - 130
d7-N-MeFOSE-M	57.9		10 - 130
d9-N-EtFOSE-M	45.3		10 - 130
d5-NEtPFOSA	62.5		10 - 130
d3-NMePFOSA	63.6		10 - 130
13C2 PFDoA	71.4		10 - 130
13C3-3:3 FTCA	133		20 - 150
13C3-5:3 FTCA	87.9		20 - 150
13C3-PFDoS	58.0		20 - 150

Lab Sample ID: MB 410-836810/8-A

Matrix: Water

Analysis Batch: 837246

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 836810

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.0	1.1	ng/L		06/17/26 09:59	06/18/26 14:17	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.60	ng/L		06/17/26 09:59	06/18/26 14:17	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.50	ng/L		06/17/26 09:59	06/18/26 14:17	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.80	ng/L		06/17/26 09:59	06/18/26 14:17	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 410-836810/8-A

Matrix: Water

Analysis Batch: 837246

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 836810

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	ND		2.0	0.90	ng/L		06/17/26 09:59	06/18/26 14:17	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.50	ng/L		06/17/26 09:59	06/18/26 14:17	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.50	ng/L		06/17/26 09:59	06/18/26 14:17	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.50	ng/L		06/17/26 09:59	06/18/26 14:17	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.50	ng/L		06/17/26 09:59	06/18/26 14:17	1
Perfluorotridecanoic acid (PFTTrDA)	ND		2.0	0.50	ng/L		06/17/26 09:59	06/18/26 14:17	1
Perfluorotetradecanoic acid (PFTeDA)	ND		2.0	0.50	ng/L		06/17/26 09:59	06/18/26 14:17	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.50	ng/L		06/17/26 09:59	06/18/26 14:17	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.50	ng/L		06/17/26 09:59	06/18/26 14:17	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.80	ng/L		06/17/26 09:59	06/18/26 14:17	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.50	ng/L		06/17/26 09:59	06/18/26 14:17	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	1.3	ng/L		06/17/26 09:59	06/18/26 14:17	1
Perfluorononanesulfonic acid (PFNS)	ND		2.0	0.50	ng/L		06/17/26 09:59	06/18/26 14:17	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.50	ng/L		06/17/26 09:59	06/18/26 14:17	1
Perfluorododecanesulfonic acid (PFDoS)	ND		2.0	0.60	ng/L		06/17/26 09:59	06/18/26 14:17	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		4.0	1.0	ng/L		06/17/26 09:59	06/18/26 14:17	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		4.0	1.0	ng/L		06/17/26 09:59	06/18/26 14:17	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		4.0	1.0	ng/L		06/17/26 09:59	06/18/26 14:17	1
Perfluorooctanesulfonamide (PFOSA)	ND		2.0	0.50	ng/L		06/17/26 09:59	06/18/26 14:17	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		2.0	0.50	ng/L		06/17/26 09:59	06/18/26 14:17	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		2.0	1.1	ng/L		06/17/26 09:59	06/18/26 14:17	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.0	0.50	ng/L		06/17/26 09:59	06/18/26 14:17	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.0	0.50	ng/L		06/17/26 09:59	06/18/26 14:17	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		10	4.0	ng/L		06/17/26 09:59	06/18/26 14:17	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		10	4.0	ng/L		06/17/26 09:59	06/18/26 14:17	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		2.0	1.4	ng/L		06/17/26 09:59	06/18/26 14:17	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.50	ng/L		06/17/26 09:59	06/18/26 14:17	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.50	ng/L		06/17/26 09:59	06/18/26 14:17	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.50	ng/L		06/17/26 09:59	06/18/26 14:17	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.50	ng/L		06/17/26 09:59	06/18/26 14:17	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	ND		2.0	0.50	ng/L		06/17/26 09:59	06/18/26 14:17	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	ND		2.0	0.50	ng/L		06/17/26 09:59	06/18/26 14:17	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.50	ng/L		06/17/26 09:59	06/18/26 14:17	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 410-836810/8-A

Matrix: Water

Analysis Batch: 837246

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 836810

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		4.0	1.0	ng/L		06/17/26 09:59	06/18/26 14:17	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		10	2.8	ng/L		06/17/26 09:59	06/18/26 14:17	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		10	2.5	ng/L		06/17/26 09:59	06/18/26 14:17	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	84.2		5 - 130	06/17/26 09:59	06/18/26 14:17	1
13C5 PFPeA	88.1		40 - 130	06/17/26 09:59	06/18/26 14:17	1
13C5 PFHxA	81.3		40 - 130	06/17/26 09:59	06/18/26 14:17	1
13C4 PFHpA	80.2		40 - 130	06/17/26 09:59	06/18/26 14:17	1
13C8 PFOA	78.3		40 - 130	06/17/26 09:59	06/18/26 14:17	1
13C9 PFNA	77.6		40 - 130	06/17/26 09:59	06/18/26 14:17	1
13C6 PFDA	74.7		40 - 130	06/17/26 09:59	06/18/26 14:17	1
13C7 PFUnA	75.1		30 - 130	06/17/26 09:59	06/18/26 14:17	1
13C2 PFTeDA	65.6		10 - 130	06/17/26 09:59	06/18/26 14:17	1
13C3 PFBS	81.6		40 - 135	06/17/26 09:59	06/18/26 14:17	1
13C3 PFHxS	68.4		40 - 130	06/17/26 09:59	06/18/26 14:17	1
13C8 PFOS	80.8		40 - 130	06/17/26 09:59	06/18/26 14:17	1
13C8 FOSA	66.7		40 - 130	06/17/26 09:59	06/18/26 14:17	1
d3-NMeFOSAA	74.3		40 - 170	06/17/26 09:59	06/18/26 14:17	1
d5-NEtFOSAA	67.2		25 - 135	06/17/26 09:59	06/18/26 14:17	1
13C2 4:2 FTS	91.4		40 - 200	06/17/26 09:59	06/18/26 14:17	1
13C2 6:2 FTS	89.2		40 - 200	06/17/26 09:59	06/18/26 14:17	1
13C2 8:2 FTS	135		40 - 300	06/17/26 09:59	06/18/26 14:17	1
13C3 HFPO-DA	83.4		40 - 130	06/17/26 09:59	06/18/26 14:17	1
d7-N-MeFOSE-M	49.3		10 - 130	06/17/26 09:59	06/18/26 14:17	1
d9-N-EtFOSE-M	45.7		10 - 130	06/17/26 09:59	06/18/26 14:17	1
d5-NEtPFOSA	53.4		10 - 130	06/17/26 09:59	06/18/26 14:17	1
d3-NMePFOSA	55.8		10 - 130	06/17/26 09:59	06/18/26 14:17	1
13C2 PFDoA	64.2		10 - 130	06/17/26 09:59	06/18/26 14:17	1
13C3-3:3 FTCA	108		20 - 150	06/17/26 09:59	06/18/26 14:17	1
13C3-5:3 FTCA	79.9		20 - 150	06/17/26 09:59	06/18/26 14:17	1
13C3-PFDoS	59.9		20 - 150	06/17/26 09:59	06/18/26 14:17	1

Lab Sample ID: LCS 410-836810/9-A

Matrix: Water

Analysis Batch: 837246

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 836810

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	80.0	79.1		ng/L		99	70 - 140
Perfluoropentanoic acid (PFPeA)	40.0	37.5		ng/L		94	65 - 135
Perfluorohexanoic acid (PFHxA)	40.0	34.3		ng/L		86	70 - 145
Perfluoroheptanoic acid (PFHpA)	40.0	34.0		ng/L		85	70 - 150
Perfluorooctanoic acid (PFOA)	40.0	34.2		ng/L		85	70 - 150
Perfluorononanoic acid (PFNA)	40.0	36.2		ng/L		91	70 - 150
Perfluorodecanoic acid (PFDA)	40.0	32.9		ng/L		82	70 - 140
Perfluoroundecanoic acid (PFUnA)	40.0	34.8		ng/L		87	70 - 145

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-836810/9-A

Matrix: Water

Analysis Batch: 837246

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 836810

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorododecanoic acid (PFDoA)	40.0	36.7		ng/L		92	70 - 140
Perfluorotridecanoic acid (PFTTrDA)	40.0	37.0		ng/L		92	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	40.0	36.6		ng/L		92	60 - 140
Perfluorobutanesulfonic acid (PFBS)	35.5	34.4		ng/L		97	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	37.6	36.8		ng/L		98	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	36.5	33.3		ng/L		91	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	38.2	33.8		ng/L		88	70 - 150
Perfluorooctanesulfonic acid (PFOS)	37.2	32.1		ng/L		86	55 - 150
Perfluorononanesulfonic acid (PFNS)	38.5	31.1		ng/L		81	65 - 145
Perfluorodecanesulfonic acid (PFDS)	38.6	30.2		ng/L		78	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	38.8	35.2		ng/L		91	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	75.0	73.1		ng/L		97	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	76.2	69.6		ng/L		91	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	76.8	71.1		ng/L		93	60 - 150
Perfluorooctanesulfonamide (PFOSA)	40.0	37.1		ng/L		93	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	40.0	38.4		ng/L		96	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	40.0	36.6		ng/L		92	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	34.6		ng/L		86	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	34.9		ng/L		87	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	200	188		ng/L		94	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	200	175		ng/L		88	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	30.1	29.4		ng/L		98	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	33.0		ng/L		87	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	40.0	39.7		ng/L		99	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	40.0	37.2		ng/L		93	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	40.0	36.3		ng/L		91	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	37.4	31.8		ng/L		85	70 - 155

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-836810/9-A

Matrix: Water

Analysis Batch: 837246

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 836810

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	37.8	30.0		ng/L		79	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	35.7	31.6		ng/L		89	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	80.0	60.2		ng/L		75	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	200	159		ng/L		79	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	200	128		ng/L		64	50 - 145

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFBA	84.7		5 - 130
13C5 PFPeA	83.6		40 - 130
13C5 PFHxA	82.5		40 - 130
13C4 PFHpA	79.3		40 - 130
13C8 PFOA	78.9		40 - 130
13C9 PFNA	73.2		40 - 130
13C6 PFDA	70.6		40 - 130
13C7 PFUnA	72.7		30 - 130
13C2 PFTeDA	63.1		10 - 130
13C3 PFBS	79.6		40 - 135
13C3 PFHxS	72.3		40 - 130
13C8 PFOS	76.1		40 - 130
13C8 FOSA	69.0		40 - 130
d3-NMeFOSAA	76.1		40 - 170
d5-NEtFOSAA	72.4		25 - 135
13C2 4:2 FTS	100		40 - 200
13C2 6:2 FTS	94.8		40 - 200
13C2 8:2 FTS	184		40 - 300
13C3 HFPO-DA	84.4		40 - 130
d7-N-MeFOSE-M	64.9		10 - 130
d9-N-EtFOSE-M	63.6		10 - 130
d5-NEtPFOSA	61.6		10 - 130
d3-NMePFOSA	61.5		10 - 130
13C2 PFDoA	65.7		10 - 130
13C3-3:3 FTCA	111		20 - 150
13C3-5:3 FTCA	75.1		20 - 150
13C3-PFDoS	61.3		20 - 150

Lab Sample ID: LLCS 410-836810/10-A

Matrix: Water

Analysis Batch: 837246

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 836810

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	8.00	8.17		ng/L		102	70 - 140
Perfluoropentanoic acid (PFPeA)	4.00	4.12		ng/L		103	65 - 135
Perfluorohexanoic acid (PFHxA)	4.00	4.06		ng/L		101	70 - 145
Perfluoroheptanoic acid (PFHpA)	4.00	3.96		ng/L		99	70 - 150

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 410-836810/10-A

Matrix: Water

Analysis Batch: 837246

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 836810

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorooctanoic acid (PFOA)	4.00	3.60		ng/L		90	70 - 150
Perfluorononanoic acid (PFNA)	4.00	3.40		ng/L		85	70 - 150
Perfluorodecanoic acid (PFDA)	4.00	3.68		ng/L		92	70 - 140
Perfluoroundecanoic acid (PFUnA)	4.00	3.46		ng/L		86	70 - 145
Perfluorododecanoic acid (PFDoA)	4.00	3.83		ng/L		96	70 - 140
Perfluorotridecanoic acid (PFTrDA)	4.00	3.71		ng/L		93	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	4.00	3.41		ng/L		85	60 - 140
Perfluorobutanesulfonic acid (PFBS)	3.55	3.65		ng/L		103	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	3.76	3.84		ng/L		102	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	3.65	4.07		ng/L		112	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	3.82	3.63		ng/L		95	70 - 150
Perfluorooctanesulfonic acid (PFOS)	3.72	3.37		ng/L		90	55 - 150
Perfluorononanesulfonic acid (PFNS)	3.85	3.50		ng/L		91	65 - 145
Perfluorodecanesulfonic acid (PFDS)	3.86	3.11		ng/L		81	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	3.88	3.70		ng/L		95	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	7.50	6.90		ng/L		92	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	7.62	7.71		ng/L		101	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	7.68	7.81		ng/L		102	60 - 150
Perfluorooctanesulfonamide (PFOSA)	4.00	4.04		ng/L		101	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	4.00	3.96		ng/L		99	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	4.00	3.84		ng/L		96	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.00	4.18		ng/L		105	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.00	4.19		ng/L		105	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	20.0	19.7		ng/L		98	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	20.0	18.9		ng/L		95	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	3.01	3.46		ng/L		115	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.78	3.52		ng/L		93	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.00	4.22		ng/L		105	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.00	3.93		ng/L		98	60 - 150

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 410-836810/10-A

Matrix: Water

Analysis Batch: 837246

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 836810

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.00	4.90		ng/L		123	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	3.74	3.34		ng/L		89	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	3.78	2.95		ng/L		78	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	3.57	3.06		ng/L		86	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	8.00	7.86		ng/L		98	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	20.0	19.3		ng/L		96	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	20.0	14.9		ng/L		75	50 - 145
Isotope Dilution	LLCS %Recovery	LLCS Qualifier	Limits				
13C4 PFBA	89.2		5 - 130				
13C5 PFPeA	93.8		40 - 130				
13C5 PFHxA	93.9		40 - 130				
13C4 PFHpA	87.6		40 - 130				
13C8 PFOA	78.7		40 - 130				
13C9 PFNA	79.4		40 - 130				
13C6 PFDA	78.2		40 - 130				
13C7 PFUnA	76.6		30 - 130				
13C2 PFTeDA	63.3		10 - 130				
13C3 PFBS	83.8		40 - 135				
13C3 PFHxS	76.5		40 - 130				
13C8 PFOS	80.8		40 - 130				
13C8 FOSA	68.7		40 - 130				
d3-NMeFOSAA	75.9		40 - 170				
d5-NEtFOSAA	71.2		25 - 135				
13C2 4:2 FTS	116		40 - 200				
13C2 6:2 FTS	103		40 - 200				
13C2 8:2 FTS	189		40 - 300				
13C3 HFPO-DA	92.6		40 - 130				
d7-N-MeFOSE-M	56.9		10 - 130				
d9-N-EtFOSE-M	53.4		10 - 130				
d5-NEtPFOSA	58.0		10 - 130				
d3-NMePFOSA	59.6		10 - 130				
13C2 PFDoA	66.6		10 - 130				
13C3-3:3 FTCA	120		20 - 150				
13C3-5:3 FTCA	88.7		20 - 150				
13C3-PFDoS	60.1		20 - 150				

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A - RE

Lab Sample ID: 410-286356-14 MS

Matrix: Water

Analysis Batch: 837246

Client Sample ID: MW-22

Prep Type: Total/NA

Prep Batch: 836810

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
N-methylperfluorooctane sulfonamide (NMeFOSA) - RE	ND		33.2	31.7		ng/L		95	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA) - RE	ND		33.2	29.7		ng/L		90	65 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE) - RE	ND		166	145		ng/L		87	70 - 135
Isotope Dilution	%Recovery	MS Qualifier	MS Limits						
d9-N-EtFOSE-M - RE	40.8		10 - 130						
d5-NEtPFOSA - RE	46.1		10 - 130						
d3-NMePFOSA - RE	48.2		10 - 130						

Lab Sample ID: 410-286356-14 MSD

Matrix: Water

Analysis Batch: 837246

Client Sample ID: MW-22

Prep Type: Total/NA

Prep Batch: 836810

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
N-methylperfluorooctane sulfonamide (NMeFOSA) - RE	ND		32.8	31.4		ng/L		96	60 - 150	1	30
N-ethylperfluorooctane sulfonamide (NEtFOSA) - RE	ND		32.8	29.5		ng/L		90	65 - 145	1	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE) - RE	ND		164	140		ng/L		86	70 - 135	3	30
Isotope Dilution	%Recovery	MSD Qualifier	MSD Limits								
d9-N-EtFOSE-M - RE	41.1		10 - 130								
d5-NEtPFOSA - RE	57.6		10 - 130								
d3-NMePFOSA - RE	58.3		10 - 130								

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 410-831694/1-A

Matrix: Water

Analysis Batch: 832431

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 831694

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0021	0.00057	mg/L		06/09/26 04:50	06/09/26 16:23	1
Nickel	ND		0.0010	0.00041	mg/L		06/09/26 04:50	06/09/26 16:23	1
Manganese	ND		0.0021	0.00098	mg/L		06/09/26 04:50	06/09/26 16:23	1

Lab Sample ID: LCS 410-831694/2-A

Matrix: Water

Analysis Batch: 832431

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 831694

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	0.500	0.487		mg/L		97	84 - 113
Nickel	0.500	0.495		mg/L		99	85 - 113
Manganese	0.500	0.499		mg/L		100	84 - 113

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 410-833235/1-A

Matrix: Water

Analysis Batch: 834053

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 833235

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0021	0.00057	mg/L		06/11/26 01:15	06/11/26 18:31	1
Nickel	ND		0.0010	0.00041	mg/L		06/11/26 01:15	06/11/26 18:31	1
Manganese	ND		0.0021	0.00098	mg/L		06/11/26 01:15	06/11/26 18:31	1

Lab Sample ID: LCS 410-833235/2-A

Matrix: Water

Analysis Batch: 834053

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 833235

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	0.500	0.484		mg/L		97	84 - 113
Nickel	0.500	0.487		mg/L		97	85 - 113
Manganese	0.500	0.486		mg/L		97	84 - 113

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

GC/MS VOA

Analysis Batch: 830737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286356-24	Trip Blank	Total/NA	Water	8260D	
MB 410-830737/7	Method Blank	Total/NA	Water	8260D	
LCS 410-830737/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-830737/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 834881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286356-1	MW-47	Total/NA	Water	8260D	
410-286356-2	MW-56	Total/NA	Water	8260D	
410-286356-3	MW-46	Total/NA	Water	8260D	
410-286356-4	MW-63	Total/NA	Water	8260D	
410-286356-5	MW-62	Total/NA	Water	8260D	
410-286356-6	MW-53A	Total/NA	Water	8260D	
410-286356-7	MW-53B	Total/NA	Water	8260D	
410-286356-8	MW-54	Total/NA	Water	8260D	
410-286356-9	MW-43A	Total/NA	Water	8260D	
410-286356-10	MW-43B	Total/NA	Water	8260D	
410-286356-11	MW-43C	Total/NA	Water	8260D	
410-286356-12	MW-44C	Total/NA	Water	8260D	
410-286356-13	MW-65	Total/NA	Water	8260D	
410-286356-14	MW-22	Total/NA	Water	8260D	
410-286356-15	MW-27S	Total/NA	Water	8260D	
410-286356-16	MW-27I	Total/NA	Water	8260D	
410-286356-17	Duplicate 4	Total/NA	Water	8260D	
410-286356-18	MW-27D	Total/NA	Water	8260D	
410-286356-19	MW-4	Total/NA	Water	8260D	
410-286356-20	MW-5	Total/NA	Water	8260D	
MB 410-834881/6	Method Blank	Total/NA	Water	8260D	
LCS 410-834881/5	Lab Control Sample	Total/NA	Water	8260D	
410-286356-14 MS	MW-22	Total/NA	Water	8260D	
410-286356-14 MSD	MW-22	Total/NA	Water	8260D	

Analysis Batch: 835204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286356-21	MW-75A	Total/NA	Water	8260D	
410-286356-21 - DL	MW-75A	Total/NA	Water	8260D	
410-286356-22	MW-75B	Total/NA	Water	8260D	
410-286356-22 - DL	MW-75B	Total/NA	Water	8260D	
410-286356-23	Field Blank 3	Total/NA	Water	8260D	
MB 410-835204/7	Method Blank	Total/NA	Water	8260D	
LCS 410-835204/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-835204/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 835897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286356-1 - DL	MW-47	Total/NA	Water	8260D	
410-286356-2 - DL	MW-56	Total/NA	Water	8260D	
410-286356-4 - DL	MW-63	Total/NA	Water	8260D	
410-286356-5	MW-62	Total/NA	Water	8260D	
410-286356-6 - DL	MW-53A	Total/NA	Water	8260D	
410-286356-7	MW-53B	Total/NA	Water	8260D	

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

GC/MS VOA (Continued)

Analysis Batch: 835897 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286356-9	MW-43A	Total/NA	Water	8260D	
410-286356-10	MW-43B	Total/NA	Water	8260D	
410-286356-11	MW-43C	Total/NA	Water	8260D	
410-286356-12	MW-44C	Total/NA	Water	8260D	
410-286356-12 - DL	MW-44C	Total/NA	Water	8260D	
410-286356-13	MW-65	Total/NA	Water	8260D	
410-286356-14	MW-22	Total/NA	Water	8260D	
410-286356-16	MW-27I	Total/NA	Water	8260D	
410-286356-16 - DL	MW-27I	Total/NA	Water	8260D	
410-286356-17	Duplicate 4	Total/NA	Water	8260D	
410-286356-17 - DL	Duplicate 4	Total/NA	Water	8260D	
410-286356-18	MW-27D	Total/NA	Water	8260D	
410-286356-19	MW-4	Total/NA	Water	8260D	
MB 410-835897/7	Method Blank	Total/NA	Water	8260D	
LCS 410-835897/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-835897/5	Lab Control Sample Dup	Total/NA	Water	8260D	

HPLC/IC

Analysis Batch: 828605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286356-13	MW-65	Dissolved	Water	218.6	
410-286356-14	MW-22	Dissolved	Water	218.6	
410-286356-15	MW-27S	Dissolved	Water	218.6	
410-286356-16	MW-27I	Dissolved	Water	218.6	
410-286356-17	Duplicate 4	Dissolved	Water	218.6	
410-286356-18	MW-27D	Dissolved	Water	218.6	
410-286356-20	MW-5	Dissolved	Water	218.6	
410-286356-21	MW-75A	Dissolved	Water	218.6	
410-286356-22	MW-75B	Dissolved	Water	218.6	
410-286356-23	Field Blank 3	Dissolved	Water	218.6	
MB 410-828605/10	Method Blank	Total/NA	Water	218.6	
LCS 410-828605/9	Lab Control Sample	Total/NA	Water	218.6	
410-286356-18 MS	MW-27D	Dissolved	Water	218.6	
410-286356-18 MSD	MW-27D	Dissolved	Water	218.6	
410-286356-20 MS	MW-5	Dissolved	Water	218.6	
410-286356-20 MSD	MW-5	Dissolved	Water	218.6	

Filtration Batch: 834530

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286356-13	MW-65	Dissolved	Water	FILTRATION	
410-286356-14	MW-22	Dissolved	Water	FILTRATION	
410-286356-15	MW-27S	Dissolved	Water	FILTRATION	
410-286356-16	MW-27I	Dissolved	Water	FILTRATION	
410-286356-17	Duplicate 4	Dissolved	Water	FILTRATION	
410-286356-18	MW-27D	Dissolved	Water	FILTRATION	
410-286356-20	MW-5	Dissolved	Water	FILTRATION	
410-286356-21	MW-75A	Dissolved	Water	FILTRATION	
410-286356-22	MW-75B	Dissolved	Water	FILTRATION	
410-286356-23	Field Blank 3	Dissolved	Water	FILTRATION	
410-286356-14 MS	MW-22	Dissolved	Water	FILTRATION	

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

HPLC/IC (Continued)

Filtration Batch: 834530 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286356-14 DU	MW-22	Dissolved	Water	FILTRATION	

Analysis Batch: 834897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286356-13	MW-65	Dissolved	Water	9056A	834530
410-286356-14	MW-22	Dissolved	Water	9056A	834530
410-286356-15	MW-27S	Dissolved	Water	9056A	834530
410-286356-16	MW-27I	Dissolved	Water	9056A	834530
410-286356-17	Duplicate 4	Dissolved	Water	9056A	834530
410-286356-18	MW-27D	Dissolved	Water	9056A	834530
410-286356-20	MW-5	Dissolved	Water	9056A	834530
410-286356-21	MW-75A	Dissolved	Water	9056A	834530
410-286356-22	MW-75B	Dissolved	Water	9056A	834530
410-286356-23	Field Blank 3	Dissolved	Water	9056A	834530
MB 410-834897/5	Method Blank	Total/NA	Water	9056A	
LCS 410-834897/3	Lab Control Sample	Total/NA	Water	9056A	
LCSD 410-834897/4	Lab Control Sample Dup	Total/NA	Water	9056A	
410-286356-14 MS	MW-22	Dissolved	Water	9056A	834530
410-286356-14 DU	MW-22	Dissolved	Water	9056A	834530

LCMS

Analysis Batch: 834420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286356-19	MW-4	Total/NA	Water	1633A	834537
410-286356-20	MW-5	Total/NA	Water	1633A	834537
410-286356-21	MW-75A	Total/NA	Water	1633A	834537
410-286356-22	MW-75B	Total/NA	Water	1633A	834537
410-286356-23	Field Blank 3	Total/NA	Water	1633A	834537
MB 410-834537/22-A	Method Blank	Total/NA	Water	1633A	834537
LCS 410-834537/23-A	Lab Control Sample	Total/NA	Water	1633A	834537
LCSD 410-834537/24-A	Lab Control Sample Dup	Total/NA	Water	1633A	834537
LLCS 410-834537/1-A	Lab Control Sample	Total/NA	Water	1633A	834537

Prep Batch: 834494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286356-1	MW-47	Total/NA	Water	1633A	
410-286356-2	MW-56	Total/NA	Water	1633A	
410-286356-3	MW-46	Total/NA	Water	1633A	
410-286356-4	MW-63	Total/NA	Water	1633A	
410-286356-5	MW-62	Total/NA	Water	1633A	
410-286356-6	MW-53A	Total/NA	Water	1633A	
410-286356-7	MW-53B	Total/NA	Water	1633A	
410-286356-8	MW-54	Total/NA	Water	1633A	
410-286356-9	MW-43A	Total/NA	Water	1633A	
410-286356-10	MW-43B	Total/NA	Water	1633A	
410-286356-11	MW-43C	Total/NA	Water	1633A	
410-286356-12	MW-44C	Total/NA	Water	1633A	
410-286356-13	MW-65	Total/NA	Water	1633A	
410-286356-14	MW-22	Total/NA	Water	1633A	
410-286356-15	MW-27S	Total/NA	Water	1633A	

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

LCMS (Continued)

Prep Batch: 834494 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286356-16	MW-27I	Total/NA	Water	1633A	
410-286356-17	Duplicate 4	Total/NA	Water	1633A	
410-286356-18	MW-27D	Total/NA	Water	1633A	
MB 410-834494/15-A	Method Blank	Total/NA	Water	1633A	
LCS 410-834494/16-A	Lab Control Sample	Total/NA	Water	1633A	
LLCS 410-834494/17-A	Lab Control Sample	Total/NA	Water	1633A	
410-286356-14 MS	MW-22	Total/NA	Water	1633A	
410-286356-14 MSD	MW-22	Total/NA	Water	1633A	

Prep Batch: 834537

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286356-19	MW-4	Total/NA	Water	1633A	
410-286356-20	MW-5	Total/NA	Water	1633A	
410-286356-21	MW-75A	Total/NA	Water	1633A	
410-286356-22	MW-75B	Total/NA	Water	1633A	
410-286356-23	Field Blank 3	Total/NA	Water	1633A	
MB 410-834537/22-A	Method Blank	Total/NA	Water	1633A	
LCS 410-834537/23-A	Lab Control Sample	Total/NA	Water	1633A	
LCSD 410-834537/24-A	Lab Control Sample Dup	Total/NA	Water	1633A	
LLCS 410-834537/1-A	Lab Control Sample	Total/NA	Water	1633A	

Analysis Batch: 834692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286356-1	MW-47	Total/NA	Water	1633A	834494
410-286356-2	MW-56	Total/NA	Water	1633A	834494
410-286356-3	MW-46	Total/NA	Water	1633A	834494
410-286356-4	MW-63	Total/NA	Water	1633A	834494
410-286356-5	MW-62	Total/NA	Water	1633A	834494
410-286356-6	MW-53A	Total/NA	Water	1633A	834494
410-286356-7	MW-53B	Total/NA	Water	1633A	834494
410-286356-8	MW-54	Total/NA	Water	1633A	834494
410-286356-9	MW-43A	Total/NA	Water	1633A	834494
410-286356-10	MW-43B	Total/NA	Water	1633A	834494
410-286356-11	MW-43C	Total/NA	Water	1633A	834494
410-286356-12	MW-44C	Total/NA	Water	1633A	834494
410-286356-13	MW-65	Total/NA	Water	1633A	834494
410-286356-14	MW-22	Total/NA	Water	1633A	834494
410-286356-15	MW-27S	Total/NA	Water	1633A	834494
410-286356-16	MW-27I	Total/NA	Water	1633A	834494
410-286356-17	Duplicate 4	Total/NA	Water	1633A	834494
410-286356-18	MW-27D	Total/NA	Water	1633A	834494
MB 410-834494/15-A	Method Blank	Total/NA	Water	1633A	834494
LCS 410-834494/16-A	Lab Control Sample	Total/NA	Water	1633A	834494
LLCS 410-834494/17-A	Lab Control Sample	Total/NA	Water	1633A	834494
410-286356-14 MS	MW-22	Total/NA	Water	1633A	834494
410-286356-14 MSD	MW-22	Total/NA	Water	1633A	834494

Prep Batch: 836810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286356-14 - RE	MW-22	Total/NA	Water	1633A	
MB 410-836810/8-A	Method Blank	Total/NA	Water	1633A	

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

LCMS (Continued)

Prep Batch: 836810 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 410-836810/9-A	Lab Control Sample	Total/NA	Water	1633A	
LLCS 410-836810/10-A	Lab Control Sample	Total/NA	Water	1633A	
410-286356-14 MS - RE	MW-22	Total/NA	Water	1633A	
410-286356-14 MSD - RE	MW-22	Total/NA	Water	1633A	

Analysis Batch: 837246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286356-14 - RE	MW-22	Total/NA	Water	1633A	836810
MB 410-836810/8-A	Method Blank	Total/NA	Water	1633A	836810
LCS 410-836810/9-A	Lab Control Sample	Total/NA	Water	1633A	836810
LLCS 410-836810/10-A	Lab Control Sample	Total/NA	Water	1633A	836810
410-286356-14 MS - RE	MW-22	Total/NA	Water	1633A	836810
410-286356-14 MSD - RE	MW-22	Total/NA	Water	1633A	836810

Metals

Filtration Batch: 828674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286356-13	MW-65	Dissolved	Water	Filtration	
410-286356-14	MW-22	Dissolved	Water	Filtration	
410-286356-15	MW-27S	Dissolved	Water	Filtration	
410-286356-16	MW-27I	Dissolved	Water	Filtration	
410-286356-17	Duplicate 4	Dissolved	Water	Filtration	
410-286356-18	MW-27D	Dissolved	Water	Filtration	
410-286356-20	MW-5	Dissolved	Water	Filtration	
410-286356-21	MW-75A	Dissolved	Water	Filtration	
410-286356-22	MW-75B	Dissolved	Water	Filtration	
410-286356-23	Field Blank 3	Dissolved	Water	Filtration	

Prep Batch: 831694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286356-14	MW-22	Dissolved	Water	Non-Digest Prep	828674
410-286356-15	MW-27S	Dissolved	Water	Non-Digest Prep	828674
410-286356-16	MW-27I	Dissolved	Water	Non-Digest Prep	828674
410-286356-17	Duplicate 4	Dissolved	Water	Non-Digest Prep	828674
410-286356-18	MW-27D	Dissolved	Water	Non-Digest Prep	828674
410-286356-20	MW-5	Dissolved	Water	Non-Digest Prep	828674
410-286356-21	MW-75A	Dissolved	Water	Non-Digest Prep	828674
410-286356-22	MW-75B	Dissolved	Water	Non-Digest Prep	828674
410-286356-23	Field Blank 3	Dissolved	Water	Non-Digest Prep	828674
MB 410-831694/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-831694/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	

Analysis Batch: 832431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286356-14	MW-22	Dissolved	Water	6020B	831694
410-286356-15	MW-27S	Dissolved	Water	6020B	831694
410-286356-16	MW-27I	Dissolved	Water	6020B	831694
410-286356-17	Duplicate 4	Dissolved	Water	6020B	831694
410-286356-18	MW-27D	Dissolved	Water	6020B	831694
410-286356-20	MW-5	Dissolved	Water	6020B	831694

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Metals (Continued)

Analysis Batch: 832431 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286356-21	MW-75A	Dissolved	Water	6020B	831694
410-286356-22	MW-75B	Dissolved	Water	6020B	831694
410-286356-23	Field Blank 3	Dissolved	Water	6020B	831694
MB 410-831694/1-A	Method Blank	Total/NA	Water	6020B	831694
LCS 410-831694/2-A	Lab Control Sample	Total/NA	Water	6020B	831694

Prep Batch: 833235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286356-13	MW-65	Dissolved	Water	Non-Digest Prep	828674
MB 410-833235/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-833235/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	

Analysis Batch: 834053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286356-13	MW-65	Dissolved	Water	6020B	833235
MB 410-833235/1-A	Method Blank	Total/NA	Water	6020B	833235
LCS 410-833235/2-A	Lab Control Sample	Total/NA	Water	6020B	833235

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-47

Lab Sample ID: 410-286356-1

Date Collected: 06/02/26 08:45

Matrix: Water

Date Received: 06/02/26 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D	DL	10	835897	DVW2	ELLE	06/16/26 15:40
Total/NA	Analysis	8260D		1	834881	Y6ZN	ELLE	06/13/26 15:18
Total/NA	Prep	1633A			834494	D5RZ	ELLE	06/12/26 14:11
Total/NA	Analysis	1633A		1	834692	P7EB	ELLE	06/13/26 13:20

Client Sample ID: MW-56

Lab Sample ID: 410-286356-2

Date Collected: 06/02/26 09:00

Matrix: Water

Date Received: 06/02/26 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D	DL	10	835897	DVW2	ELLE	06/16/26 15:59
Total/NA	Analysis	8260D		1	834881	Y6ZN	ELLE	06/13/26 15:38
Total/NA	Prep	1633A			834494	D5RZ	ELLE	06/12/26 14:11
Total/NA	Analysis	1633A		1	834692	P7EB	ELLE	06/13/26 13:34

Client Sample ID: MW-46

Lab Sample ID: 410-286356-3

Date Collected: 06/02/26 09:15

Matrix: Water

Date Received: 06/02/26 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		2	834881	Y6ZN	ELLE	06/13/26 22:25
Total/NA	Prep	1633A			834494	D5RZ	ELLE	06/12/26 14:11
Total/NA	Analysis	1633A		1	834692	P7EB	ELLE	06/13/26 13:48

Client Sample ID: MW-63

Lab Sample ID: 410-286356-4

Date Collected: 06/02/26 09:30

Matrix: Water

Date Received: 06/02/26 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D	DL	10	835897	DVW2	ELLE	06/16/26 16:19
Total/NA	Analysis	8260D		1	834881	Y6ZN	ELLE	06/13/26 15:58
Total/NA	Prep	1633A			834494	D5RZ	ELLE	06/12/26 14:11
Total/NA	Analysis	1633A		1	834692	P7EB	ELLE	06/13/26 14:01

Client Sample ID: MW-62

Lab Sample ID: 410-286356-5

Date Collected: 06/02/26 09:45

Matrix: Water

Date Received: 06/02/26 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	835897	DVW2	ELLE	06/16/26 12:24
Total/NA	Analysis	8260D		1	834881	Y6ZN	ELLE	06/13/26 16:19
Total/NA	Prep	1633A			834494	D5RZ	ELLE	06/12/26 14:11
Total/NA	Analysis	1633A		1	834692	P7EB	ELLE	06/13/26 14:15

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-53A

Lab Sample ID: 410-286356-6

Date Collected: 06/02/26 10:00

Matrix: Water

Date Received: 06/02/26 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D	DL	10	835897	DVW2	ELLE	06/16/26 16:38
Total/NA	Analysis	8260D		1	834881	Y6ZN	ELLE	06/13/26 16:40
Total/NA	Prep	1633A			834494	D5RZ	ELLE	06/12/26 14:11
Total/NA	Analysis	1633A		1	834692	P7EB	ELLE	06/13/26 14:28

Client Sample ID: MW-53B

Lab Sample ID: 410-286356-7

Date Collected: 06/02/26 10:10

Matrix: Water

Date Received: 06/02/26 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	835897	DVW2	ELLE	06/16/26 12:43
Total/NA	Analysis	8260D		1	834881	Y6ZN	ELLE	06/13/26 17:00
Total/NA	Prep	1633A			834494	D5RZ	ELLE	06/12/26 14:11
Total/NA	Analysis	1633A		1	834692	P7EB	ELLE	06/13/26 14:42

Client Sample ID: MW-54

Lab Sample ID: 410-286356-8

Date Collected: 06/02/26 10:15

Matrix: Water

Date Received: 06/02/26 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	834881	Y6ZN	ELLE	06/13/26 17:20
Total/NA	Prep	1633A			834494	D5RZ	ELLE	06/12/26 14:11
Total/NA	Analysis	1633A		1	834692	P7EB	ELLE	06/13/26 15:22

Client Sample ID: MW-43A

Lab Sample ID: 410-286356-9

Date Collected: 06/02/26 10:30

Matrix: Water

Date Received: 06/02/26 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	835897	DVW2	ELLE	06/16/26 13:02
Total/NA	Analysis	8260D		1	834881	Y6ZN	ELLE	06/13/26 17:40
Total/NA	Prep	1633A			834494	D5RZ	ELLE	06/12/26 14:11
Total/NA	Analysis	1633A		1	834692	P7EB	ELLE	06/13/26 15:36

Client Sample ID: MW-43B

Lab Sample ID: 410-286356-10

Date Collected: 06/02/26 10:45

Matrix: Water

Date Received: 06/02/26 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	835897	DVW2	ELLE	06/16/26 13:22
Total/NA	Analysis	8260D		1	834881	Y6ZN	ELLE	06/13/26 18:00
Total/NA	Prep	1633A			834494	D5RZ	ELLE	06/12/26 14:11
Total/NA	Analysis	1633A		1	834692	P7EB	ELLE	06/13/26 15:50

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-43C

Lab Sample ID: 410-286356-11

Date Collected: 06/02/26 11:00

Matrix: Water

Date Received: 06/02/26 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	835897	DVW2	ELLE	06/16/26 13:42
Total/NA	Analysis	8260D		1	834881	Y6ZN	ELLE	06/13/26 18:20
Total/NA	Prep	1633A			834494	D5RZ	ELLE	06/12/26 14:11
Total/NA	Analysis	1633A		1	834692	P7EB	ELLE	06/13/26 16:03

Client Sample ID: MW-44C

Lab Sample ID: 410-286356-12

Date Collected: 06/02/26 11:15

Matrix: Water

Date Received: 06/02/26 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	835897	DVW2	ELLE	06/16/26 14:01
Total/NA	Analysis	8260D	DL	10	835897	DVW2	ELLE	06/16/26 18:37
Total/NA	Analysis	8260D		1	834881	Y6ZN	ELLE	06/13/26 18:40
Total/NA	Prep	1633A			834494	D5RZ	ELLE	06/12/26 14:11
Total/NA	Analysis	1633A		1	834692	P7EB	ELLE	06/13/26 16:17

Client Sample ID: MW-65

Lab Sample ID: 410-286356-13

Date Collected: 06/02/26 12:30

Matrix: Water

Date Received: 06/02/26 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	835897	DVW2	ELLE	06/16/26 14:21
Total/NA	Analysis	8260D		1	834881	Y6ZN	ELLE	06/13/26 19:00
Dissolved	Analysis	218.6		1	828605	RAC6	ELLE	06/03/26 10:54
Dissolved	Filtration	FILTRATION			834530	L4QM	ELLE	06/12/26 14:50
Dissolved	Analysis	9056A		10	834897	L4QM	ELLE	06/13/26 05:07
Total/NA	Prep	1633A			834494	D5RZ	ELLE	06/12/26 14:11
Total/NA	Analysis	1633A		1	834692	P7EB	ELLE	06/13/26 16:30
Dissolved	Filtration	Filtration			828674	UDL9	ELLE	06/03/26 10:10
Dissolved	Prep	Non-Digest Prep			833235	UAMX	ELLE	06/11/26 01:15
Dissolved	Analysis	6020B		1	834053	LHF4	ELLE	06/11/26 19:53

Client Sample ID: MW-22

Lab Sample ID: 410-286356-14

Date Collected: 06/02/26 12:45

Matrix: Water

Date Received: 06/02/26 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	835897	DVW2	ELLE	06/16/26 14:41
Total/NA	Analysis	8260D		1	834881	Y6ZN	ELLE	06/13/26 19:21
Dissolved	Analysis	218.6		1	828605	RAC6	ELLE	06/03/26 11:02
Dissolved	Filtration	FILTRATION			834530	L4QM	ELLE	06/12/26 14:50
Dissolved	Analysis	9056A		10	834897	L4QM	ELLE	06/13/26 03:28
Total/NA	Prep	1633A	RE		836810	GY3C	ELLE	06/17/26 09:59
Total/NA	Analysis	1633A	RE	1	837246	RPU6	ELLE	06/18/26 15:11

Eurofins Lancaster Laboratories Environment Testing, LLC

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-22

Lab Sample ID: 410-286356-14

Date Collected: 06/02/26 12:45

Matrix: Water

Date Received: 06/02/26 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633A			834494	D5RZ	ELLE	06/12/26 14:11
Total/NA	Analysis	1633A		1	834692	P7EB	ELLE	06/13/26 16:44
Dissolved	Filtration	Filtration			828674	UDL9	ELLE	06/03/26 10:10
Dissolved	Prep	Non-Digest Prep			831694	UAMX	ELLE	06/09/26 04:50
Dissolved	Analysis	6020B		1	832431	I9IN	ELLE	06/09/26 19:34

Client Sample ID: MW-27S

Lab Sample ID: 410-286356-15

Date Collected: 06/02/26 13:00

Matrix: Water

Date Received: 06/02/26 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	834881	Y6ZN	ELLE	06/13/26 20:22
Dissolved	Analysis	218.6		1	828605	RAC6	ELLE	06/03/26 11:10
Dissolved	Filtration	FILTRATION			834530	L4QM	ELLE	06/12/26 14:50
Dissolved	Analysis	9056A		10	834897	L4QM	ELLE	06/13/26 04:42
Total/NA	Prep	1633A			834494	D5RZ	ELLE	06/12/26 14:11
Total/NA	Analysis	1633A		1	834692	P7EB	ELLE	06/13/26 17:24
Dissolved	Filtration	Filtration			828674	UDL9	ELLE	06/03/26 10:10
Dissolved	Prep	Non-Digest Prep			831694	UAMX	ELLE	06/09/26 04:50
Dissolved	Analysis	6020B		1	832431	I9IN	ELLE	06/09/26 19:28

Client Sample ID: MW-27I

Lab Sample ID: 410-286356-16

Date Collected: 06/02/26 13:15

Matrix: Water

Date Received: 06/02/26 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		10	835897	DVW2	ELLE	06/16/26 16:58
Total/NA	Analysis	8260D	DL	100	835897	DVW2	ELLE	06/16/26 17:17
Total/NA	Analysis	8260D		1	834881	Y6ZN	ELLE	06/13/26 20:43
Dissolved	Analysis	218.6		1	828605	RAC6	ELLE	06/03/26 11:17
Dissolved	Filtration	FILTRATION			834530	L4QM	ELLE	06/12/26 14:50
Dissolved	Analysis	9056A		10	834897	L4QM	ELLE	06/13/26 05:32
Total/NA	Prep	1633A			834494	D5RZ	ELLE	06/12/26 14:11
Total/NA	Analysis	1633A		1	834692	P7EB	ELLE	06/13/26 17:38
Dissolved	Filtration	Filtration			828674	UDL9	ELLE	06/03/26 10:10
Dissolved	Prep	Non-Digest Prep			831694	UAMX	ELLE	06/09/26 04:50
Dissolved	Analysis	6020B		1	832431	I9IN	ELLE	06/09/26 19:54

Client Sample ID: Duplicate 4

Lab Sample ID: 410-286356-17

Date Collected: 06/02/26 13:20

Matrix: Water

Date Received: 06/02/26 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		10	835897	DVW2	ELLE	06/16/26 17:37
Total/NA	Analysis	8260D	DL	100	835897	DVW2	ELLE	06/16/26 17:57

Eurofins Lancaster Laboratories Environment Testing, LLC

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: Duplicate 4

Lab Sample ID: 410-286356-17

Date Collected: 06/02/26 13:20

Matrix: Water

Date Received: 06/02/26 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	834881	Y6ZN	ELLE	06/13/26 21:03
Dissolved	Analysis	218.6		1	828605	RAC6	ELLE	06/03/26 11:25
Dissolved	Filtration	FILTRATION			834530	L4QM	ELLE	06/12/26 14:50
Dissolved	Analysis	9056A		10	834897	L4QM	ELLE	06/13/26 05:57
Total/NA	Prep	1633A			834494	D5RZ	ELLE	06/12/26 14:11
Total/NA	Analysis	1633A		1	834692	P7EB	ELLE	06/13/26 17:52
Dissolved	Filtration	Filtration			828674	UDL9	ELLE	06/03/26 10:10
Dissolved	Prep	Non-Digest Prep			831694	UAMX	ELLE	06/09/26 04:50
Dissolved	Analysis	6020B		1	832431	I9IN	ELLE	06/09/26 19:52

Client Sample ID: MW-27D

Lab Sample ID: 410-286356-18

Date Collected: 06/02/26 13:30

Matrix: Water

Date Received: 06/02/26 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	835897	DVW2	ELLE	06/16/26 15:00
Total/NA	Analysis	8260D		1	834881	Y6ZN	ELLE	06/13/26 21:23
Dissolved	Analysis	218.6		1	828605	RAC6	ELLE	06/03/26 11:32
Dissolved	Filtration	FILTRATION			834530	L4QM	ELLE	06/12/26 14:50
Dissolved	Analysis	9056A		10	834897	L4QM	ELLE	06/13/26 06:46
Total/NA	Prep	1633A			834494	D5RZ	ELLE	06/12/26 14:11
Total/NA	Analysis	1633A		1	834692	P7EB	ELLE	06/13/26 18:32
Dissolved	Filtration	Filtration			828674	UDL9	ELLE	06/03/26 10:10
Dissolved	Prep	Non-Digest Prep			831694	UAMX	ELLE	06/09/26 04:50
Dissolved	Analysis	6020B		1	832431	I9IN	ELLE	06/09/26 19:48

Client Sample ID: MW-4

Lab Sample ID: 410-286356-19

Date Collected: 06/02/26 14:20

Matrix: Water

Date Received: 06/02/26 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	835897	DVW2	ELLE	06/16/26 15:20
Total/NA	Analysis	8260D		1	834881	Y6ZN	ELLE	06/13/26 21:44
Total/NA	Prep	1633A			834537	ULU3	ELLE	06/12/26 14:58
Total/NA	Analysis	1633A		1	834420	RPU6	ELLE	06/13/26 05:56

Client Sample ID: MW-5

Lab Sample ID: 410-286356-20

Date Collected: 06/02/26 14:40

Matrix: Water

Date Received: 06/02/26 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	834881	Y6ZN	ELLE	06/13/26 22:04
Dissolved	Analysis	218.6		1	828605	RAC6	ELLE	06/03/26 12:10
Dissolved	Filtration	FILTRATION			834530	L4QM	ELLE	06/12/26 14:50
Dissolved	Analysis	9056A		10	834897	L4QM	ELLE	06/13/26 07:11

Eurofins Lancaster Laboratories Environment Testing, LLC

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: MW-5

Lab Sample ID: 410-286356-20

Date Collected: 06/02/26 14:40

Matrix: Water

Date Received: 06/02/26 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633A			834537	ULU3	ELLE	06/12/26 14:58
Total/NA	Analysis	1633A		1	834420	RPU6	ELLE	06/13/26 06:10
Dissolved	Filtration	Filtration			828674	UDL9	ELLE	06/03/26 10:10
Dissolved	Prep	Non-Digest Prep			831694	UAMX	ELLE	06/09/26 04:50
Dissolved	Analysis	6020B		1	832431	I9IN	ELLE	06/09/26 19:56

Client Sample ID: MW-75A

Lab Sample ID: 410-286356-21

Date Collected: 06/02/26 15:15

Matrix: Water

Date Received: 06/02/26 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		500	835204	DVW2	ELLE	06/15/26 16:21
Total/NA	Analysis	8260D	DL	5000	835204	DVW2	ELLE	06/15/26 16:40
Dissolved	Analysis	218.6		1	828605	RAC6	ELLE	06/03/26 12:33
Dissolved	Filtration	FILTRATION			834530	L4QM	ELLE	06/12/26 14:50
Dissolved	Analysis	9056A		1	834897	L4QM	ELLE	06/13/26 07:23
Total/NA	Prep	1633A			834537	ULU3	ELLE	06/12/26 14:58
Total/NA	Analysis	1633A		1	834420	RPU6	ELLE	06/13/26 06:23
Dissolved	Filtration	Filtration			828674	UDL9	ELLE	06/03/26 10:10
Dissolved	Prep	Non-Digest Prep			831694	UAMX	ELLE	06/09/26 04:50
Dissolved	Analysis	6020B		1	832431	I9IN	ELLE	06/09/26 19:50

Client Sample ID: MW-75B

Lab Sample ID: 410-286356-22

Date Collected: 06/02/26 15:30

Matrix: Water

Date Received: 06/02/26 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		500	835204	DVW2	ELLE	06/15/26 17:00
Total/NA	Analysis	8260D	DL	5000	835204	DVW2	ELLE	06/15/26 17:19
Dissolved	Analysis	218.6		1	828605	RAC6	ELLE	06/03/26 12:41
Dissolved	Filtration	FILTRATION			834530	L4QM	ELLE	06/12/26 14:50
Dissolved	Analysis	9056A		1	834897	L4QM	ELLE	06/13/26 07:48
Total/NA	Prep	1633A			834537	ULU3	ELLE	06/12/26 14:58
Total/NA	Analysis	1633A		1	834420	RPU6	ELLE	06/13/26 06:37
Dissolved	Filtration	Filtration			828674	UDL9	ELLE	06/03/26 10:10
Dissolved	Prep	Non-Digest Prep			831694	UAMX	ELLE	06/09/26 04:50
Dissolved	Analysis	6020B		1	832431	I9IN	ELLE	06/09/26 19:30

Client Sample ID: Field Blank 3

Lab Sample ID: 410-286356-23

Date Collected: 06/02/26 15:50

Matrix: Water

Date Received: 06/02/26 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	835204	DVW2	ELLE	06/15/26 12:45
Dissolved	Analysis	218.6		1	828605	RAC6	ELLE	06/03/26 12:48

Eurofins Lancaster Laboratories Environment Testing, LLC

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Client Sample ID: Field Blank 3

Lab Sample ID: 410-286356-23

Date Collected: 06/02/26 15:50

Matrix: Water

Date Received: 06/02/26 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Filtration	FILTRATION			834530	L4QM	ELLE	06/12/26 14:50
Dissolved	Analysis	9056A		1	834897	L4QM	ELLE	06/13/26 08:13
Total/NA	Prep	1633A			834537	ULU3	ELLE	06/12/26 14:58
Total/NA	Analysis	1633A		1	834420	RPU6	ELLE	06/13/26 06:51
Dissolved	Filtration	Filtration			828674	UDL9	ELLE	06/03/26 10:10
Dissolved	Prep	Non-Digest Prep			831694	UAMX	ELLE	06/09/26 04:50
Dissolved	Analysis	6020B		1	832431	I9IN	ELLE	06/09/26 19:32

Client Sample ID: Trip Blank

Lab Sample ID: 410-286356-24

Date Collected: 05/07/26 00:00

Matrix: Water

Date Received: 06/02/26 17:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	830737	TQ4J	ELLE	06/06/26 11:32

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Pennsylvania	NELAP	36-00037	01-31-27

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Method Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	ELLE
218.6	Chromium, Hexavalent (Ion Chromatography)	EPA	ELLE
9056A	Anions, Ion Chromatography	SW846	ELLE
1633A	Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A	EPA	ELLE
6020B	Metals (ICP/MS)	SW846	ELLE
1633A	Solid-Phase Extraction (SPE)	EPA	ELLE
5030C	Purge and Trap	SW846	ELLE
FILTRATION	Sample Filtration	None	ELLE
Non-Digest Prep	Preparation, Non-Digested Aqueous Metals	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286356-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
410-286356-1	MW-47	Water	06/02/26 08:45	06/02/26 17:40	Pennsylvania
410-286356-2	MW-56	Water	06/02/26 09:00	06/02/26 17:40	Pennsylvania
410-286356-3	MW-46	Water	06/02/26 09:15	06/02/26 17:40	Pennsylvania
410-286356-4	MW-63	Water	06/02/26 09:30	06/02/26 17:40	Pennsylvania
410-286356-5	MW-62	Water	06/02/26 09:45	06/02/26 17:40	Pennsylvania
410-286356-6	MW-53A	Water	06/02/26 10:00	06/02/26 17:40	Pennsylvania
410-286356-7	MW-53B	Water	06/02/26 10:10	06/02/26 17:40	Pennsylvania
410-286356-8	MW-54	Water	06/02/26 10:15	06/02/26 17:40	Pennsylvania
410-286356-9	MW-43A	Water	06/02/26 10:30	06/02/26 17:40	Pennsylvania
410-286356-10	MW-43B	Water	06/02/26 10:45	06/02/26 17:40	Pennsylvania
410-286356-11	MW-43C	Water	06/02/26 11:00	06/02/26 17:40	Pennsylvania
410-286356-12	MW-44C	Water	06/02/26 11:15	06/02/26 17:40	Pennsylvania
410-286356-13	MW-65	Water	06/02/26 12:30	06/02/26 17:40	Pennsylvania
410-286356-14	MW-22	Water	06/02/26 12:45	06/02/26 17:40	Pennsylvania
410-286356-15	MW-27S	Water	06/02/26 13:00	06/02/26 17:40	Pennsylvania
410-286356-16	MW-27I	Water	06/02/26 13:15	06/02/26 17:40	Pennsylvania
410-286356-17	Duplicate 4	Water	06/02/26 13:20	06/02/26 17:40	Pennsylvania
410-286356-18	MW-27D	Water	06/02/26 13:30	06/02/26 17:40	Pennsylvania
410-286356-19	MW-4	Water	06/02/26 14:20	06/02/26 17:40	Pennsylvania
410-286356-20	MW-5	Water	06/02/26 14:40	06/02/26 17:40	Pennsylvania
410-286356-21	MW-75A	Water	06/02/26 15:15	06/02/26 17:40	Pennsylvania
410-286356-22	MW-75B	Water	06/02/26 15:30	06/02/26 17:40	Pennsylvania
410-286356-23	Field Blank 3	Water	06/02/26 15:50	06/02/26 17:40	Pennsylvania
410-286356-24	Trip Blank	Water	05/07/26 00:00	06/02/26 17:40	Pennsylvania



410-286356 Chain of Custody

Environmental Analysis Request/Chain of Custody

eurofins

Lancaster Laboratories
Environmental

Acct. # _____ Group # _____ Sample # _____

Client Name: Groundwater & Environmental Services, Inc		Acct #:		Matrix		Analyses Requested										For Lab Use Only	
Project Name/ #: GTAC-Bishop Tube HSCA Site				☐ Tissue ☒ Ground ☐ Surface		Preservation and Filtration Codes										SF #: _____	
Site Address: 1 S Malin Road, Malvern, PA 19355																SCR #: _____	
GES PM/CM Tim Uhler/Derek Yoder																	
Client Address: 410 Eagleview Blvd, Suite 110 Exton, PA 19341																	
Email report: labreportspae@gesonline.com AND tuhler@gesonline.com																	
Invoice needs to be emailed to ges-invoices@gesonline.com. COC must be attached to invoice. Invoice must reference job # 0070462-3020-06																	
State where samples were collected: PA		For Compliance: Yes ☐ No ☒															
Sampler <u>Bryan Orlovski / Alyssa Fetterman</u>		Collection															
Sampler Signature <u>M. M. / A. Fetterman</u>																	
Sample Identification		Date	Time	Grab	Composite	Soil	Water	Other:	Total # of Containers	8260D - TCL VOCs 4.3	1633A - PFAS (List of 40)	6020B - Dissolved Ni, Mn, and Cr	218.6 - Chromium, Hexavalent Dissolved	9056A - Fluoride Dissolved	Preservation Codes		
															H = HCl T = Thiosulfate		
MW-47		6/2/26	0945	X			X		5	3	2				N = HNO ₃ B = NaOH		
MW-56		6/2/26	0900	X			X		5	3	2				S = H ₂ SO ₄ P = H ₃ PO ₄		
MW-46		6/2/26	0915	X			X		5	3	2				F = Field Filtered O = Other		
MW-63		6/2/26	0930	X			X		5	3	2						
MW-62		6/2/26	0945	X			X		5	3	2						
MW-53A		6/2/26	1000	X			X		5	3	2						
MW-53B		6/2/26	1010	X			X		5	3	2						
MW-54		6/2/26	1015	X			X		5	3	2						
MW-43A		6/2/26	1030	X			X		5	3	2						
MW-43B		6/2/26	1045	X			X		5	3	2						
Turnaround Time Requested (TAT) (please check):		Standard ☒ Rush ☐				Relinquished by:		Date	Time	Received by:		Date	Time				
(Rush TAT is subject to laboratory approval and surcharges.)						A. Fetterman		6/2/26	1740								
Date results are needed:						Relinquished by:		Date	Time	Received by:		Date	Time				
Rush results requested by (please check):		E-Mail ☐ Phone ☐				A. Fetterman											
E-mail Address: labreportspae@gesonline.com						Relinquished by:		Date	Time	Received by:		Date	Time				
Phone:						A. Fetterman											
Data Package Options (please check if required)						Relinquished by:		Date	Time	Received by:		Date	Time				
Type I (Validation/non-CLP) ☐ MA MCP ☐						A. Fetterman											
Type III (Reduced non-CLP) ☐ CT RCP ☐						Relinquished by:		Date	Time	Received by:		Date	Time				
Type VI (Raw Data Only) ☐ TX TRRP-13 ☐						A. Fetterman											
NJ DKQP ☐ NYSDEC Category ☐ A or ☐ B						Relinquished by Commercial Carrier:				Received by:		Date	Time				
EDD Required? Yes ☒ No ☐ If yes, format: _____						UPS ☐ FedEx ☐ Other ☐				Temperature upon receipt		6/2/26 17:40					

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7045 0717

Environmental Analysis Request/Chain of Custody



Lancaster Laboratories
Environmental

Acct. # _____ Group # _____ Sample # _____

Client Name: Groundwater & Environmental Services, Inc			Acct. #:		Matrix		Analyses Requested										For Lab Use Only										
Project Name/ #: GTAC-Bishop Tube HSCA Site					☐ Tissue ☒ Ground ☐ Surface		Preservation and Filtration Codes										SF #: _____										
Site Address: 1 S Malin Road, Malvern, PA 19355							H O O O O 8260D - TCL VOCs 4.3 1633A - PFAS (List of 40) 6020B - Dissolved Ni, Mn, and Cr 218.6 - Chromium, Hexavalent Dissolved 9056A - Fluoride Dissolved										SCR #: _____										
GES PM/CM: Tim Uhler/Derek Yoder																	Preservation Codes H = HCl T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ P = H ₂ PO ₄ F = Field Filtered O = Other										
Client Address: 410 Eagleview Blvd, Suite 110 Exton, PA 19341																											
Email report: labreportspae@gesonline.com AND tuhler@gesonline.com																											
Invoice needs to be emailed to ges-invoices@gesonline.com. COC must be attached to invoice. Invoice must reference job # 0070462-3020-06																											
State where samples were collected: PA			For Compliance: Yes ☐ No ☒																								
Sampler: Ryan Gidyczinski / Alyson Dettmer			Collection																								
Sampler Signature: [Signature]																											
Sample Identification			Date	Time	Grab	Composite	Soil	Water	Other:	Total # of Containers											Remarks						
MW-43C			6/2/26	1100	X			X		5	3	2											Methods 6020B, 218.6 and 9056A need lab filtration. All are unpreserved. MS/MSD For 8260 and 1633A + MW-22				
MW-44C			6/2/26	1115	X			X		5	3	2															
MW-605			6/2/26	1230	X			X		8	3	2	1	1	1												
MW-22			6/2/26	1245	X			X		18	9	6	1	1	1												
MW-27S			6/2/26	1300	X			X		8	3	2	1	1	1												
MW-27I			6/2/26	1315	X			X		8	3	2	1	1	1												
Duplicate 4			6/2/26	1320	X			X		8	3	2	1	1	1												
MW-27D			6/2/26	1330	X			X		8	3	2	1	1	1												
MW-4			6/2/26	1420	X			X		5	3	2															
MW-5			6/2/26	1440	X			X		8	3	2	1	1	1												
Turnaround Time Requested (TAT) (please check): Standard ☒ Rush ☐			(Rush TAT is subject to laboratory approval and surcharges.)				Relinquished by: [Signature]		Date: 6/2/26		Time: 1740		Received by: [Signature]		Date: _____		Time: _____										
Date results are needed: _____							Relinquished by: [Signature]		Date: _____		Time: _____		Received by: [Signature]		Date: _____		Time: _____										
Rush results requested by (please check): E-Mail ☐ Phone ☐							Relinquished by: [Signature]		Date: _____		Time: _____		Received by: [Signature]		Date: _____		Time: _____										
E-mail Address: labreportspae@gesonline.com							Relinquished by: [Signature]		Date: _____		Time: _____		Received by: [Signature]		Date: _____		Time: _____										
Phone: _____							Relinquished by: [Signature]		Date: _____		Time: _____		Received by: [Signature]		Date: _____		Time: _____										
Data Package Options (please check if required)							Relinquished by: [Signature]		Date: _____		Time: _____		Received by: [Signature]		Date: _____		Time: _____										
Type I (Validation/non-CLP) ☐ MA MCP ☐							Relinquished by: [Signature]		Date: _____		Time: _____		Received by: [Signature]		Date: _____		Time: _____										
Type III (Reduced non-CLP) ☐ CT RCP ☐							Relinquished by: [Signature]		Date: _____		Time: _____		Received by: [Signature]		Date: _____		Time: _____										
Type VI (Raw Data Only) ☐ TX TRRP-13 ☐							Relinquished by: [Signature]		Date: _____		Time: _____		Received by: [Signature]		Date: _____		Time: _____										
NJ DKQP ☐ NYSDEC Category ☐ A or ☐ B							Relinquished by Commercial Carrier:		Date: 6/2/26		Time: 1740		Received by: [Signature]		Date: _____		Time: _____										
EDD Required? Yes ☒ No ☐ If yes, format: _____							UPS _____ FedEx _____ Other _____		Date: 6/2/26		Time: 1740		Received by: [Signature]		Date: _____		Time: _____										

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12/

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 410-286356-1

Login Number: 286356

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Metzger, Katherine A

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	True	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	



ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Tim Uhler
Groundwater & Environmental Services Inc
410 Eagleview Boulevard
Suite 110
Exton, Pennsylvania 19341-2577

Generated 6/24/2026 8:43:25 AM

JOB DESCRIPTION

GTAC-Bishop Tube HSCA Site

JOB NUMBER

410-286539-1

Eurofins Lancaster Laboratories Environment Testing, LLC

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
6/24/2026 8:43:25 AM

Authorized for release by
Amek Carter, Project Manager
Loran.Carter@et.eurofinsus.com
(717)556-7252

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

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Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
^c	CCV Recovery is outside acceptance limits.
cn	Refer to Case Narrative for further detail
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

HPLC/IC

Qualifier	Qualifier Description
FH	MS and/or MSD recovery above control limits.

LCMS

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
I	Ion ratio outside limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Groundwater & Environmental Services Inc
Project: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Job ID: 410-286539-1

Eurofins Lancaster Laboratories Environment

Job Narrative 410-286539-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 6/3/2026 6:20 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.1°C.

Receipt Exceptions

A trip blank was not submitted for analysis with this sample shipment; and was not listed on the Chain of Custody (COC).

GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-835835 recovered above the upper control limit for Carbon tetrachloride, 1,1,1-Trichloroethane and Freon 113. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-835835 recovered outside acceptance criteria, low biased, for 4-Methyl-2-pentanone, 2-Hexanone, Chloroethane, 2-Butanone and Methyl acetate. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The method requirement for no headspace was not met. The container (s) used for reanalysis of the following samples contained headspace: MW-26B (410-286539-4) and Duplicate 5 (410-286539-6).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

PFAS

Method 1633A: Due to TSS greater than 50 mg/L when compared to a visual standard, the samples were spiked with extracted internal standards, shaken and centrifuged. The aqueous portion was decanted into the original container and extracted. The affected sample is MW-26C (410-286539-5).

Method 1633A: Analyte Perfluorobutanesulfonic acid (PFBS) and 3-Perfluoropropylpropanoic acid (3:3 FTCA) was marked as non-detect for sample MW-26C (410-286539-5) due to a detection below RL and failing ion ratio.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals

Method 6020B - Dissolved: The following samples were not filtered within 15 minutes of sample collection as required by the method: MW-24 (410-286539-1), MW-26A (410-286539-3), MW-26B (410-286539-4), MW-26C (410-286539-5), MW-26C (410-286539-5[DU]), MW-26C (410-286539-5[MS]), MW-26C (410-286539-5[MSD]) and Duplicate 5 (410-286539-6). The sample(s) was filtered prior to analysis at the laboratory, and the results have been reported. This does not meet regulatory requirements.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Lancaster Laboratories Environment Testing, LLC

Case Narrative

Client: Groundwater & Environmental Services Inc
Project: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Job ID: 410-286539-1 (Continued)

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Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Client Sample ID: MW-24

Lab Sample ID: 410-286539-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	21		3.3	0.91	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	51		1.7	0.50	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	39		1.7	0.41	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	32		1.7	0.66	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	29		1.7	0.75	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	38		1.7	0.41	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.1	J	1.7	0.41	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.92	J	1.7	0.66	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.4		1.7	1.1	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	1.4	J	3.3	0.83	ng/L	1		1633A	Total/NA
Manganese	0.0017	J cn	0.0021	0.0013	mg/L	1		6020B	Dissolved

Client Sample ID: MW-61

Lab Sample ID: 410-286539-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	3.2		1.0	0.30	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	130		1.0	0.30	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	0.85	J	2.0	0.70	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	210	^c cn	1.0	0.30	ug/L	1		8260D	Total/NA
Vinyl chloride	1.1		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	11		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	23		1.0	0.30	ug/L	1		8260D	Total/NA
Freon 113	31	^c cn	10	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	150		1.0	0.30	ug/L	1		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	22		2.8	0.78	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	60		1.4	0.43	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	36		1.4	0.36	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	27		1.4	0.57	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	29		1.4	0.64	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	14		1.4	0.36	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	0.38	J	1.4	0.36	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.1		1.4	0.36	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.2	J	1.4	0.57	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	5.8		1.4	0.92	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	9.6		2.8	0.71	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	1.1	J	2.8	0.71	ng/L	1		1633A	Total/NA

Client Sample ID: MW-26A

Lab Sample ID: 410-286539-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	31		1.0	0.30	ug/L	1		8260D	Total/NA
Methyl tertiary butyl ether	0.67	J	1.0	0.20	ug/L	1		8260D	Total/NA
Acetone	2.9	J	20	0.70	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	5.8	^c cn	1.0	0.30	ug/L	1		8260D	Total/NA
Vinyl chloride	3.0		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	3.5		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	2.5		1.0	0.30	ug/L	1		8260D	Total/NA
Fluoride	0.55		0.20	0.10	mg/L	1		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	52		3.6	0.99	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	64		1.8	0.54	ng/L	1		1633A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Client Sample ID: MW-26A (Continued)

Lab Sample ID: 410-286539-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	49		1.8	0.45	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	41		1.8	0.72	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	41		1.8	0.81	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	15		1.8	0.45	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	3.0		1.8	0.45	ng/L	1		1633A	Total/NA
Perfluoroundecanoic acid (PFUnA)	1.1	J	1.8	0.45	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.4	J	1.8	0.45	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	5.1		1.8	1.2	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	82		3.6	0.90	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	17		3.6	0.90	ng/L	1		1633A	Total/NA
3-Perfluoropentylpropanoic acid (5:3 FTCA)	2.9	J	9.0	2.5	ng/L	1		1633A	Total/NA
Chromium	0.0011	J cn	0.0021	0.00057	mg/L	1		6020B	Dissolved
Manganese	0.46	cn	0.0021	0.0013	mg/L	1		6020B	Dissolved
Nickel	0.0035	cn	0.0010	0.00041	mg/L	1		6020B	Dissolved

Client Sample ID: MW-26B

Lab Sample ID: 410-286539-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.39	J	1.0	0.30	ug/L	1		8260D	Total/NA
Tetrachloroethene	92		1.0	0.30	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	110		1.0	0.30	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	5.2		2.0	0.70	ug/L	1		8260D	Total/NA
Acetone	3.5	J	20	0.70	ug/L	1		8260D	Total/NA
Vinyl chloride	2.7		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	3.2		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	4.7		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene - DL	5900	cn	100	30	ug/L	100		8260D	Total/NA
Fluoride	0.61		0.20	0.10	mg/L	1		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	16		3.6	0.98	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	19		1.8	0.54	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	13		1.8	0.45	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	11		1.8	0.71	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	8.7		1.8	0.80	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	2.0		1.8	0.45	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.0	J	1.8	0.45	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.6	J	1.8	1.2	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	12		3.6	0.89	ng/L	1		1633A	Total/NA
Manganese	0.018	cn	0.0021	0.0013	mg/L	1		6020B	Dissolved
Nickel	0.0071	cn	0.0010	0.00041	mg/L	1		6020B	Dissolved

Client Sample ID: MW-26C

Lab Sample ID: 410-286539-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	630		500	150	ug/L	500		8260D	Total/NA
cis-1,2-Dichloroethene	24000		500	150	ug/L	500		8260D	Total/NA
Trichloroethene - DL	520000		5000	1500	ug/L	5000		8260D	Total/NA
Fluoride	2.4	FH	2.0	1.0	mg/L	10		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	40	cn	3.8	1.0	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	120	cn	1.9	0.57	ng/L	1		1633A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Client Sample ID: MW-26C (Continued)

Lab Sample ID: 410-286539-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	70	cn	1.9	0.48	ng/L	1			1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	40	cn	1.9	0.76	ng/L	1			1633A	Total/NA
Perfluorooctanoic acid (PFOA)	26	cn	1.9	0.86	ng/L	1			1633A	Total/NA
Perfluorononanoic acid (PFNA)	11	cn	1.9	0.48	ng/L	1			1633A	Total/NA
Perfluoroundecanoic acid (PFUnA)	2.2	cn	1.9	0.48	ng/L	1			1633A	Total/NA
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	2.9	J cn	3.8	0.95	ng/L	1			1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	120	cn	3.8	0.95	ng/L	1			1633A	Total/NA
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.7	J cn	9.5	2.7	ng/L	1			1633A	Total/NA
Manganese	0.057	cn	0.0021	0.0013	mg/L	1			6020B	Dissolved
Nickel	0.0046	cn	0.0010	0.00041	mg/L	1			6020B	Dissolved

Client Sample ID: Duplicate 5

Lab Sample ID: 410-286539-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Toluene	0.31	J	1.0	0.30	ug/L	1			8260D	Total/NA
Tetrachloroethene	85		1.0	0.30	ug/L	1			8260D	Total/NA
cis-1,2-Dichloroethene	100		1.0	0.30	ug/L	1			8260D	Total/NA
trans-1,2-Dichloroethene	4.8		2.0	0.70	ug/L	1			8260D	Total/NA
Acetone	19	J	20	0.70	ug/L	1			8260D	Total/NA
Vinyl chloride	2.5		1.0	0.30	ug/L	1			8260D	Total/NA
1,1-Dichloroethane	3.1		1.0	0.30	ug/L	1			8260D	Total/NA
1,1-Dichloroethene	4.5		1.0	0.30	ug/L	1			8260D	Total/NA
Trichloroethene - DL	5900	cn	100	30	ug/L	100			8260D	Total/NA
Fluoride	0.61		0.20	0.10	mg/L	1			9056A	Dissolved
Perfluorobutanoic acid (PFBA)	16		3.7	1.0	ng/L	1			1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	8.4		1.8	0.55	ng/L	1			1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	6.3		1.8	0.46	ng/L	1			1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	3.6		1.8	0.74	ng/L	1			1633A	Total/NA
Perfluorooctanoic acid (PFOA)	4.1		1.8	0.83	ng/L	1			1633A	Total/NA
Perfluorononanoic acid (PFNA)	1.4	J	1.8	0.46	ng/L	1			1633A	Total/NA
Perfluorodecanoic acid (PFDA)	0.57	J	1.8	0.46	ng/L	1			1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.98	J	1.8	0.46	ng/L	1			1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.9		1.8	1.2	ng/L	1			1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	3.0	J	3.7	0.92	ng/L	1			1633A	Total/NA
Manganese	0.012	cn	0.0021	0.0013	mg/L	1			6020B	Dissolved
Nickel	0.0059	cn	0.0010	0.00041	mg/L	1			6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Client Sample ID: MW-24

Lab Sample ID: 410-286539-1

Date Collected: 06/03/26 11:15

Matrix: Water

Date Received: 06/03/26 18:20

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/16/26 14:40	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/16/26 14:40	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/16/26 14:40	1
Styrene	ND		5.0	0.30	ug/L			06/16/26 14:40	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/16/26 14:40	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/16/26 14:40	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/16/26 14:40	1
4-Methyl-2-pentanone	ND	^c cn	10	0.50	ug/L			06/16/26 14:40	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/16/26 14:40	1
Toluene	ND		1.0	0.30	ug/L			06/16/26 14:40	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/16/26 14:40	1
Cyclohexane	ND		5.0	1.0	ug/L			06/16/26 14:40	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/16/26 14:40	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/16/26 14:40	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/16/26 14:40	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/16/26 14:40	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/16/26 14:40	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/16/26 14:40	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/16/26 14:40	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/16/26 14:40	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			06/16/26 14:40	1
2-Hexanone	ND	^c cn	10	0.85	ug/L			06/16/26 14:40	1
Acetone	ND		20	0.70	ug/L			06/16/26 14:40	1
Chloroform	ND		1.0	0.30	ug/L			06/16/26 14:40	1
Benzene	ND		1.0	0.30	ug/L			06/16/26 14:40	1
1,1,1-Trichloroethane	ND	^c cn	1.0	0.30	ug/L			06/16/26 14:40	1
Bromomethane	ND		1.0	0.30	ug/L			06/16/26 14:40	1
Chloromethane	ND	^c	2.0	0.55	ug/L			06/16/26 14:40	1
Chloroethane	ND	cn	1.0	0.30	ug/L			06/16/26 14:40	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/16/26 14:40	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/16/26 14:40	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/16/26 14:40	1
Bromoform	ND		4.0	1.0	ug/L			06/16/26 14:40	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/16/26 14:40	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/16/26 14:40	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/16/26 14:40	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/16/26 14:40	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/16/26 14:40	1
Freon 113	ND	^c cn	10	0.30	ug/L			06/16/26 14:40	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/16/26 14:40	1
2-Butanone	ND	^c cn	10	1.0	ug/L			06/16/26 14:40	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/16/26 14:40	1
Trichloroethene	ND		1.0	0.30	ug/L			06/16/26 14:40	1
Methyl acetate	ND	^c cn	5.0	0.60	ug/L			06/16/26 14:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/16/26 14:40	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/16/26 14:40	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/16/26 14:40	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/16/26 14:40	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Client Sample ID: MW-24

Lab Sample ID: 410-286539-1

Date Collected: 06/03/26 11:15

Matrix: Water

Date Received: 06/03/26 18:20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		80 - 120		06/16/26 14:40	1
Dibromofluoromethane (Surr)	115		80 - 120		06/16/26 14:40	1
4-Bromofluorobenzene (Surr)	91		80 - 120		06/16/26 14:40	1
Toluene-d8 (Surr)	90		80 - 120		06/16/26 14:40	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/04/26 09:55	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20	0.10	mg/L			06/15/26 22:25	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	21		3.3	0.91	ng/L		06/15/26 08:18	06/15/26 21:46	1
Perfluoropentanoic acid (PFPeA)	51		1.7	0.50	ng/L		06/15/26 08:18	06/15/26 21:46	1
Perfluorohexanoic acid (PFHxA)	39		1.7	0.41	ng/L		06/15/26 08:18	06/15/26 21:46	1
Perfluoroheptanoic acid (PFHpA)	32		1.7	0.66	ng/L		06/15/26 08:18	06/15/26 21:46	1
Perfluorooctanoic acid (PFOA)	29		1.7	0.75	ng/L		06/15/26 08:18	06/15/26 21:46	1
Perfluorononanoic acid (PFNA)	38		1.7	0.41	ng/L		06/15/26 08:18	06/15/26 21:46	1
Perfluorodecanoic acid (PFDA)	ND		1.7	0.41	ng/L		06/15/26 08:18	06/15/26 21:46	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.41	ng/L		06/15/26 08:18	06/15/26 21:46	1
Perfluorododecanoic acid (PFDoA)	ND		1.7	0.41	ng/L		06/15/26 08:18	06/15/26 21:46	1
Perfluorotridecanoic acid (PFTriDA)	ND		1.7	0.41	ng/L		06/15/26 08:18	06/15/26 21:46	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.7	0.41	ng/L		06/15/26 08:18	06/15/26 21:46	1
Perfluorobutanesulfonic acid (PFBS)	1.1 J		1.7	0.41	ng/L		06/15/26 08:18	06/15/26 21:46	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.7	0.41	ng/L		06/15/26 08:18	06/15/26 21:46	1
Perfluorohexanesulfonic acid (PFHxS)	0.92 J		1.7	0.66	ng/L		06/15/26 08:18	06/15/26 21:46	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.7	0.41	ng/L		06/15/26 08:18	06/15/26 21:46	1
Perfluorooctanesulfonic acid (PFOS)	2.4		1.7	1.1	ng/L		06/15/26 08:18	06/15/26 21:46	1
Perfluorononanesulfonic acid (PFNS)	ND		1.7	0.41	ng/L		06/15/26 08:18	06/15/26 21:46	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.41	ng/L		06/15/26 08:18	06/15/26 21:46	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.7	0.50	ng/L		06/15/26 08:18	06/15/26 21:46	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.3	0.83	ng/L		06/15/26 08:18	06/15/26 21:46	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	1.4 J		3.3	0.83	ng/L		06/15/26 08:18	06/15/26 21:46	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.3	0.83	ng/L		06/15/26 08:18	06/15/26 21:46	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.7	0.41	ng/L		06/15/26 08:18	06/15/26 21:46	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.7	0.41	ng/L		06/15/26 08:18	06/15/26 21:46	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.7	0.91	ng/L		06/15/26 08:18	06/15/26 21:46	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.7	0.41	ng/L		06/15/26 08:18	06/15/26 21:46	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Client Sample ID: MW-24

Lab Sample ID: 410-286539-1

Date Collected: 06/03/26 11:15

Matrix: Water

Date Received: 06/03/26 18:20

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.7	0.41	ng/L		06/15/26 08:18	06/15/26 21:46	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.3	3.3	ng/L		06/15/26 08:18	06/15/26 21:46	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.3	3.3	ng/L		06/15/26 08:18	06/15/26 21:46	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.7	1.2	ng/L		06/15/26 08:18	06/15/26 21:46	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.7	0.41	ng/L		06/15/26 08:18	06/15/26 21:46	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.7	0.41	ng/L		06/15/26 08:18	06/15/26 21:46	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.7	0.41	ng/L		06/15/26 08:18	06/15/26 21:46	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.7	0.41	ng/L		06/15/26 08:18	06/15/26 21:46	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.7	0.41	ng/L		06/15/26 08:18	06/15/26 21:46	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.7	0.41	ng/L		06/15/26 08:18	06/15/26 21:46	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.7	0.41	ng/L		06/15/26 08:18	06/15/26 21:46	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.3	0.83	ng/L		06/15/26 08:18	06/15/26 21:46	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		8.3	2.3	ng/L		06/15/26 08:18	06/15/26 21:46	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.3	2.1	ng/L		06/15/26 08:18	06/15/26 21:46	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	100		5 - 130	06/15/26 08:18	06/15/26 21:46	1
13C5 PFPeA	101		40 - 130	06/15/26 08:18	06/15/26 21:46	1
13C5 PFHxA	96.4		40 - 130	06/15/26 08:18	06/15/26 21:46	1
13C4 PFHpA	94.8		40 - 130	06/15/26 08:18	06/15/26 21:46	1
13C8 PFOA	94.3		40 - 130	06/15/26 08:18	06/15/26 21:46	1
13C9 PFNA	92.2		40 - 130	06/15/26 08:18	06/15/26 21:46	1
13C6 PFDA	89.8		40 - 130	06/15/26 08:18	06/15/26 21:46	1
13C7 PFUnA	82.8		30 - 130	06/15/26 08:18	06/15/26 21:46	1
13C2 PFTeDA	73.4		10 - 130	06/15/26 08:18	06/15/26 21:46	1
13C3 PFBS	99.7		40 - 135	06/15/26 08:18	06/15/26 21:46	1
13C3 PFHxS	95.2		40 - 130	06/15/26 08:18	06/15/26 21:46	1
13C8 PFOS	90.1		40 - 130	06/15/26 08:18	06/15/26 21:46	1
13C8 FOSA	80.6		40 - 130	06/15/26 08:18	06/15/26 21:46	1
d3-NMeFOSAA	64.5		40 - 170	06/15/26 08:18	06/15/26 21:46	1
d5-NEtFOSAA	58.6		25 - 135	06/15/26 08:18	06/15/26 21:46	1
13C2 4:2 FTS	82.3		40 - 200	06/15/26 08:18	06/15/26 21:46	1
13C2 6:2 FTS	80.6		40 - 200	06/15/26 08:18	06/15/26 21:46	1
13C2 8:2 FTS	106		40 - 300	06/15/26 08:18	06/15/26 21:46	1
13C3 HFPO-DA	92.2		40 - 130	06/15/26 08:18	06/15/26 21:46	1
d7-N-MeFOSE-M	58.4		10 - 130	06/15/26 08:18	06/15/26 21:46	1
d9-N-EtFOSE-M	50.8		10 - 130	06/15/26 08:18	06/15/26 21:46	1
d5-NEtPFOSA	63.5		10 - 130	06/15/26 08:18	06/15/26 21:46	1
d3-NMePFOSA	66.2		10 - 130	06/15/26 08:18	06/15/26 21:46	1
13C2 PFDoA	82.0		10 - 130	06/15/26 08:18	06/15/26 21:46	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Client Sample ID: MW-24

Lab Sample ID: 410-286539-1

Date Collected: 06/03/26 11:15

Matrix: Water

Date Received: 06/03/26 18:20

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-3:3 FTCA	126		20 - 150	06/15/26 08:18	06/15/26 21:46	1
13C3-5:3 FTCA	107		20 - 150	06/15/26 08:18	06/15/26 21:46	1
13C3-PFDoS	62.1		20 - 150	06/15/26 08:18	06/15/26 21:46	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND	cn	0.0021	0.00057	mg/L		06/11/26 01:15	06/11/26 19:55	1
Manganese	0.0017	J cn	0.0021	0.0013	mg/L		06/11/26 01:15	06/11/26 19:55	1
Nickel	ND	cn	0.0010	0.00041	mg/L		06/11/26 01:15	06/11/26 19:55	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Client Sample ID: MW-61

Lab Sample ID: 410-286539-2

Date Collected: 06/03/26 10:30

Matrix: Water

Date Received: 06/03/26 18:20

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/16/26 15:01	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/16/26 15:01	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/16/26 15:01	1
Styrene	ND		5.0	0.30	ug/L			06/16/26 15:01	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/16/26 15:01	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/16/26 15:01	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/16/26 15:01	1
4-Methyl-2-pentanone	ND	^c cn	10	0.50	ug/L			06/16/26 15:01	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/16/26 15:01	1
Toluene	ND		1.0	0.30	ug/L			06/16/26 15:01	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/16/26 15:01	1
Cyclohexane	ND		5.0	1.0	ug/L			06/16/26 15:01	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/16/26 15:01	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/16/26 15:01	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/16/26 15:01	1
Tetrachloroethene	3.2		1.0	0.30	ug/L			06/16/26 15:01	1
cis-1,2-Dichloroethene	130		1.0	0.30	ug/L			06/16/26 15:01	1
trans-1,2-Dichloroethene	0.85 J		2.0	0.70	ug/L			06/16/26 15:01	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/16/26 15:01	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/16/26 15:01	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			06/16/26 15:01	1
2-Hexanone	ND	^c cn	10	0.85	ug/L			06/16/26 15:01	1
Acetone	ND		20	0.70	ug/L			06/16/26 15:01	1
Chloroform	ND		1.0	0.30	ug/L			06/16/26 15:01	1
Benzene	ND		1.0	0.30	ug/L			06/16/26 15:01	1
1,1,1-Trichloroethane	210	^c cn	1.0	0.30	ug/L			06/16/26 15:01	1
Bromomethane	ND		1.0	0.30	ug/L			06/16/26 15:01	1
Chloromethane	ND	^c	2.0	0.55	ug/L			06/16/26 15:01	1
Chloroethane	ND	cn	1.0	0.30	ug/L			06/16/26 15:01	1
Vinyl chloride	1.1		1.0	0.30	ug/L			06/16/26 15:01	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/16/26 15:01	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/16/26 15:01	1
Bromoform	ND		4.0	1.0	ug/L			06/16/26 15:01	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/16/26 15:01	1
1,1-Dichloroethane	11		1.0	0.30	ug/L			06/16/26 15:01	1
1,1-Dichloroethene	23		1.0	0.30	ug/L			06/16/26 15:01	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/16/26 15:01	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/16/26 15:01	1
Freon 113	31	^c cn	10	0.30	ug/L			06/16/26 15:01	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/16/26 15:01	1
2-Butanone	ND	^c cn	10	1.0	ug/L			06/16/26 15:01	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/16/26 15:01	1
Trichloroethene	150		1.0	0.30	ug/L			06/16/26 15:01	1
Methyl acetate	ND	^c cn	5.0	0.60	ug/L			06/16/26 15:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/16/26 15:01	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/16/26 15:01	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/16/26 15:01	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/16/26 15:01	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Client Sample ID: MW-61

Lab Sample ID: 410-286539-2

Date Collected: 06/03/26 10:30

Matrix: Water

Date Received: 06/03/26 18:20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		06/16/26 15:01	1
Dibromofluoromethane (Surr)	117		80 - 120		06/16/26 15:01	1
4-Bromofluorobenzene (Surr)	90		80 - 120		06/16/26 15:01	1
Toluene-d8 (Surr)	93		80 - 120		06/16/26 15:01	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	22		2.8	0.78	ng/L		06/15/26 08:18	06/15/26 22:00	1
Perfluoropentanoic acid (PFPeA)	60		1.4	0.43	ng/L		06/15/26 08:18	06/15/26 22:00	1
Perfluorohexanoic acid (PFHxA)	36		1.4	0.36	ng/L		06/15/26 08:18	06/15/26 22:00	1
Perfluoroheptanoic acid (PFHpA)	27		1.4	0.57	ng/L		06/15/26 08:18	06/15/26 22:00	1
Perfluorooctanoic acid (PFOA)	29		1.4	0.64	ng/L		06/15/26 08:18	06/15/26 22:00	1
Perfluorononanoic acid (PFNA)	14		1.4	0.36	ng/L		06/15/26 08:18	06/15/26 22:00	1
Perfluorodecanoic acid (PFDA)	0.38	J	1.4	0.36	ng/L		06/15/26 08:18	06/15/26 22:00	1
Perfluoroundecanoic acid (PFUnA)	ND		1.4	0.36	ng/L		06/15/26 08:18	06/15/26 22:00	1
Perfluorododecanoic acid (PFDoA)	ND		1.4	0.36	ng/L		06/15/26 08:18	06/15/26 22:00	1
Perfluorotridecanoic acid (PFTrDA)	ND		1.4	0.36	ng/L		06/15/26 08:18	06/15/26 22:00	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.4	0.36	ng/L		06/15/26 08:18	06/15/26 22:00	1
Perfluorobutanesulfonic acid (PFBS)	2.1		1.4	0.36	ng/L		06/15/26 08:18	06/15/26 22:00	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.4	0.36	ng/L		06/15/26 08:18	06/15/26 22:00	1
Perfluorohexanesulfonic acid (PFHxS)	1.2	J	1.4	0.57	ng/L		06/15/26 08:18	06/15/26 22:00	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.4	0.36	ng/L		06/15/26 08:18	06/15/26 22:00	1
Perfluorooctanesulfonic acid (PFOS)	5.8		1.4	0.92	ng/L		06/15/26 08:18	06/15/26 22:00	1
Perfluorononanesulfonic acid (PFNS)	ND		1.4	0.36	ng/L		06/15/26 08:18	06/15/26 22:00	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.4	0.36	ng/L		06/15/26 08:18	06/15/26 22:00	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.4	0.43	ng/L		06/15/26 08:18	06/15/26 22:00	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.8	0.71	ng/L		06/15/26 08:18	06/15/26 22:00	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	9.6		2.8	0.71	ng/L		06/15/26 08:18	06/15/26 22:00	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	1.1	J	2.8	0.71	ng/L		06/15/26 08:18	06/15/26 22:00	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.4	0.36	ng/L		06/15/26 08:18	06/15/26 22:00	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.4	0.36	ng/L		06/15/26 08:18	06/15/26 22:00	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.4	0.78	ng/L		06/15/26 08:18	06/15/26 22:00	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.4	0.36	ng/L		06/15/26 08:18	06/15/26 22:00	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.4	0.36	ng/L		06/15/26 08:18	06/15/26 22:00	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		7.1	2.8	ng/L		06/15/26 08:18	06/15/26 22:00	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		7.1	2.8	ng/L		06/15/26 08:18	06/15/26 22:00	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.4	1.0	ng/L		06/15/26 08:18	06/15/26 22:00	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Client Sample ID: MW-61

Lab Sample ID: 410-286539-2

Date Collected: 06/03/26 10:30

Matrix: Water

Date Received: 06/03/26 18:20

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.4	0.36	ng/L		06/15/26 08:18	06/15/26 22:00	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.4	0.36	ng/L		06/15/26 08:18	06/15/26 22:00	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.4	0.36	ng/L		06/15/26 08:18	06/15/26 22:00	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.4	0.36	ng/L		06/15/26 08:18	06/15/26 22:00	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		1.4	0.36	ng/L		06/15/26 08:18	06/15/26 22:00	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.4	0.36	ng/L		06/15/26 08:18	06/15/26 22:00	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.4	0.36	ng/L		06/15/26 08:18	06/15/26 22:00	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		2.8	0.71	ng/L		06/15/26 08:18	06/15/26 22:00	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		7.1	2.0	ng/L		06/15/26 08:18	06/15/26 22:00	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		7.1	1.8	ng/L		06/15/26 08:18	06/15/26 22:00	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	103		5 - 130	06/15/26 08:18	06/15/26 22:00	1
13C5 PFPeA	98.1		40 - 130	06/15/26 08:18	06/15/26 22:00	1
13C5 PFHxA	97.7		40 - 130	06/15/26 08:18	06/15/26 22:00	1
13C4 PFHpA	97.2		40 - 130	06/15/26 08:18	06/15/26 22:00	1
13C8 PFOA	95.8		40 - 130	06/15/26 08:18	06/15/26 22:00	1
13C9 PFNA	92.5		40 - 130	06/15/26 08:18	06/15/26 22:00	1
13C6 PFDA	87.1		40 - 130	06/15/26 08:18	06/15/26 22:00	1
13C7 PFUnA	81.7		30 - 130	06/15/26 08:18	06/15/26 22:00	1
13C2 PFTeDA	67.2		10 - 130	06/15/26 08:18	06/15/26 22:00	1
13C3 PFBS	106		40 - 135	06/15/26 08:18	06/15/26 22:00	1
13C3 PFHxS	92.9		40 - 130	06/15/26 08:18	06/15/26 22:00	1
13C8 PFOS	90.3		40 - 130	06/15/26 08:18	06/15/26 22:00	1
13C8 FOSA	79.2		40 - 130	06/15/26 08:18	06/15/26 22:00	1
d3-NMeFOSAA	69.5		40 - 170	06/15/26 08:18	06/15/26 22:00	1
d5-NEtFOSAA	63.4		25 - 135	06/15/26 08:18	06/15/26 22:00	1
13C2 4:2 FTS	102		40 - 200	06/15/26 08:18	06/15/26 22:00	1
13C2 6:2 FTS	83.4		40 - 200	06/15/26 08:18	06/15/26 22:00	1
13C2 8:2 FTS	119		40 - 300	06/15/26 08:18	06/15/26 22:00	1
13C3 HFPO-DA	90.8		40 - 130	06/15/26 08:18	06/15/26 22:00	1
d7-N-MeFOSE-M	61.4		10 - 130	06/15/26 08:18	06/15/26 22:00	1
d9-N-EtFOSE-M	56.8		10 - 130	06/15/26 08:18	06/15/26 22:00	1
d5-NEtPFOSA	67.5		10 - 130	06/15/26 08:18	06/15/26 22:00	1
d3-NMePFOSA	68.8		10 - 130	06/15/26 08:18	06/15/26 22:00	1
13C2 PFDoA	80.2		10 - 130	06/15/26 08:18	06/15/26 22:00	1
13C3-3:3 FTCA	133		20 - 150	06/15/26 08:18	06/15/26 22:00	1
13C3-5:3 FTCA	111		20 - 150	06/15/26 08:18	06/15/26 22:00	1
13C3-PFDoS	64.0		20 - 150	06/15/26 08:18	06/15/26 22:00	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Client Sample ID: MW-26A

Lab Sample ID: 410-286539-3

Date Collected: 06/03/26 08:45

Matrix: Water

Date Received: 06/03/26 18:20

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/16/26 15:22	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/16/26 15:22	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/16/26 15:22	1
Styrene	ND		5.0	0.30	ug/L			06/16/26 15:22	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/16/26 15:22	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/16/26 15:22	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/16/26 15:22	1
4-Methyl-2-pentanone	ND	^c cn	10	0.50	ug/L			06/16/26 15:22	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/16/26 15:22	1
Toluene	ND		1.0	0.30	ug/L			06/16/26 15:22	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/16/26 15:22	1
Cyclohexane	ND		5.0	1.0	ug/L			06/16/26 15:22	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/16/26 15:22	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/16/26 15:22	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/16/26 15:22	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/16/26 15:22	1
cis-1,2-Dichloroethene	31		1.0	0.30	ug/L			06/16/26 15:22	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/16/26 15:22	1
Methyl tertiary butyl ether	0.67	J	1.0	0.20	ug/L			06/16/26 15:22	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/16/26 15:22	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			06/16/26 15:22	1
2-Hexanone	ND	^c cn	10	0.85	ug/L			06/16/26 15:22	1
Acetone	2.9	J	20	0.70	ug/L			06/16/26 15:22	1
Chloroform	ND		1.0	0.30	ug/L			06/16/26 15:22	1
Benzene	ND		1.0	0.30	ug/L			06/16/26 15:22	1
1,1,1-Trichloroethane	5.8	^c cn	1.0	0.30	ug/L			06/16/26 15:22	1
Bromomethane	ND		1.0	0.30	ug/L			06/16/26 15:22	1
Chloromethane	ND	^c	2.0	0.55	ug/L			06/16/26 15:22	1
Chloroethane	ND	cn	1.0	0.30	ug/L			06/16/26 15:22	1
Vinyl chloride	3.0		1.0	0.30	ug/L			06/16/26 15:22	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/16/26 15:22	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/16/26 15:22	1
Bromoform	ND		4.0	1.0	ug/L			06/16/26 15:22	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/16/26 15:22	1
1,1-Dichloroethane	3.5		1.0	0.30	ug/L			06/16/26 15:22	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/16/26 15:22	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/16/26 15:22	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/16/26 15:22	1
Freon 113	ND	^c cn	10	0.30	ug/L			06/16/26 15:22	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/16/26 15:22	1
2-Butanone	ND	^c cn	10	1.0	ug/L			06/16/26 15:22	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/16/26 15:22	1
Trichloroethene	2.5		1.0	0.30	ug/L			06/16/26 15:22	1
Methyl acetate	ND	^c cn	5.0	0.60	ug/L			06/16/26 15:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/16/26 15:22	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/16/26 15:22	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/16/26 15:22	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/16/26 15:22	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Client Sample ID: MW-26A

Lab Sample ID: 410-286539-3

Date Collected: 06/03/26 08:45

Matrix: Water

Date Received: 06/03/26 18:20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		80 - 120		06/16/26 15:22	1
Dibromofluoromethane (Surr)	115		80 - 120		06/16/26 15:22	1
4-Bromofluorobenzene (Surr)	91		80 - 120		06/16/26 15:22	1
Toluene-d8 (Surr)	91		80 - 120		06/16/26 15:22	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/04/26 10:41	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.55		0.20	0.10	mg/L			06/15/26 23:19	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	52		3.6	0.99	ng/L		06/15/26 08:18	06/15/26 22:13	1
Perfluoropentanoic acid (PFPeA)	64		1.8	0.54	ng/L		06/15/26 08:18	06/15/26 22:13	1
Perfluorohexanoic acid (PFHxA)	49		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 22:13	1
Perfluoroheptanoic acid (PFHpA)	41		1.8	0.72	ng/L		06/15/26 08:18	06/15/26 22:13	1
Perfluorooctanoic acid (PFOA)	41		1.8	0.81	ng/L		06/15/26 08:18	06/15/26 22:13	1
Perfluorononanoic acid (PFNA)	15		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 22:13	1
Perfluorodecanoic acid (PFDA)	3.0		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 22:13	1
Perfluoroundecanoic acid (PFUnA)	1.1 J		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 22:13	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 22:13	1
Perfluorotridecanoic acid (PFTriDA)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 22:13	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 22:13	1
Perfluorobutanesulfonic acid (PFBS)	1.4 J		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 22:13	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 22:13	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.72	ng/L		06/15/26 08:18	06/15/26 22:13	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 22:13	1
Perfluorooctanesulfonic acid (PFOS)	5.1		1.8	1.2	ng/L		06/15/26 08:18	06/15/26 22:13	1
Perfluorononanesulfonic acid (PFNS)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 22:13	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 22:13	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.54	ng/L		06/15/26 08:18	06/15/26 22:13	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.6	0.90	ng/L		06/15/26 08:18	06/15/26 22:13	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	82		3.6	0.90	ng/L		06/15/26 08:18	06/15/26 22:13	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	17		3.6	0.90	ng/L		06/15/26 08:18	06/15/26 22:13	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 22:13	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 22:13	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.8	0.99	ng/L		06/15/26 08:18	06/15/26 22:13	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 22:13	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Client Sample ID: MW-26A

Lab Sample ID: 410-286539-3

Date Collected: 06/03/26 08:45

Matrix: Water

Date Received: 06/03/26 18:20

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 22:13	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		9.0	3.6	ng/L		06/15/26 08:18	06/15/26 22:13	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		9.0	3.6	ng/L		06/15/26 08:18	06/15/26 22:13	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.8	1.3	ng/L		06/15/26 08:18	06/15/26 22:13	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 22:13	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 22:13	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 22:13	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 22:13	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 22:13	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 22:13	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 22:13	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.6	0.90	ng/L		06/15/26 08:18	06/15/26 22:13	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	2.9	J	9.0	2.5	ng/L		06/15/26 08:18	06/15/26 22:13	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		9.0	2.3	ng/L		06/15/26 08:18	06/15/26 22:13	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	104		5 - 130	06/15/26 08:18	06/15/26 22:13	1
13C5 PFPeA	91.9		40 - 130	06/15/26 08:18	06/15/26 22:13	1
13C5 PFHxA	96.3		40 - 130	06/15/26 08:18	06/15/26 22:13	1
13C4 PFHpA	94.8		40 - 130	06/15/26 08:18	06/15/26 22:13	1
13C8 PFOA	98.6		40 - 130	06/15/26 08:18	06/15/26 22:13	1
13C9 PFNA	97.0		40 - 130	06/15/26 08:18	06/15/26 22:13	1
13C6 PFDA	88.7		40 - 130	06/15/26 08:18	06/15/26 22:13	1
13C7 PFUnA	87.7		30 - 130	06/15/26 08:18	06/15/26 22:13	1
13C2 PFTeDA	70.9		10 - 130	06/15/26 08:18	06/15/26 22:13	1
13C3 PFBS	105		40 - 135	06/15/26 08:18	06/15/26 22:13	1
13C3 PFHxS	94.5		40 - 130	06/15/26 08:18	06/15/26 22:13	1
13C8 PFOS	86.9		40 - 130	06/15/26 08:18	06/15/26 22:13	1
13C8 FOSA	83.6		40 - 130	06/15/26 08:18	06/15/26 22:13	1
d3-NMeFOSAA	84.2		40 - 170	06/15/26 08:18	06/15/26 22:13	1
d5-NEtFOSAA	74.7		25 - 135	06/15/26 08:18	06/15/26 22:13	1
13C2 4:2 FTS	177		40 - 200	06/15/26 08:18	06/15/26 22:13	1
13C2 6:2 FTS	124		40 - 200	06/15/26 08:18	06/15/26 22:13	1
13C2 8:2 FTS	127		40 - 300	06/15/26 08:18	06/15/26 22:13	1
13C3 HFPO-DA	86.0		40 - 130	06/15/26 08:18	06/15/26 22:13	1
d7-N-MeFOSE-M	64.4		10 - 130	06/15/26 08:18	06/15/26 22:13	1
d9-N-EtFOSE-M	58.6		10 - 130	06/15/26 08:18	06/15/26 22:13	1
d5-NEtPFOSA	70.7		10 - 130	06/15/26 08:18	06/15/26 22:13	1
d3-NMePFOSA	71.4		10 - 130	06/15/26 08:18	06/15/26 22:13	1
13C2 PFDoA	89.0		10 - 130	06/15/26 08:18	06/15/26 22:13	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Client Sample ID: MW-26A

Lab Sample ID: 410-286539-3

Date Collected: 06/03/26 08:45

Matrix: Water

Date Received: 06/03/26 18:20

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-3:3 FTCA	139		20 - 150	06/15/26 08:18	06/15/26 22:13	1
13C3-5:3 FTCA	119		20 - 150	06/15/26 08:18	06/15/26 22:13	1
13C3-PFDoS	66.1		20 - 150	06/15/26 08:18	06/15/26 22:13	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.0011	J cn	0.0021	0.00057	mg/L		06/11/26 01:15	06/11/26 20:01	1
Manganese	0.46	cn	0.0021	0.0013	mg/L		06/11/26 01:15	06/11/26 20:01	1
Nickel	0.0035	cn	0.0010	0.00041	mg/L		06/11/26 01:15	06/11/26 20:01	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Client Sample ID: MW-26B

Lab Sample ID: 410-286539-4

Date Collected: 06/03/26 09:00

Matrix: Water

Date Received: 06/03/26 18:20

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/16/26 15:42	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/16/26 15:42	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/16/26 15:42	1
Styrene	ND		5.0	0.30	ug/L			06/16/26 15:42	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/16/26 15:42	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/16/26 15:42	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/16/26 15:42	1
4-Methyl-2-pentanone	ND	^c cn	10	0.50	ug/L			06/16/26 15:42	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/16/26 15:42	1
Toluene	0.39	J	1.0	0.30	ug/L			06/16/26 15:42	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/16/26 15:42	1
Cyclohexane	ND		5.0	1.0	ug/L			06/16/26 15:42	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/16/26 15:42	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/16/26 15:42	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/16/26 15:42	1
Tetrachloroethene	92		1.0	0.30	ug/L			06/16/26 15:42	1
cis-1,2-Dichloroethene	110		1.0	0.30	ug/L			06/16/26 15:42	1
trans-1,2-Dichloroethene	5.2		2.0	0.70	ug/L			06/16/26 15:42	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/16/26 15:42	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/16/26 15:42	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			06/16/26 15:42	1
2-Hexanone	ND	^c cn	10	0.85	ug/L			06/16/26 15:42	1
Acetone	3.5	J	20	0.70	ug/L			06/16/26 15:42	1
Chloroform	ND		1.0	0.30	ug/L			06/16/26 15:42	1
Benzene	ND		1.0	0.30	ug/L			06/16/26 15:42	1
1,1,1-Trichloroethane	ND	^c cn	1.0	0.30	ug/L			06/16/26 15:42	1
Bromomethane	ND		1.0	0.30	ug/L			06/16/26 15:42	1
Chloromethane	ND	^c	2.0	0.55	ug/L			06/16/26 15:42	1
Chloroethane	ND	cn	1.0	0.30	ug/L			06/16/26 15:42	1
Vinyl chloride	2.7		1.0	0.30	ug/L			06/16/26 15:42	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/16/26 15:42	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/16/26 15:42	1
Bromoform	ND		4.0	1.0	ug/L			06/16/26 15:42	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/16/26 15:42	1
1,1-Dichloroethane	3.2		1.0	0.30	ug/L			06/16/26 15:42	1
1,1-Dichloroethene	4.7		1.0	0.30	ug/L			06/16/26 15:42	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/16/26 15:42	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/16/26 15:42	1
Freon 113	ND	^c cn	10	0.30	ug/L			06/16/26 15:42	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/16/26 15:42	1
2-Butanone	ND	^c cn	10	1.0	ug/L			06/16/26 15:42	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/16/26 15:42	1
Methyl acetate	ND	^c cn	5.0	0.60	ug/L			06/16/26 15:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/16/26 15:42	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/16/26 15:42	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/16/26 15:42	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/16/26 15:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		06/16/26 15:42	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Client Sample ID: MW-26B

Lab Sample ID: 410-286539-4

Date Collected: 06/03/26 09:00

Matrix: Water

Date Received: 06/03/26 18:20

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	111		80 - 120		06/16/26 15:42	1
4-Bromofluorobenzene (Surr)	90		80 - 120		06/16/26 15:42	1
Toluene-d8 (Surr)	96		80 - 120		06/16/26 15:42	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	5900	cn	100	30	ug/L			06/17/26 16:28	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103	cn	80 - 120		06/17/26 16:28	100
Dibromofluoromethane (Surr)	102	cn	80 - 120		06/17/26 16:28	100
4-Bromofluorobenzene (Surr)	101	cn	80 - 120		06/17/26 16:28	100
Toluene-d8 (Surr)	101	cn	80 - 120		06/17/26 16:28	100

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/04/26 09:47	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.61		0.20	0.10	mg/L			06/15/26 23:45	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	16		3.6	0.98	ng/L		06/15/26 08:18	06/15/26 22:27	1
Perfluoropentanoic acid (PFPeA)	19		1.8	0.54	ng/L		06/15/26 08:18	06/15/26 22:27	1
Perfluorohexanoic acid (PFHxA)	13		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 22:27	1
Perfluoroheptanoic acid (PFHpA)	11		1.8	0.71	ng/L		06/15/26 08:18	06/15/26 22:27	1
Perfluorooctanoic acid (PFOA)	8.7		1.8	0.80	ng/L		06/15/26 08:18	06/15/26 22:27	1
Perfluorononanoic acid (PFNA)	2.0		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 22:27	1
Perfluorodecanoic acid (PFDA)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 22:27	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 22:27	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 22:27	1
Perfluorotridecanoic acid (PFTTrDA)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 22:27	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 22:27	1
Perfluorobutanesulfonic acid (PFBS)	1.0	J	1.8	0.45	ng/L		06/15/26 08:18	06/15/26 22:27	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 22:27	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.71	ng/L		06/15/26 08:18	06/15/26 22:27	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 22:27	1
Perfluorooctanesulfonic acid (PFOS)	1.6	J	1.8	1.2	ng/L		06/15/26 08:18	06/15/26 22:27	1
Perfluorononanesulfonic acid (PFNS)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 22:27	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 22:27	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.54	ng/L		06/15/26 08:18	06/15/26 22:27	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.6	0.89	ng/L		06/15/26 08:18	06/15/26 22:27	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	12		3.6	0.89	ng/L		06/15/26 08:18	06/15/26 22:27	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Client Sample ID: MW-26B

Lab Sample ID: 410-286539-4

Date Collected: 06/03/26 09:00

Matrix: Water

Date Received: 06/03/26 18:20

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.6	0.89	ng/L		06/15/26 08:18	06/15/26 22:27	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 22:27	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 22:27	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.8	0.98	ng/L		06/15/26 08:18	06/15/26 22:27	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 22:27	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 22:27	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.9	3.6	ng/L		06/15/26 08:18	06/15/26 22:27	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.9	3.6	ng/L		06/15/26 08:18	06/15/26 22:27	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.8	1.2	ng/L		06/15/26 08:18	06/15/26 22:27	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 22:27	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 22:27	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 22:27	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 22:27	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 22:27	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 22:27	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 22:27	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.6	0.89	ng/L		06/15/26 08:18	06/15/26 22:27	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		8.9	2.5	ng/L		06/15/26 08:18	06/15/26 22:27	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.9	2.2	ng/L		06/15/26 08:18	06/15/26 22:27	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	94.2		5 - 130	06/15/26 08:18	06/15/26 22:27	1
13C5 PFPeA	92.3		40 - 130	06/15/26 08:18	06/15/26 22:27	1
13C5 PFHxA	88.7		40 - 130	06/15/26 08:18	06/15/26 22:27	1
13C4 PFHpA	83.2		40 - 130	06/15/26 08:18	06/15/26 22:27	1
13C8 PFOA	86.8		40 - 130	06/15/26 08:18	06/15/26 22:27	1
13C9 PFNA	80.6		40 - 130	06/15/26 08:18	06/15/26 22:27	1
13C6 PFDA	75.4		40 - 130	06/15/26 08:18	06/15/26 22:27	1
13C7 PFUnA	74.2		30 - 130	06/15/26 08:18	06/15/26 22:27	1
13C2 PFTeDA	70.6		10 - 130	06/15/26 08:18	06/15/26 22:27	1
13C3 PFBS	88.2		40 - 135	06/15/26 08:18	06/15/26 22:27	1
13C3 PFHxS	82.7		40 - 130	06/15/26 08:18	06/15/26 22:27	1
13C8 PFOS	73.2		40 - 130	06/15/26 08:18	06/15/26 22:27	1
13C8 FOSA	70.7		40 - 130	06/15/26 08:18	06/15/26 22:27	1
d3-NMeFOSAA	54.2		40 - 170	06/15/26 08:18	06/15/26 22:27	1
d5-NEtFOSAA	52.2		25 - 135	06/15/26 08:18	06/15/26 22:27	1
13C2 4:2 FTS	93.4		40 - 200	06/15/26 08:18	06/15/26 22:27	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Client Sample ID: MW-26B

Lab Sample ID: 410-286539-4

Date Collected: 06/03/26 09:00

Matrix: Water

Date Received: 06/03/26 18:20

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 6:2 FTS	76.9		40 - 200	06/15/26 08:18	06/15/26 22:27	1
13C2 8:2 FTS	81.1		40 - 300	06/15/26 08:18	06/15/26 22:27	1
13C3 HFPO-DA	84.7		40 - 130	06/15/26 08:18	06/15/26 22:27	1
d7-N-MeFOSE-M	56.2		10 - 130	06/15/26 08:18	06/15/26 22:27	1
d9-N-EtFOSE-M	51.8		10 - 130	06/15/26 08:18	06/15/26 22:27	1
d5-NEtPFOSA	62.3		10 - 130	06/15/26 08:18	06/15/26 22:27	1
d3-NMePFOSA	63.2		10 - 130	06/15/26 08:18	06/15/26 22:27	1
13C2 PFDoA	80.5		10 - 130	06/15/26 08:18	06/15/26 22:27	1
13C3-3:3 FTCA	123		20 - 150	06/15/26 08:18	06/15/26 22:27	1
13C3-5:3 FTCA	97.4		20 - 150	06/15/26 08:18	06/15/26 22:27	1
13C3-PFDoS	62.1		20 - 150	06/15/26 08:18	06/15/26 22:27	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND	cn	0.0021	0.00057	mg/L		06/11/26 01:15	06/11/26 19:57	1
Manganese	0.018	cn	0.0021	0.0013	mg/L		06/11/26 01:15	06/11/26 19:57	1
Nickel	0.0071	cn	0.0010	0.00041	mg/L		06/11/26 01:15	06/11/26 19:57	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Client Sample ID: MW-26C

Lab Sample ID: 410-286539-5

Date Collected: 06/03/26 09:15

Matrix: Water

Date Received: 06/03/26 18:20

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		500	250	ug/L			06/16/26 18:27	500
trans-1,3-Dichloropropene	ND		500	100	ug/L			06/16/26 18:27	500
Ethylbenzene	ND		500	200	ug/L			06/16/26 18:27	500
Styrene	ND		2500	150	ug/L			06/16/26 18:27	500
1,4-Dichlorobenzene	ND		2500	150	ug/L			06/16/26 18:27	500
1,2-Dibromoethane	ND		500	100	ug/L			06/16/26 18:27	500
1,2-Dichloroethane	ND		500	150	ug/L			06/16/26 18:27	500
4-Methyl-2-pentanone	ND	^c cn	5000	250	ug/L			06/16/26 18:27	500
Methylcyclohexane	ND		2500	250	ug/L			06/16/26 18:27	500
Toluene	ND		500	150	ug/L			06/16/26 18:27	500
Chlorobenzene	ND		500	150	ug/L			06/16/26 18:27	500
Cyclohexane	ND		2500	500	ug/L			06/16/26 18:27	500
1,2,4-Trichlorobenzene	ND		2500	150	ug/L			06/16/26 18:27	500
Dibromochloromethane	ND		500	100	ug/L			06/16/26 18:27	500
Xylenes, Total	ND		500	200	ug/L			06/16/26 18:27	500
Tetrachloroethene	630		500	150	ug/L			06/16/26 18:27	500
cis-1,2-Dichloroethene	24000		500	150	ug/L			06/16/26 18:27	500
trans-1,2-Dichloroethene	ND		1000	350	ug/L			06/16/26 18:27	500
Methyl tertiary butyl ether	ND		500	100	ug/L			06/16/26 18:27	500
1,3-Dichlorobenzene	ND		2500	340	ug/L			06/16/26 18:27	500
Carbon tetrachloride	ND	^c cn	500	150	ug/L			06/16/26 18:27	500
2-Hexanone	ND	^c cn	5000	430	ug/L			06/16/26 18:27	500
Acetone	ND		10000	350	ug/L			06/16/26 18:27	500
Chloroform	ND		500	150	ug/L			06/16/26 18:27	500
Benzene	ND		500	150	ug/L			06/16/26 18:27	500
1,1,1-Trichloroethane	ND	^c cn	500	150	ug/L			06/16/26 18:27	500
Bromomethane	ND		500	150	ug/L			06/16/26 18:27	500
Chloromethane	ND	^c	1000	280	ug/L			06/16/26 18:27	500
Chloroethane	ND	cn	500	150	ug/L			06/16/26 18:27	500
Vinyl chloride	ND		500	150	ug/L			06/16/26 18:27	500
Methylene Chloride	ND		500	150	ug/L			06/16/26 18:27	500
Carbon disulfide	ND		2500	150	ug/L			06/16/26 18:27	500
Bromoform	ND		2000	500	ug/L			06/16/26 18:27	500
Bromodichloromethane	ND		500	100	ug/L			06/16/26 18:27	500
1,1-Dichloroethane	ND		500	150	ug/L			06/16/26 18:27	500
1,1-Dichloroethene	ND		500	150	ug/L			06/16/26 18:27	500
Trichlorofluoromethane	ND		500	150	ug/L			06/16/26 18:27	500
Dichlorodifluoromethane	ND		500	150	ug/L			06/16/26 18:27	500
Freon 113	ND	^c cn	5000	150	ug/L			06/16/26 18:27	500
1,2-Dichloropropane	ND		500	150	ug/L			06/16/26 18:27	500
2-Butanone	ND	^c cn	5000	500	ug/L			06/16/26 18:27	500
1,1,2-Trichloroethane	ND		500	150	ug/L			06/16/26 18:27	500
Methyl acetate	ND	^c cn	2500	300	ug/L			06/16/26 18:27	500
1,1,2,2-Tetrachloroethane	ND		500	150	ug/L			06/16/26 18:27	500
1,2-Dichlorobenzene	ND		2500	100	ug/L			06/16/26 18:27	500
1,2-Dibromo-3-Chloropropane	ND		2500	150	ug/L			06/16/26 18:27	500
Isopropylbenzene	ND		2500	150	ug/L			06/16/26 18:27	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		80 - 120		06/16/26 18:27	500

Eurolins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Client Sample ID: MW-26C

Lab Sample ID: 410-286539-5

Date Collected: 06/03/26 09:15

Matrix: Water

Date Received: 06/03/26 18:20

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	115		80 - 120		06/16/26 18:27	500
4-Bromofluorobenzene (Surr)	91		80 - 120		06/16/26 18:27	500
Toluene-d8 (Surr)	92		80 - 120		06/16/26 18:27	500

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	520000		5000	1500	ug/L			06/16/26 18:47	5000
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120					06/16/26 18:47	5000
Dibromofluoromethane (Surr)	117		80 - 120					06/16/26 18:47	5000
4-Bromofluorobenzene (Surr)	91		80 - 120					06/16/26 18:47	5000
Toluene-d8 (Surr)	90		80 - 120					06/16/26 18:47	5000

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/04/26 11:11	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	2.4	FH	2.0	1.0	mg/L			06/16/26 02:13	10

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	40	cn	3.8	1.0	ng/L		06/15/26 08:18	06/15/26 22:41	1
Perfluoropentanoic acid (PFPeA)	120	cn	1.9	0.57	ng/L		06/15/26 08:18	06/15/26 22:41	1
Perfluorohexanoic acid (PFHxA)	70	cn	1.9	0.48	ng/L		06/15/26 08:18	06/15/26 22:41	1
Perfluoroheptanoic acid (PFHpA)	40	cn	1.9	0.76	ng/L		06/15/26 08:18	06/15/26 22:41	1
Perfluorooctanoic acid (PFOA)	26	cn	1.9	0.86	ng/L		06/15/26 08:18	06/15/26 22:41	1
Perfluorononanoic acid (PFNA)	11	cn	1.9	0.48	ng/L		06/15/26 08:18	06/15/26 22:41	1
Perfluorodecanoic acid (PFDA)	ND	cn	1.9	0.48	ng/L		06/15/26 08:18	06/15/26 22:41	1
Perfluoroundecanoic acid (PFUnA)	2.2	cn	1.9	0.48	ng/L		06/15/26 08:18	06/15/26 22:41	1
Perfluorododecanoic acid (PFDoA)	ND	cn	1.9	0.48	ng/L		06/15/26 08:18	06/15/26 22:41	1
Perfluorotridecanoic acid (PFTrDA)	ND	cn	1.9	0.48	ng/L		06/15/26 08:18	06/15/26 22:41	1
Perfluorotetradecanoic acid (PFTeDA)	ND	cn	1.9	0.48	ng/L		06/15/26 08:18	06/15/26 22:41	1
Perfluorobutanesulfonic acid (PFBS)	ND	cn	1.9	0.48	ng/L		06/15/26 08:18	06/15/26 22:41	1
Perfluoropentanesulfonic acid (PFPeS)	ND	cn	1.9	0.48	ng/L		06/15/26 08:18	06/15/26 22:41	1
Perfluorohexanesulfonic acid (PFHxS)	ND	cn	1.9	0.76	ng/L		06/15/26 08:18	06/15/26 22:41	1
Perfluoroheptanesulfonic acid (PFHpS)	ND	cn	1.9	0.48	ng/L		06/15/26 08:18	06/15/26 22:41	1
Perfluorooctanesulfonic acid (PFOS)	ND	cn	1.9	1.2	ng/L		06/15/26 08:18	06/15/26 22:41	1
Perfluorononanesulfonic acid (PFNS)	ND	cn	1.9	0.48	ng/L		06/15/26 08:18	06/15/26 22:41	1
Perfluorodecanesulfonic acid (PFDS)	ND	cn	1.9	0.48	ng/L		06/15/26 08:18	06/15/26 22:41	1
Perfluorododecanesulfonic acid (PFDoS)	ND	cn	1.9	0.57	ng/L		06/15/26 08:18	06/15/26 22:41	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	2.9	J cn	3.8	0.95	ng/L		06/15/26 08:18	06/15/26 22:41	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	120	cn	3.8	0.95	ng/L		06/15/26 08:18	06/15/26 22:41	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Client Sample ID: MW-26C

Lab Sample ID: 410-286539-5

Date Collected: 06/03/26 09:15

Matrix: Water

Date Received: 06/03/26 18:20

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND	cn	3.8	0.95	ng/L		06/15/26 08:18	06/15/26 22:41	1
Perfluorooctanesulfonamide (PFOSA)	ND	cn	1.9	0.48	ng/L		06/15/26 08:18	06/15/26 22:41	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND	cn	1.9	0.48	ng/L		06/15/26 08:18	06/15/26 22:41	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND	cn	1.9	1.0	ng/L		06/15/26 08:18	06/15/26 22:41	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND	cn	1.9	0.48	ng/L		06/15/26 08:18	06/15/26 22:41	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND	cn	1.9	0.48	ng/L		06/15/26 08:18	06/15/26 22:41	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND	cn	9.5	3.8	ng/L		06/15/26 08:18	06/15/26 22:41	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND	cn	9.5	3.8	ng/L		06/15/26 08:18	06/15/26 22:41	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	cn	1.9	1.3	ng/L		06/15/26 08:18	06/15/26 22:41	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND	cn	1.9	0.48	ng/L		06/15/26 08:18	06/15/26 22:41	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	cn	1.9	0.48	ng/L		06/15/26 08:18	06/15/26 22:41	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	cn	1.9	0.48	ng/L		06/15/26 08:18	06/15/26 22:41	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	cn	1.9	0.48	ng/L		06/15/26 08:18	06/15/26 22:41	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND	cn	1.9	0.48	ng/L		06/15/26 08:18	06/15/26 22:41	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND	cn	1.9	0.48	ng/L		06/15/26 08:18	06/15/26 22:41	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND	cn	1.9	0.48	ng/L		06/15/26 08:18	06/15/26 22:41	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND	cn	3.8	0.95	ng/L		06/15/26 08:18	06/15/26 22:41	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.7	J cn	9.5	2.7	ng/L		06/15/26 08:18	06/15/26 22:41	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND	cn	9.5	2.4	ng/L		06/15/26 08:18	06/15/26 22:41	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	99.3	cn	5 - 130	06/15/26 08:18	06/15/26 22:41	1
13C5 PFPeA	97.4	cn	40 - 130	06/15/26 08:18	06/15/26 22:41	1
13C5 PFHxA	95.1	cn	40 - 130	06/15/26 08:18	06/15/26 22:41	1
13C4 PFHpA	96.2	cn	40 - 130	06/15/26 08:18	06/15/26 22:41	1
13C8 PFOA	97.7	cn	40 - 130	06/15/26 08:18	06/15/26 22:41	1
13C9 PFNA	89.7	cn	40 - 130	06/15/26 08:18	06/15/26 22:41	1
13C6 PFDA	84.3	cn	40 - 130	06/15/26 08:18	06/15/26 22:41	1
13C7 PFUnA	85.4	cn	30 - 130	06/15/26 08:18	06/15/26 22:41	1
13C2 PFTeDA	28.4	cn	10 - 130	06/15/26 08:18	06/15/26 22:41	1
13C3 PFBS	97.2	cn	40 - 135	06/15/26 08:18	06/15/26 22:41	1
13C3 PFHxS	93.9	cn	40 - 130	06/15/26 08:18	06/15/26 22:41	1
13C8 PFOS	89.9	cn	40 - 130	06/15/26 08:18	06/15/26 22:41	1
13C8 FOSA	69.2	cn	40 - 130	06/15/26 08:18	06/15/26 22:41	1
d3-NMeFOSAA	81.5	cn	40 - 170	06/15/26 08:18	06/15/26 22:41	1
d5-NEtFOSAA	80.1	cn	25 - 135	06/15/26 08:18	06/15/26 22:41	1
13C2 4:2 FTS	136	cn	40 - 200	06/15/26 08:18	06/15/26 22:41	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Client Sample ID: MW-26C

Lab Sample ID: 410-286539-5

Date Collected: 06/03/26 09:15

Matrix: Water

Date Received: 06/03/26 18:20

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 6:2 FTS	152	cn	40 - 200	06/15/26 08:18	06/15/26 22:41	1
13C2 8:2 FTS	135	cn	40 - 300	06/15/26 08:18	06/15/26 22:41	1
13C3 HFPO-DA	91.3	cn	40 - 130	06/15/26 08:18	06/15/26 22:41	1
d7-N-MeFOSE-M	38.1	cn	10 - 130	06/15/26 08:18	06/15/26 22:41	1
d9-N-EtFOSE-M	27.5	cn	10 - 130	06/15/26 08:18	06/15/26 22:41	1
d5-NEtPFOSA	25.9	cn	10 - 130	06/15/26 08:18	06/15/26 22:41	1
d3-NMePFOSA	33.3	cn	10 - 130	06/15/26 08:18	06/15/26 22:41	1
13C2 PFDoA	69.1	cn	10 - 130	06/15/26 08:18	06/15/26 22:41	1
13C3-3:3 FTCA	133	cn	20 - 150	06/15/26 08:18	06/15/26 22:41	1
13C3-5:3 FTCA	120	cn	20 - 150	06/15/26 08:18	06/15/26 22:41	1
13C3-PFDoS	28.1	cn	20 - 150	06/15/26 08:18	06/15/26 22:41	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND	cn	0.0021	0.00057	mg/L		06/16/26 01:45	06/16/26 12:44	1
Manganese	0.057	cn	0.0021	0.0013	mg/L		06/16/26 01:45	06/16/26 12:44	1
Nickel	0.0046	cn	0.0010	0.00041	mg/L		06/16/26 01:45	06/16/26 12:44	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Client Sample ID: Duplicate 5

Lab Sample ID: 410-286539-6

Date Collected: 06/03/26 09:05

Matrix: Water

Date Received: 06/03/26 18:20

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/16/26 16:03	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/16/26 16:03	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/16/26 16:03	1
Styrene	ND		5.0	0.30	ug/L			06/16/26 16:03	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/16/26 16:03	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/16/26 16:03	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/16/26 16:03	1
4-Methyl-2-pentanone	ND	^c cn	10	0.50	ug/L			06/16/26 16:03	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/16/26 16:03	1
Toluene	0.31	J	1.0	0.30	ug/L			06/16/26 16:03	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/16/26 16:03	1
Cyclohexane	ND		5.0	1.0	ug/L			06/16/26 16:03	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/16/26 16:03	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/16/26 16:03	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/16/26 16:03	1
Tetrachloroethene	85		1.0	0.30	ug/L			06/16/26 16:03	1
cis-1,2-Dichloroethene	100		1.0	0.30	ug/L			06/16/26 16:03	1
trans-1,2-Dichloroethene	4.8		2.0	0.70	ug/L			06/16/26 16:03	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/16/26 16:03	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/16/26 16:03	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			06/16/26 16:03	1
2-Hexanone	ND	^c cn	10	0.85	ug/L			06/16/26 16:03	1
Acetone	19	J	20	0.70	ug/L			06/16/26 16:03	1
Chloroform	ND		1.0	0.30	ug/L			06/16/26 16:03	1
Benzene	ND		1.0	0.30	ug/L			06/16/26 16:03	1
1,1,1-Trichloroethane	ND	^c cn	1.0	0.30	ug/L			06/16/26 16:03	1
Bromomethane	ND		1.0	0.30	ug/L			06/16/26 16:03	1
Chloromethane	ND	^c	2.0	0.55	ug/L			06/16/26 16:03	1
Chloroethane	ND	cn	1.0	0.30	ug/L			06/16/26 16:03	1
Vinyl chloride	2.5		1.0	0.30	ug/L			06/16/26 16:03	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/16/26 16:03	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/16/26 16:03	1
Bromoform	ND		4.0	1.0	ug/L			06/16/26 16:03	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/16/26 16:03	1
1,1-Dichloroethane	3.1		1.0	0.30	ug/L			06/16/26 16:03	1
1,1-Dichloroethene	4.5		1.0	0.30	ug/L			06/16/26 16:03	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/16/26 16:03	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/16/26 16:03	1
Freon 113	ND	^c cn	10	0.30	ug/L			06/16/26 16:03	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/16/26 16:03	1
2-Butanone	ND	^c cn	10	1.0	ug/L			06/16/26 16:03	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/16/26 16:03	1
Methyl acetate	ND	^c cn	5.0	0.60	ug/L			06/16/26 16:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/16/26 16:03	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/16/26 16:03	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/16/26 16:03	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/16/26 16:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		06/16/26 16:03	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Client Sample ID: Duplicate 5

Lab Sample ID: 410-286539-6

Date Collected: 06/03/26 09:05

Matrix: Water

Date Received: 06/03/26 18:20

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	111		80 - 120		06/16/26 16:03	1
4-Bromofluorobenzene (Surr)	87		80 - 120		06/16/26 16:03	1
Toluene-d8 (Surr)	94		80 - 120		06/16/26 16:03	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	5900	cn	100	30	ug/L			06/17/26 16:51	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100	cn	80 - 120		06/17/26 16:51	100
Dibromofluoromethane (Surr)	100	cn	80 - 120		06/17/26 16:51	100
4-Bromofluorobenzene (Surr)	102	cn	80 - 120		06/17/26 16:51	100
Toluene-d8 (Surr)	102	cn	80 - 120		06/17/26 16:51	100

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/04/26 11:03	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.61		0.20	0.10	mg/L			06/16/26 00:12	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	16		3.7	1.0	ng/L		06/15/26 08:18	06/15/26 22:54	1
Perfluoropentanoic acid (PFPeA)	8.4		1.8	0.55	ng/L		06/15/26 08:18	06/15/26 22:54	1
Perfluorohexanoic acid (PFHxA)	6.3		1.8	0.46	ng/L		06/15/26 08:18	06/15/26 22:54	1
Perfluoroheptanoic acid (PFHpA)	3.6		1.8	0.74	ng/L		06/15/26 08:18	06/15/26 22:54	1
Perfluorooctanoic acid (PFOA)	4.1		1.8	0.83	ng/L		06/15/26 08:18	06/15/26 22:54	1
Perfluorononanoic acid (PFNA)	1.4	J	1.8	0.46	ng/L		06/15/26 08:18	06/15/26 22:54	1
Perfluorodecanoic acid (PFDA)	0.57	J	1.8	0.46	ng/L		06/15/26 08:18	06/15/26 22:54	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.46	ng/L		06/15/26 08:18	06/15/26 22:54	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.46	ng/L		06/15/26 08:18	06/15/26 22:54	1
Perfluorotridecanoic acid (PFTTrDA)	ND		1.8	0.46	ng/L		06/15/26 08:18	06/15/26 22:54	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.8	0.46	ng/L		06/15/26 08:18	06/15/26 22:54	1
Perfluorobutanesulfonic acid (PFBS)	0.98	J	1.8	0.46	ng/L		06/15/26 08:18	06/15/26 22:54	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.8	0.46	ng/L		06/15/26 08:18	06/15/26 22:54	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.74	ng/L		06/15/26 08:18	06/15/26 22:54	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.8	0.46	ng/L		06/15/26 08:18	06/15/26 22:54	1
Perfluorooctanesulfonic acid (PFOS)	1.9		1.8	1.2	ng/L		06/15/26 08:18	06/15/26 22:54	1
Perfluorononanesulfonic acid (PFNS)	ND		1.8	0.46	ng/L		06/15/26 08:18	06/15/26 22:54	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.46	ng/L		06/15/26 08:18	06/15/26 22:54	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.55	ng/L		06/15/26 08:18	06/15/26 22:54	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.7	0.92	ng/L		06/15/26 08:18	06/15/26 22:54	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	3.0	J	3.7	0.92	ng/L		06/15/26 08:18	06/15/26 22:54	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Client Sample ID: Duplicate 5

Lab Sample ID: 410-286539-6

Date Collected: 06/03/26 09:05

Matrix: Water

Date Received: 06/03/26 18:20

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.7	0.92	ng/L		06/15/26 08:18	06/15/26 22:54	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.46	ng/L		06/15/26 08:18	06/15/26 22:54	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.8	0.46	ng/L		06/15/26 08:18	06/15/26 22:54	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.8	1.0	ng/L		06/15/26 08:18	06/15/26 22:54	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.8	0.46	ng/L		06/15/26 08:18	06/15/26 22:54	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.8	0.46	ng/L		06/15/26 08:18	06/15/26 22:54	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		9.2	3.7	ng/L		06/15/26 08:18	06/15/26 22:54	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		9.2	3.7	ng/L		06/15/26 08:18	06/15/26 22:54	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.8	1.3	ng/L		06/15/26 08:18	06/15/26 22:54	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.8	0.46	ng/L		06/15/26 08:18	06/15/26 22:54	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.8	0.46	ng/L		06/15/26 08:18	06/15/26 22:54	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.8	0.46	ng/L		06/15/26 08:18	06/15/26 22:54	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.8	0.46	ng/L		06/15/26 08:18	06/15/26 22:54	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.8	0.46	ng/L		06/15/26 08:18	06/15/26 22:54	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.8	0.46	ng/L		06/15/26 08:18	06/15/26 22:54	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.8	0.46	ng/L		06/15/26 08:18	06/15/26 22:54	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.7	0.92	ng/L		06/15/26 08:18	06/15/26 22:54	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		9.2	2.6	ng/L		06/15/26 08:18	06/15/26 22:54	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		9.2	2.3	ng/L		06/15/26 08:18	06/15/26 22:54	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	104		5 - 130	06/15/26 08:18	06/15/26 22:54	1
13C5 PFPeA	103		40 - 130	06/15/26 08:18	06/15/26 22:54	1
13C5 PFHxA	100		40 - 130	06/15/26 08:18	06/15/26 22:54	1
13C4 PFHpA	100		40 - 130	06/15/26 08:18	06/15/26 22:54	1
13C8 PFOA	96.9		40 - 130	06/15/26 08:18	06/15/26 22:54	1
13C9 PFNA	97.9		40 - 130	06/15/26 08:18	06/15/26 22:54	1
13C6 PFDA	90.7		40 - 130	06/15/26 08:18	06/15/26 22:54	1
13C7 PFUnA	94.4		30 - 130	06/15/26 08:18	06/15/26 22:54	1
13C2 PFTeDA	81.0		10 - 130	06/15/26 08:18	06/15/26 22:54	1
13C3 PFBS	104		40 - 135	06/15/26 08:18	06/15/26 22:54	1
13C3 PFHxS	95.4		40 - 130	06/15/26 08:18	06/15/26 22:54	1
13C8 PFOS	95.3		40 - 130	06/15/26 08:18	06/15/26 22:54	1
13C8 FOSA	86.2		40 - 130	06/15/26 08:18	06/15/26 22:54	1
d3-NMeFOSAA	74.6		40 - 170	06/15/26 08:18	06/15/26 22:54	1
d5-NEtFOSAA	68.7		25 - 135	06/15/26 08:18	06/15/26 22:54	1
13C2 4:2 FTS	131		40 - 200	06/15/26 08:18	06/15/26 22:54	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Client Sample ID: Duplicate 5

Lab Sample ID: 410-286539-6

Date Collected: 06/03/26 09:05

Matrix: Water

Date Received: 06/03/26 18:20

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 6:2 FTS	91.6		40 - 200	06/15/26 08:18	06/15/26 22:54	1
13C2 8:2 FTS	112		40 - 300	06/15/26 08:18	06/15/26 22:54	1
13C3 HFPO-DA	98.3		40 - 130	06/15/26 08:18	06/15/26 22:54	1
d7-N-MeFOSE-M	76.5		10 - 130	06/15/26 08:18	06/15/26 22:54	1
d9-N-EtFOSE-M	67.3		10 - 130	06/15/26 08:18	06/15/26 22:54	1
d5-NEtPFOSA	73.1		10 - 130	06/15/26 08:18	06/15/26 22:54	1
d3-NMePFOSA	74.9		10 - 130	06/15/26 08:18	06/15/26 22:54	1
13C2 PFDoA	94.7		10 - 130	06/15/26 08:18	06/15/26 22:54	1
13C3-3:3 FTCA	141		20 - 150	06/15/26 08:18	06/15/26 22:54	1
13C3-5:3 FTCA	112		20 - 150	06/15/26 08:18	06/15/26 22:54	1
13C3-PFDoS	73.6		20 - 150	06/15/26 08:18	06/15/26 22:54	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND	cn	0.0021	0.00057	mg/L		06/11/26 01:15	06/11/26 19:59	1
Manganese	0.012	cn	0.0021	0.0013	mg/L		06/11/26 01:15	06/11/26 19:59	1
Nickel	0.0059	cn	0.0010	0.00041	mg/L		06/11/26 01:15	06/11/26 19:59	1

Surrogate Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCA	DBFM	BFB	TOL
		(80-120)	(80-120)	(80-120)	(80-120)
410-286539-1	MW-24	105	115	91	90
410-286539-2	MW-61	104	117	90	93
410-286539-3	MW-26A	107	115	91	91
410-286539-4	MW-26B	103	111	90	96
410-286539-4 - DL	MW-26B	103 cn	102 cn	101 cn	101 cn
410-286539-5	MW-26C	106	115	91	92
410-286539-5 - DL	MW-26C	103	117	91	90
410-286539-6	Duplicate 5	102	111	87	94
410-286539-6 - DL	Duplicate 5	100 cn	100 cn	102 cn	102 cn
LCS 410-835835/5	Lab Control Sample	102	106	96	93
LCS 410-836607/4	Lab Control Sample	100	100	101	99
LCSD 410-836607/5	Lab Control Sample Dup	104	101	100	98
MB 410-835835/7	Method Blank	103	113	93	90
MB 410-836607/7	Method Blank	101	102	103	101
Surrogate Legend					
DCA = 1,2-Dichloroethane-d4 (Surr)					
DBFM = Dibromofluoromethane (Surr)					
BFB = 4-Bromofluorobenzene (Surr)					
TOL = Toluene-d8 (Surr)					

Isotope Dilution Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (5-130)	PFPeA (40-130)	13C5PHA (40-130)	C4PFHA (40-130)	C8PFOA (40-130)	C9PFNA (40-130)	C6PFDA (40-130)	13C7PUA (30-130)
410-286539-1	MW-24	100	101	96.4	94.8	94.3	92.2	89.8	82.8
410-286539-2	MW-61	103	98.1	97.7	97.2	95.8	92.5	87.1	81.7
410-286539-3	MW-26A	104	91.9	96.3	94.8	98.6	97.0	88.7	87.7
410-286539-4	MW-26B	94.2	92.3	88.7	83.2	86.8	80.6	75.4	74.2
410-286539-5	MW-26C	99.3 cn	97.4 cn	95.1 cn	96.2 cn	97.7 cn	89.7 cn	84.3 cn	85.4 cn
410-286539-6	Duplicate 5	104	103	100	100	96.9	97.9	90.7	94.4
LCS 410-835234/20-A	Lab Control Sample	93.8	90.1	87.3	83.0	86.3	85.1	82.3	83.0
LLCS 410-835234/21-A	Lab Control Sample	104	94.7	94.1	94.3	93.8	93.3	85.3	83.5
MB 410-835234/19-A	Method Blank	97.6	97.5	92.1	84.7	81.8	81.0	76.9	81.7
		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFTDA (10-130)	C3PFBS (40-135)	C3PFHS (40-130)	C8PFOS (40-130)	PFOSA (40-130)	d3NMFOS (40-170)	d5NEFOS (25-135)	M242FTS (40-200)
410-286539-1	MW-24	73.4	99.7	95.2	90.1	80.6	64.5	58.6	82.3
410-286539-2	MW-61	67.2	106	92.9	90.3	79.2	69.5	63.4	102
410-286539-3	MW-26A	70.9	105	94.5	86.9	83.6	84.2	74.7	177
410-286539-4	MW-26B	70.6	88.2	82.7	73.2	70.7	54.2	52.2	93.4
410-286539-5	MW-26C	28.4 cn	97.2 cn	93.9 cn	89.9 cn	69.2 cn	81.5 cn	80.1 cn	136 cn
410-286539-6	Duplicate 5	81.0	104	95.4	95.3	86.2	74.6	68.7	131
LCS 410-835234/20-A	Lab Control Sample	73.6	90.1	86.7	86.2	75.6	64.6	61.9	73.2
LLCS 410-835234/21-A	Lab Control Sample	77.3	94.5	90.5	89.6	88.6	76.1	69.9	79.1
MB 410-835234/19-A	Method Blank	70.0	86.2	78.5	78.2	75.9	62.1	61.4	71.5
		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M262FTS (40-200)	M282FTS (40-300)	HFPODA (40-130)	NMFM (10-130)	NEFM (10-130)	d5NPFSA (10-130)	d3NMFSA (10-130)	PFDaA (10-130)
410-286539-1	MW-24	80.6	106	92.2	58.4	50.8	63.5	66.2	82.0
410-286539-2	MW-61	83.4	119	90.8	61.4	56.8	67.5	68.8	80.2
410-286539-3	MW-26A	124	127	86.0	64.4	58.6	70.7	71.4	89.0
410-286539-4	MW-26B	76.9	81.1	84.7	56.2	51.8	62.3	63.2	80.5
410-286539-5	MW-26C	152 cn	135 cn	91.3 cn	38.1 cn	27.5 cn	25.9 cn	33.3 cn	69.1 cn
410-286539-6	Duplicate 5	91.6	112	98.3	76.5	67.3	73.1	74.9	94.7
LCS 410-835234/20-A	Lab Control Sample	68.0	106	81.9	60.1	58.0	65.7	65.2	83.7
LLCS 410-835234/21-A	Lab Control Sample	75.4	107	90.2	82.6	76.8	75.6	75.6	86.3
MB 410-835234/19-A	Method Blank	71.4	101	86.9	57.2	52.9	63.1	62.0	80.7
		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	3-3:3 FTC/ (20-150)	3-5:3 FTC/ (20-150)	3C3-PFDoA/ (20-150)					
410-286539-1	MW-24	126	107	62.1					
410-286539-2	MW-61	133	111	64.0					
410-286539-3	MW-26A	139	119	66.1					
410-286539-4	MW-26B	123	97.4	62.1					
410-286539-5	MW-26C	133 cn	120 cn	28.1 cn					
410-286539-6	Duplicate 5	141	112	73.6					
LCS 410-835234/20-A	Lab Control Sample	116	83.6	63.4					
LLCS 410-835234/21-A	Lab Control Sample	117	94.8	70.3					
MB 410-835234/19-A	Method Blank	124	89.4	59.6					

Surrogate Legend

PFBA = 13C4 PFBA

PFPeA = 13C5 PFPeA

Eurofins Lancaster Laboratories Environment Testing, LLC

Isotope Dilution Summary

Client: Groundwater & Environmental Services Inc

Job ID: 410-286539-1

Project/Site: GTAC-Bishop Tube HSCA Site

13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M242FTS = 13C2 4:2 FTS
M262FTS = 13C2 6:2 FTS
M282FTS = 13C2 8:2 FTS
HFPODA = 13C3 HFPO-DA
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
d5NPFSA = d5-NEtPFOSA
d3NMFSA = d3-NMePFOSA
PFDoA = 13C2 PFDoA
C3-3:3 FTCA = 13C3-3:3 FTCA
C3-5:3 FTCA = 13C3-5:3 FTCA
13C3-PFDoS = 13C3-PFDoS

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 410-835835/7

Matrix: Water

Analysis Batch: 835835

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/16/26 09:42	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/16/26 09:42	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/16/26 09:42	1
Styrene	ND		5.0	0.30	ug/L			06/16/26 09:42	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/16/26 09:42	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/16/26 09:42	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/16/26 09:42	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/16/26 09:42	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/16/26 09:42	1
Toluene	ND		1.0	0.30	ug/L			06/16/26 09:42	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/16/26 09:42	1
Cyclohexane	ND		5.0	1.0	ug/L			06/16/26 09:42	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/16/26 09:42	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/16/26 09:42	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/16/26 09:42	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/16/26 09:42	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/16/26 09:42	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/16/26 09:42	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/16/26 09:42	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/16/26 09:42	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/16/26 09:42	1
2-Hexanone	ND		10	0.85	ug/L			06/16/26 09:42	1
Acetone	ND		20	0.70	ug/L			06/16/26 09:42	1
Chloroform	ND		1.0	0.30	ug/L			06/16/26 09:42	1
Benzene	ND		1.0	0.30	ug/L			06/16/26 09:42	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/16/26 09:42	1
Bromomethane	ND		1.0	0.30	ug/L			06/16/26 09:42	1
Chloromethane	ND		2.0	0.55	ug/L			06/16/26 09:42	1
Chloroethane	ND		1.0	0.30	ug/L			06/16/26 09:42	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/16/26 09:42	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/16/26 09:42	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/16/26 09:42	1
Bromoform	ND		4.0	1.0	ug/L			06/16/26 09:42	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/16/26 09:42	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/16/26 09:42	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/16/26 09:42	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/16/26 09:42	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/16/26 09:42	1
Freon 113	ND		10	0.30	ug/L			06/16/26 09:42	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/16/26 09:42	1
2-Butanone	ND		10	1.0	ug/L			06/16/26 09:42	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/16/26 09:42	1
Trichloroethene	ND		1.0	0.30	ug/L			06/16/26 09:42	1
Methyl acetate	ND		5.0	0.60	ug/L			06/16/26 09:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/16/26 09:42	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/16/26 09:42	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/16/26 09:42	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/16/26 09:42	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-835835/7

Matrix: Water

Analysis Batch: 835835

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		06/16/26 09:42	1
Dibromofluoromethane (Surr)	113		80 - 120		06/16/26 09:42	1
4-Bromofluorobenzene (Surr)	93		80 - 120		06/16/26 09:42	1
Toluene-d8 (Surr)	90		80 - 120		06/16/26 09:42	1

Lab Sample ID: LCS 410-835835/5

Matrix: Water

Analysis Batch: 835835

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	20.0	17.0		ug/L		85	75 - 120
trans-1,3-Dichloropropene	20.0	17.1		ug/L		85	67 - 120
Ethylbenzene	20.0	18.0		ug/L		90	80 - 120
Styrene	20.0	18.6		ug/L		93	80 - 120
1,4-Dichlorobenzene	20.0	19.7		ug/L		98	80 - 120
1,2-Dibromoethane	20.0	20.4		ug/L		102	77 - 120
1,2-Dichloroethane	20.0	20.7		ug/L		103	73 - 124
4-Methyl-2-pentanone	250	196		ug/L		78	62 - 133
Methylcyclohexane	20.0	16.4		ug/L		82	60 - 121
Toluene	20.0	17.7		ug/L		89	80 - 120
Chlorobenzene	20.0	19.7		ug/L		99	80 - 120
Cyclohexane	20.0	15.0		ug/L		75	60 - 126
1,2,4-Trichlorobenzene	20.0	18.1		ug/L		90	63 - 127
Dibromochloromethane	20.0	20.8		ug/L		104	71 - 120
Xylenes, Total	60.0	55.6		ug/L		93	80 - 120
Tetrachloroethene	20.0	22.7		ug/L		113	80 - 120
cis-1,2-Dichloroethene	20.0	20.3		ug/L		101	80 - 125
trans-1,2-Dichloroethene	20.0	20.2		ug/L		101	80 - 126
Methyl tertiary butyl ether	20.0	17.1		ug/L		85	69 - 122
1,3-Dichlorobenzene	20.0	19.2		ug/L		96	80 - 120
Carbon tetrachloride	20.0	24.0		ug/L		120	64 - 134
2-Hexanone	250	187		ug/L		75	56 - 143
Acetone	250	228		ug/L		91	57 - 150
Chloroform	20.0	17.3		ug/L		87	72 - 120
Benzene	20.0	18.4		ug/L		92	80 - 120
1,1,1-Trichloroethane	20.0	23.5		ug/L		117	73 - 120
Bromomethane	20.0	18.5		ug/L		92	61 - 128
Chloromethane	20.0	13.9		ug/L		69	48 - 134
Chloroethane	20.0	15.8		ug/L		79	67 - 123
Vinyl chloride	20.0	14.9		ug/L		75	56 - 120
Methylene Chloride	20.0	18.6		ug/L		93	80 - 120
Carbon disulfide	20.0	17.6		ug/L		88	55 - 139
Bromoform	20.0	21.7		ug/L		108	63 - 128
Bromodichloromethane	20.0	20.0		ug/L		100	71 - 120
1,1-Dichloroethane	20.0	18.6		ug/L		93	80 - 126
1,1-Dichloroethene	20.0	19.9		ug/L		100	80 - 131
Trichlorofluoromethane	20.0	16.6		ug/L		83	57 - 120
Dichlorodifluoromethane	20.0	17.1		ug/L		85	40 - 127

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-835835/5

Matrix: Water

Analysis Batch: 835835

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Freon 113	20.0	21.1		ug/L		106	57 - 122
1,2-Dichloropropane	20.0	16.8		ug/L		84	80 - 120
2-Butanone	250	181		ug/L		72	59 - 135
1,1,2-Trichloroethane	20.0	18.2		ug/L		91	80 - 120
Trichloroethene	20.0	19.8		ug/L		99	80 - 120
Methyl acetate	20.0	16.4		ug/L		82	55 - 157
1,1,2,2-Tetrachloroethane	20.0	16.0		ug/L		80	72 - 127
1,2-Dichlorobenzene	20.0	19.4		ug/L		97	80 - 120
1,2-Dibromo-3-Chloropropane	20.0	14.9		ug/L		74	60 - 120
Isopropylbenzene	20.0	18.3		ug/L		91	80 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	106		80 - 120
4-Bromofluorobenzene (Surr)	96		80 - 120
Toluene-d8 (Surr)	93		80 - 120

Lab Sample ID: MB 410-836607/7

Matrix: Water

Analysis Batch: 836607

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/17/26 09:46	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/17/26 09:46	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/17/26 09:46	1
Styrene	ND		5.0	0.30	ug/L			06/17/26 09:46	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/17/26 09:46	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/17/26 09:46	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/17/26 09:46	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/17/26 09:46	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/17/26 09:46	1
Toluene	ND		1.0	0.30	ug/L			06/17/26 09:46	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/17/26 09:46	1
Cyclohexane	ND		5.0	1.0	ug/L			06/17/26 09:46	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/17/26 09:46	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/17/26 09:46	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/17/26 09:46	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/17/26 09:46	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/17/26 09:46	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/17/26 09:46	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/17/26 09:46	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/17/26 09:46	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/17/26 09:46	1
2-Hexanone	ND		10	0.85	ug/L			06/17/26 09:46	1
Acetone	ND		20	0.70	ug/L			06/17/26 09:46	1
Chloroform	ND		1.0	0.30	ug/L			06/17/26 09:46	1
Benzene	ND		1.0	0.30	ug/L			06/17/26 09:46	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/17/26 09:46	1

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-836607/7

Matrix: Water

Analysis Batch: 836607

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		1.0	0.30	ug/L			06/17/26 09:46	1
Chloromethane	ND		2.0	0.55	ug/L			06/17/26 09:46	1
Chloroethane	ND		1.0	0.30	ug/L			06/17/26 09:46	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/17/26 09:46	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/17/26 09:46	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/17/26 09:46	1
Bromoform	ND		4.0	1.0	ug/L			06/17/26 09:46	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/17/26 09:46	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/17/26 09:46	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/17/26 09:46	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/17/26 09:46	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/17/26 09:46	1
Freon 113	ND		10	0.30	ug/L			06/17/26 09:46	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/17/26 09:46	1
2-Butanone	ND		10	1.0	ug/L			06/17/26 09:46	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/17/26 09:46	1
Trichloroethene	ND		1.0	0.30	ug/L			06/17/26 09:46	1
Methyl acetate	ND		5.0	0.60	ug/L			06/17/26 09:46	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/17/26 09:46	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/17/26 09:46	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/17/26 09:46	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/17/26 09:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		06/17/26 09:46	1
Dibromofluoromethane (Surr)	102		80 - 120		06/17/26 09:46	1
4-Bromofluorobenzene (Surr)	103		80 - 120		06/17/26 09:46	1
Toluene-d8 (Surr)	101		80 - 120		06/17/26 09:46	1

Lab Sample ID: LCS 410-836607/4

Matrix: Water

Analysis Batch: 836607

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	20.0	20.4		ug/L		102	75 - 120
trans-1,3-Dichloropropene	20.0	20.3		ug/L		101	67 - 120
Ethylbenzene	20.0	21.8		ug/L		109	80 - 120
Styrene	20.0	21.5		ug/L		108	80 - 120
1,4-Dichlorobenzene	20.0	20.8		ug/L		104	80 - 120
1,2-Dibromoethane	20.0	21.1		ug/L		105	77 - 120
1,2-Dichloroethane	20.0	21.0		ug/L		105	73 - 124
4-Methyl-2-pentanone	250	274		ug/L		110	62 - 133
Methylcyclohexane	20.0	20.9		ug/L		104	60 - 121
Toluene	20.0	21.1		ug/L		106	80 - 120
Chlorobenzene	20.0	21.3		ug/L		107	80 - 120
Cyclohexane	20.0	22.1		ug/L		110	60 - 126
1,2,4-Trichlorobenzene	20.0	21.1		ug/L		105	63 - 127
Dibromochloromethane	20.0	20.3		ug/L		102	71 - 120

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-836607/4

Matrix: Water

Analysis Batch: 836607

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Xylenes, Total	60.0	64.8		ug/L		108	80 - 120
Tetrachloroethene	20.0	21.6		ug/L		108	80 - 120
cis-1,2-Dichloroethene	20.0	22.0		ug/L		110	80 - 125
trans-1,2-Dichloroethene	20.0	22.0		ug/L		110	80 - 126
Methyl tertiary butyl ether	20.0	20.5		ug/L		103	69 - 122
1,3-Dichlorobenzene	20.0	21.5		ug/L		107	80 - 120
Carbon tetrachloride	20.0	22.6		ug/L		113	64 - 134
2-Hexanone	250	270		ug/L		108	56 - 143
Acetone	250	257		ug/L		103	57 - 150
Chloroform	20.0	21.5		ug/L		107	72 - 120
Benzene	20.0	21.3		ug/L		107	80 - 120
1,1,1-Trichloroethane	20.0	22.4		ug/L		112	73 - 120
Bromomethane	20.0	21.6		ug/L		108	61 - 128
Chloromethane	20.0	22.2		ug/L		111	48 - 134
Chloroethane	20.0	21.4		ug/L		107	67 - 123
Vinyl chloride	20.0	22.3		ug/L		112	56 - 120
Methylene Chloride	20.0	22.2		ug/L		111	80 - 120
Carbon disulfide	20.0	21.2		ug/L		106	55 - 139
Bromoform	20.0	20.9		ug/L		105	63 - 128
Bromodichloromethane	20.0	21.1		ug/L		106	71 - 120
1,1-Dichloroethane	20.0	22.1		ug/L		111	80 - 126
1,1-Dichloroethene	20.0	22.6		ug/L		113	80 - 131
Trichlorofluoromethane	20.0	18.9		ug/L		94	57 - 120
Dichlorodifluoromethane	20.0	21.1		ug/L		106	40 - 127
Freon 113	20.0	21.5		ug/L		108	57 - 122
1,2-Dichloropropane	20.0	21.4		ug/L		107	80 - 120
2-Butanone	250	257		ug/L		103	59 - 135
1,1,2-Trichloroethane	20.0	20.8		ug/L		104	80 - 120
Trichloroethene	20.0	21.2		ug/L		106	80 - 120
Methyl acetate	20.0	29.0		ug/L		145	55 - 157
1,1,2,2-Tetrachloroethane	20.0	19.9		ug/L		99	72 - 127
1,2-Dichlorobenzene	20.0	21.4		ug/L		107	80 - 120
1,2-Dibromo-3-Chloropropane	20.0	18.6		ug/L		93	60 - 120
Isopropylbenzene	20.0	22.5		ug/L		112	80 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	101		80 - 120
Toluene-d8 (Surr)	99		80 - 120

Lab Sample ID: LCSD 410-836607/5

Matrix: Water

Analysis Batch: 836607

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	20.0	20.7		ug/L		103	75 - 120	1	30
trans-1,3-Dichloropropene	20.0	20.5		ug/L		103	67 - 120	1	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-836607/5

Matrix: Water

Analysis Batch: 836607

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylbenzene	20.0	21.4		ug/L		107	80 - 120	2	30
Styrene	20.0	21.5		ug/L		107	80 - 120	0	30
1,4-Dichlorobenzene	20.0	20.7		ug/L		104	80 - 120	1	30
1,2-Dibromoethane	20.0	21.0		ug/L		105	77 - 120	0	30
1,2-Dichloroethane	20.0	20.8		ug/L		104	73 - 124	1	30
4-Methyl-2-pentanone	250	280		ug/L		112	62 - 133	2	30
Methylcyclohexane	20.0	20.4		ug/L		102	60 - 121	2	30
Toluene	20.0	20.8		ug/L		104	80 - 120	2	30
Chlorobenzene	20.0	20.9		ug/L		105	80 - 120	2	30
Cyclohexane	20.0	21.4		ug/L		107	60 - 126	3	30
1,2,4-Trichlorobenzene	20.0	20.4		ug/L		102	63 - 127	3	30
Dibromochloromethane	20.0	20.0		ug/L		100	71 - 120	2	30
Xylenes, Total	60.0	63.1		ug/L		105	80 - 120	3	30
Tetrachloroethene	20.0	20.5		ug/L		102	80 - 120	5	30
cis-1,2-Dichloroethene	20.0	21.0		ug/L		105	80 - 125	5	30
trans-1,2-Dichloroethene	20.0	21.1		ug/L		105	80 - 126	4	30
Methyl tertiary butyl ether	20.0	20.8		ug/L		104	69 - 122	1	30
1,3-Dichlorobenzene	20.0	20.7		ug/L		104	80 - 120	3	30
Carbon tetrachloride	20.0	22.1		ug/L		111	64 - 134	2	30
2-Hexanone	250	272		ug/L		109	56 - 143	1	30
Acetone	250	247		ug/L		99	57 - 150	4	30
Chloroform	20.0	21.0		ug/L		105	72 - 120	2	30
Benzene	20.0	21.1		ug/L		105	80 - 120	1	30
1,1,1-Trichloroethane	20.0	22.2		ug/L		111	73 - 120	1	30
Bromomethane	20.0	21.4		ug/L		107	61 - 128	1	30
Chloromethane	20.0	21.7		ug/L		109	48 - 134	2	30
Chloroethane	20.0	21.2		ug/L		106	67 - 123	1	30
Vinyl chloride	20.0	21.8		ug/L		109	56 - 120	3	30
Methylene Chloride	20.0	22.2		ug/L		111	80 - 120	0	30
Carbon disulfide	20.0	20.9		ug/L		105	55 - 139	1	30
Bromoform	20.0	20.8		ug/L		104	63 - 128	0	30
Bromodichloromethane	20.0	21.2		ug/L		106	71 - 120	1	30
1,1-Dichloroethane	20.0	21.4		ug/L		107	80 - 126	3	30
1,1-Dichloroethene	20.0	22.0		ug/L		110	80 - 131	3	30
Trichlorofluoromethane	20.0	18.4		ug/L		92	57 - 120	3	30
Dichlorodifluoromethane	20.0	20.7		ug/L		103	40 - 127	2	30
Freon 113	20.0	21.1		ug/L		105	57 - 122	2	30
1,2-Dichloropropane	20.0	21.2		ug/L		106	80 - 120	1	30
2-Butanone	250	262		ug/L		105	59 - 135	2	30
1,1,2-Trichloroethane	20.0	21.4		ug/L		107	80 - 120	3	30
Trichloroethene	20.0	20.9		ug/L		104	80 - 120	2	30
Methyl acetate	20.0	29.9		ug/L		149	55 - 157	3	30
1,1,2,2-Tetrachloroethane	20.0	20.2		ug/L		101	72 - 127	2	30
1,2-Dichlorobenzene	20.0	20.7		ug/L		103	80 - 120	3	30
1,2-Dibromo-3-Chloropropane	20.0	17.4		ug/L		87	60 - 120	7	30
Isopropylbenzene	20.0	21.7		ug/L		109	80 - 132	3	30

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-836607/5

Matrix: Water

Analysis Batch: 836607

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	101		80 - 120
4-Bromofluorobenzene (Surr)	100		80 - 120
Toluene-d8 (Surr)	98		80 - 120

Method: 218.6 - Chromium, Hexavalent (Ion Chromatography)

Lab Sample ID: MB 410-828605/75

Matrix: Water

Analysis Batch: 828605

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB								
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/04/26 08:57	1	

Lab Sample ID: LCS 410-828605/74

Matrix: Water

Analysis Batch: 828605

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte		Spike	LCS	LCS				%Rec		
	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Cr (VI)	0.100	0.0989		mg/L		99	90 - 110			

Lab Sample ID: 410-286539-5 MS

Matrix: Water

Analysis Batch: 828605

Client Sample ID: MW-26C

Prep Type: Dissolved

Analyte	Sample	Sample	Spike	MS	MS			%Rec		
	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Cr (VI)	ND		0.100	0.104		mg/L		104	75 - 125	

Lab Sample ID: 410-286539-5 MSD

Matrix: Water

Analysis Batch: 828605

Client Sample ID: MW-26C

Prep Type: Dissolved

Analyte	Sample	Sample	Spike	MSD	MSD			%Rec		RPD	
	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Cr (VI)	ND		0.100	0.104		mg/L		104	75 - 125	1	20

Lab Sample ID: 410-286539-5 DU

Matrix: Water

Analysis Batch: 828605

Client Sample ID: MW-26C

Prep Type: Dissolved

Analyte	Sample	Sample		DU	DU					RPD	
	Result	Qualifier		Result	Qualifier	Unit	D			RPD	Limit
Cr (VI)	ND			ND		mg/L				NC	20

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 410-835567/5

Matrix: Water

Analysis Batch: 835567

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB								
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Fluoride	ND		0.20	0.10	mg/L			06/15/26 11:23	1	

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 410-835567/3

Matrix: Water

Analysis Batch: 835567

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	1.50	1.54		mg/L		103	90 - 110

Lab Sample ID: LCSD 410-835567/4

Matrix: Water

Analysis Batch: 835567

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	1.50	1.55		mg/L		103	90 - 110	0	20

Lab Sample ID: 410-286539-5 MS

Matrix: Water

Analysis Batch: 835567

Client Sample ID: MW-26C

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	2.4	FH	10.0	16.9	FH	mg/L		145	90 - 110

Lab Sample ID: 410-286539-5 DU

Matrix: Water

Analysis Batch: 835567

Client Sample ID: MW-26C

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Fluoride	2.4	FH	2.43		mg/L		0.7	15

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Lab Sample ID: MB 410-835234/19-A

Matrix: Water

Analysis Batch: 835324

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 835234

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.0	1.1	ng/L		06/15/26 08:18	06/15/26 17:41	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.60	ng/L		06/15/26 08:18	06/15/26 17:41	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.50	ng/L		06/15/26 08:18	06/15/26 17:41	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.80	ng/L		06/15/26 08:18	06/15/26 17:41	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.90	ng/L		06/15/26 08:18	06/15/26 17:41	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.50	ng/L		06/15/26 08:18	06/15/26 17:41	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.50	ng/L		06/15/26 08:18	06/15/26 17:41	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.50	ng/L		06/15/26 08:18	06/15/26 17:41	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.50	ng/L		06/15/26 08:18	06/15/26 17:41	1
Perfluorotridecanoic acid (PFTTrDA)	ND		2.0	0.50	ng/L		06/15/26 08:18	06/15/26 17:41	1
Perfluorotetradecanoic acid (PFTeDA)	ND		2.0	0.50	ng/L		06/15/26 08:18	06/15/26 17:41	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.50	ng/L		06/15/26 08:18	06/15/26 17:41	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.50	ng/L		06/15/26 08:18	06/15/26 17:41	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.80	ng/L		06/15/26 08:18	06/15/26 17:41	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.50	ng/L		06/15/26 08:18	06/15/26 17:41	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	1.3	ng/L		06/15/26 08:18	06/15/26 17:41	1
Perfluorononanesulfonic acid (PFNS)	ND		2.0	0.50	ng/L		06/15/26 08:18	06/15/26 17:41	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.50	ng/L		06/15/26 08:18	06/15/26 17:41	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 410-835234/19-A

Matrix: Water

Analysis Batch: 835324

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 835234

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanesulfonic acid (PFDoS)	ND		2.0	0.60	ng/L		06/15/26 08:18	06/15/26 17:41	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		4.0	1.0	ng/L		06/15/26 08:18	06/15/26 17:41	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		4.0	1.0	ng/L		06/15/26 08:18	06/15/26 17:41	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		4.0	1.0	ng/L		06/15/26 08:18	06/15/26 17:41	1
Perfluorooctanesulfonamide (PFOSA)	ND		2.0	0.50	ng/L		06/15/26 08:18	06/15/26 17:41	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		2.0	0.50	ng/L		06/15/26 08:18	06/15/26 17:41	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		2.0	1.1	ng/L		06/15/26 08:18	06/15/26 17:41	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.0	0.50	ng/L		06/15/26 08:18	06/15/26 17:41	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.0	0.50	ng/L		06/15/26 08:18	06/15/26 17:41	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		10	4.0	ng/L		06/15/26 08:18	06/15/26 17:41	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		10	4.0	ng/L		06/15/26 08:18	06/15/26 17:41	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		2.0	1.4	ng/L		06/15/26 08:18	06/15/26 17:41	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.50	ng/L		06/15/26 08:18	06/15/26 17:41	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.50	ng/L		06/15/26 08:18	06/15/26 17:41	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.50	ng/L		06/15/26 08:18	06/15/26 17:41	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.50	ng/L		06/15/26 08:18	06/15/26 17:41	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		2.0	0.50	ng/L		06/15/26 08:18	06/15/26 17:41	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.50	ng/L		06/15/26 08:18	06/15/26 17:41	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.50	ng/L		06/15/26 08:18	06/15/26 17:41	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		4.0	1.0	ng/L		06/15/26 08:18	06/15/26 17:41	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		10	2.8	ng/L		06/15/26 08:18	06/15/26 17:41	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		10	2.5	ng/L		06/15/26 08:18	06/15/26 17:41	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	97.6		5 - 130	06/15/26 08:18	06/15/26 17:41	1
13C5 PFPeA	97.5		40 - 130	06/15/26 08:18	06/15/26 17:41	1
13C5 PFHxA	92.1		40 - 130	06/15/26 08:18	06/15/26 17:41	1
13C4 PFHpA	84.7		40 - 130	06/15/26 08:18	06/15/26 17:41	1
13C8 PFOA	81.8		40 - 130	06/15/26 08:18	06/15/26 17:41	1
13C9 PFNA	81.0		40 - 130	06/15/26 08:18	06/15/26 17:41	1
13C6 PFDA	76.9		40 - 130	06/15/26 08:18	06/15/26 17:41	1
13C7 PFUnA	81.7		30 - 130	06/15/26 08:18	06/15/26 17:41	1
13C2 PFTeDA	70.0		10 - 130	06/15/26 08:18	06/15/26 17:41	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 410-835234/19-A

Matrix: Water

Analysis Batch: 835324

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 835234

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C3 PFBS	86.2		40 - 135	06/15/26 08:18	06/15/26 17:41	1
13C3 PFHxS	78.5		40 - 130	06/15/26 08:18	06/15/26 17:41	1
13C8 PFOS	78.2		40 - 130	06/15/26 08:18	06/15/26 17:41	1
13C8 FOSA	75.9		40 - 130	06/15/26 08:18	06/15/26 17:41	1
d3-NMeFOSAA	62.1		40 - 170	06/15/26 08:18	06/15/26 17:41	1
d5-NEtFOSAA	61.4		25 - 135	06/15/26 08:18	06/15/26 17:41	1
13C2 4:2 FTS	71.5		40 - 200	06/15/26 08:18	06/15/26 17:41	1
13C2 6:2 FTS	71.4		40 - 200	06/15/26 08:18	06/15/26 17:41	1
13C2 8:2 FTS	101		40 - 300	06/15/26 08:18	06/15/26 17:41	1
13C3 HFPO-DA	86.9		40 - 130	06/15/26 08:18	06/15/26 17:41	1
d7-N-MeFOSE-M	57.2		10 - 130	06/15/26 08:18	06/15/26 17:41	1
d9-N-EtFOSE-M	52.9		10 - 130	06/15/26 08:18	06/15/26 17:41	1
d5-NEtPFOSA	63.1		10 - 130	06/15/26 08:18	06/15/26 17:41	1
d3-NMePFOSA	62.0		10 - 130	06/15/26 08:18	06/15/26 17:41	1
13C2 PFDoA	80.7		10 - 130	06/15/26 08:18	06/15/26 17:41	1
13C3-3:3 FTCA	124		20 - 150	06/15/26 08:18	06/15/26 17:41	1
13C3-5:3 FTCA	89.4		20 - 150	06/15/26 08:18	06/15/26 17:41	1
13C3-PFDoS	59.6		20 - 150	06/15/26 08:18	06/15/26 17:41	1

Lab Sample ID: LCS 410-835234/20-A

Matrix: Water

Analysis Batch: 835324

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 835234

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	80.0	73.0		ng/L		91	70 - 140
Perfluoropentanoic acid (PFPeA)	40.0	37.0		ng/L		92	65 - 135
Perfluorohexanoic acid (PFHxA)	40.0	38.7		ng/L		97	70 - 145
Perfluoroheptanoic acid (PFHpA)	40.0	39.7		ng/L		99	70 - 150
Perfluorooctanoic acid (PFOA)	40.0	40.1		ng/L		100	70 - 150
Perfluorononanoic acid (PFNA)	40.0	38.2		ng/L		96	70 - 150
Perfluorodecanoic acid (PFDA)	40.0	39.3		ng/L		98	70 - 140
Perfluoroundecanoic acid (PFUnA)	40.0	38.9		ng/L		97	70 - 145
Perfluorododecanoic acid (PFDoA)	40.0	37.9		ng/L		95	70 - 140
Perfluorotridecanoic acid (PFTTrDA)	40.0	36.8		ng/L		92	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	40.0	38.1		ng/L		95	60 - 140
Perfluorobutanesulfonic acid (PFBS)	35.5	34.2		ng/L		96	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	37.6	36.4		ng/L		97	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	36.5	36.5		ng/L		100	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	38.2	36.5		ng/L		96	70 - 150
Perfluorooctanesulfonic acid (PFOS)	37.2	34.3		ng/L		92	55 - 150
Perfluorononanesulfonic acid (PFNS)	38.5	34.7		ng/L		90	65 - 145

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-835234/20-A

Matrix: Water

Analysis Batch: 835324

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 835234

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorodecanesulfonic acid (PFDS)	38.6	32.8		ng/L		85	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	38.8	38.3		ng/L		99	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	75.0	77.3		ng/L		103	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	76.2	73.8		ng/L		97	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	76.8	74.0		ng/L		96	60 - 150
Perfluorooctanesulfonamide (PFOSA)	40.0	38.7		ng/L		97	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	40.0	38.4		ng/L		96	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	40.0	36.8		ng/L		92	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	38.0		ng/L		95	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	39.3		ng/L		98	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	200	198		ng/L		99	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	200	200		ng/L		100	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	30.1	29.4		ng/L		98	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	35.4		ng/L		94	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	40.0	38.0		ng/L		95	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	40.0	35.8		ng/L		89	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	40.0	38.8		ng/L		97	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	37.4	35.0		ng/L		94	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	37.8	30.8		ng/L		82	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	35.7	29.6		ng/L		83	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	80.0	60.6		ng/L		76	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	200	169		ng/L		84	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	200	156		ng/L		78	50 - 145

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	93.8		5 - 130
13C5 PFPeA	90.1		40 - 130
13C5 PFHxA	87.3		40 - 130
13C4 PFHpA	83.0		40 - 130
13C8 PFOA	86.3		40 - 130

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-835234/20-A

Matrix: Water

Analysis Batch: 835324

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 835234

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C9 PFNA	85.1		40 - 130
13C6 PFDA	82.3		40 - 130
13C7 PFUnA	83.0		30 - 130
13C2 PFTeDA	73.6		10 - 130
13C3 PFBS	90.1		40 - 135
13C3 PFHxS	86.7		40 - 130
13C8 PFOS	86.2		40 - 130
13C8 FOSA	75.6		40 - 130
d3-NMeFOSAA	64.6		40 - 170
d5-NEtFOSAA	61.9		25 - 135
13C2 4:2 FTS	73.2		40 - 200
13C2 6:2 FTS	68.0		40 - 200
13C2 8:2 FTS	106		40 - 300
13C3 HFPO-DA	81.9		40 - 130
d7-N-MeFOSE-M	60.1		10 - 130
d9-N-EtFOSE-M	58.0		10 - 130
d5-NEtPFOSA	65.7		10 - 130
d3-NMePFOSA	65.2		10 - 130
13C2 PFDoA	83.7		10 - 130
13C3-3:3 FTCA	116		20 - 150
13C3-5:3 FTCA	83.6		20 - 150
13C3-PFDoS	63.4		20 - 150

Lab Sample ID: LLCS 410-835234/21-A

Matrix: Water

Analysis Batch: 835324

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 835234

Analyte	Spike Added	LLCS LLCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Perfluorobutanoic acid (PFBA)	8.00	7.79		ng/L		97	70 - 140
Perfluoropentanoic acid (PFPeA)	4.00	4.00		ng/L		100	65 - 135
Perfluorohexanoic acid (PFHxA)	4.00	4.31	I	ng/L		108	70 - 145
Perfluoroheptanoic acid (PFHpA)	4.00	3.95		ng/L		99	70 - 150
Perfluorooctanoic acid (PFOA)	4.00	4.26		ng/L		107	70 - 150
Perfluorononanoic acid (PFNA)	4.00	4.21		ng/L		105	70 - 150
Perfluorodecanoic acid (PFDA)	4.00	4.23		ng/L		106	70 - 140
Perfluoroundecanoic acid (PFUnA)	4.00	4.53		ng/L		113	70 - 145
Perfluorododecanoic acid (PFDoA)	4.00	4.06		ng/L		101	70 - 140
Perfluorotridecanoic acid (PFTTrDA)	4.00	3.95		ng/L		99	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	4.00	3.56		ng/L		89	60 - 140
Perfluorobutanesulfonic acid (PFBS)	3.55	3.57		ng/L		101	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	3.76	3.59		ng/L		95	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	3.65	3.90		ng/L		107	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	3.82	3.73		ng/L		98	70 - 150

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 410-835234/21-A

Matrix: Water

Analysis Batch: 835324

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 835234

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorooctanesulfonic acid (PFOS)	3.72	3.61		ng/L		97	55 - 150
Perfluorononanesulfonic acid (PFNS)	3.85	3.68		ng/L		96	65 - 145
Perfluorodecanesulfonic acid (PFDS)	3.86	3.87		ng/L		100	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	3.88	3.90		ng/L		100	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	7.50	9.14		ng/L		122	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	7.62	8.89		ng/L		117	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	7.68	9.12		ng/L		119	60 - 150
Perfluorooctanesulfonamide (PFOSA)	4.00	4.17		ng/L		104	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	4.00	3.91		ng/L		98	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	4.00	3.74		ng/L		94	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.00	4.07		ng/L		102	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.00	4.96		ng/L		124	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	20.0	20.8		ng/L		104	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	20.0	20.8		ng/L		104	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	3.01	2.84		ng/L		94	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.78	3.66		ng/L		97	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.00	3.99		ng/L		100	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.00	3.93		ng/L		98	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.00	4.07		ng/L		102	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	3.74	3.89		ng/L		104	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	3.78	3.22		ng/L		85	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	3.57	2.92		ng/L		82	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	8.00	7.30		ng/L		91	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	20.0	19.9		ng/L		99	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	20.0	18.1		ng/L		91	50 - 145

Isotope Dilution	LLCS %Recovery	LLCS Qualifier	Limits
¹³ C4 PFBA	104		5 - 130

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 410-835234/21-A

Matrix: Water

Analysis Batch: 835324

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 835234

Isotope Dilution	LLCS LLCS		Limits
	%Recovery	Qualifier	
13C5 PFPeA	94.7		40 - 130
13C5 PFHxA	94.1		40 - 130
13C4 PFHpA	94.3		40 - 130
13C8 PFOA	93.8		40 - 130
13C9 PFNA	93.3		40 - 130
13C6 PFDA	85.3		40 - 130
13C7 PFUnA	83.5		30 - 130
13C2 PFTeDA	77.3		10 - 130
13C3 PFBS	94.5		40 - 135
13C3 PFHxS	90.5		40 - 130
13C8 PFOS	89.6		40 - 130
13C8 FOSA	88.6		40 - 130
d3-NMeFOSAA	76.1		40 - 170
d5-NEtFOSAA	69.9		25 - 135
13C2 4:2 FTS	79.1		40 - 200
13C2 6:2 FTS	75.4		40 - 200
13C2 8:2 FTS	107		40 - 300
13C3 HFPO-DA	90.2		40 - 130
d7-N-MeFOSE-M	82.6		10 - 130
d9-N-EtFOSE-M	76.8		10 - 130
d5-NEtPFOSA	75.6		10 - 130
d3-NMePFOSA	75.6		10 - 130
13C2 PFDoA	86.3		10 - 130
13C3-3:3 FTCA	117		20 - 150
13C3-5:3 FTCA	94.8		20 - 150
13C3-PFDoS	70.3		20 - 150

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 410-833235/1-A

Matrix: Water

Analysis Batch: 834053

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 833235

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chromium	ND		0.0021	0.00057	mg/L		06/11/26 01:15	06/11/26 18:31	1
Manganese	ND		0.0021	0.0013	mg/L		06/11/26 01:15	06/11/26 18:31	1
Nickel	ND		0.0010	0.00041	mg/L		06/11/26 01:15	06/11/26 18:31	1

Lab Sample ID: LCS 410-833235/2-A

Matrix: Water

Analysis Batch: 834053

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 833235

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Chromium	0.500	0.484		mg/L		97	84 - 113
Manganese	0.500	0.486		mg/L		97	84 - 113
Nickel	0.500	0.487		mg/L		97	85 - 113

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 410-835747/1-A

Matrix: Water

Analysis Batch: 836209

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 835747

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0021	0.00057	mg/L		06/16/26 01:45	06/16/26 11:31	1
Manganese	ND		0.0021	0.0013	mg/L		06/16/26 01:45	06/16/26 11:31	1
Nickel	ND		0.0010	0.00041	mg/L		06/16/26 01:45	06/16/26 11:31	1

Lab Sample ID: LCS 410-835747/2-A

Matrix: Water

Analysis Batch: 836209

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 835747

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	0.500	0.525		mg/L		105	84 - 113
Manganese	0.500	0.530		mg/L		106	84 - 113
Nickel	0.500	0.521		mg/L		104	85 - 113

Lab Sample ID: 410-286539-5 MS

Matrix: Water

Analysis Batch: 836209

Client Sample ID: MW-26C

Prep Type: Dissolved

Prep Batch: 835747

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	ND	cn	0.500	0.504	cn	mg/L		101	75 - 125
Manganese	0.057	cn	0.500	0.558	cn	mg/L		100	75 - 125
Nickel	0.0046	cn	0.500	0.500	cn	mg/L		99	75 - 125

Lab Sample ID: 410-286539-5 MSD

Matrix: Water

Analysis Batch: 836209

Client Sample ID: MW-26C

Prep Type: Dissolved

Prep Batch: 835747

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium	ND	cn	0.500	0.513	cn	mg/L		103	75 - 125	2	20
Manganese	0.057	cn	0.500	0.558	cn	mg/L		100	75 - 125	0	20
Nickel	0.0046	cn	0.500	0.508	cn	mg/L		101	75 - 125	2	20

Lab Sample ID: 410-286539-5 DU

Matrix: Water

Analysis Batch: 836209

Client Sample ID: MW-26C

Prep Type: Dissolved

Prep Batch: 835747

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chromium	ND	cn	ND	cn	mg/L		NC	20
Manganese	0.057	cn	0.0554	cn	mg/L		2	20
Nickel	0.0046	cn	0.00456	cn	mg/L		0.1	20

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

GC/MS VOA

Analysis Batch: 835835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286539-1	MW-24	Total/NA	Water	8260D	
410-286539-2	MW-61	Total/NA	Water	8260D	
410-286539-3	MW-26A	Total/NA	Water	8260D	
410-286539-4	MW-26B	Total/NA	Water	8260D	
410-286539-5	MW-26C	Total/NA	Water	8260D	
410-286539-5 - DL	MW-26C	Total/NA	Water	8260D	
410-286539-6	Duplicate 5	Total/NA	Water	8260D	
MB 410-835835/7	Method Blank	Total/NA	Water	8260D	
LCS 410-835835/5	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 836607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286539-4 - DL	MW-26B	Total/NA	Water	8260D	
410-286539-6 - DL	Duplicate 5	Total/NA	Water	8260D	
MB 410-836607/7	Method Blank	Total/NA	Water	8260D	
LCS 410-836607/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-836607/5	Lab Control Sample Dup	Total/NA	Water	8260D	

HPLC/IC

Analysis Batch: 828605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286539-1	MW-24	Dissolved	Water	218.6	
410-286539-3	MW-26A	Dissolved	Water	218.6	
410-286539-4	MW-26B	Dissolved	Water	218.6	
410-286539-5	MW-26C	Dissolved	Water	218.6	
410-286539-6	Duplicate 5	Dissolved	Water	218.6	
MB 410-828605/75	Method Blank	Total/NA	Water	218.6	
LCS 410-828605/74	Lab Control Sample	Total/NA	Water	218.6	
410-286539-5 MS	MW-26C	Dissolved	Water	218.6	
410-286539-5 MSD	MW-26C	Dissolved	Water	218.6	
410-286539-5 DU	MW-26C	Dissolved	Water	218.6	

Filtration Batch: 835529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286539-1	MW-24	Dissolved	Water	FILTRATION	
410-286539-3	MW-26A	Dissolved	Water	FILTRATION	
410-286539-4	MW-26B	Dissolved	Water	FILTRATION	
410-286539-5	MW-26C	Dissolved	Water	FILTRATION	
410-286539-6	Duplicate 5	Dissolved	Water	FILTRATION	
410-286539-5 MS	MW-26C	Dissolved	Water	FILTRATION	
410-286539-5 DU	MW-26C	Dissolved	Water	FILTRATION	

Analysis Batch: 835567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286539-1	MW-24	Dissolved	Water	9056A	835529
410-286539-3	MW-26A	Dissolved	Water	9056A	835529
410-286539-4	MW-26B	Dissolved	Water	9056A	835529
410-286539-5	MW-26C	Dissolved	Water	9056A	835529
410-286539-6	Duplicate 5	Dissolved	Water	9056A	835529
MB 410-835567/5	Method Blank	Total/NA	Water	9056A	

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

HPLC/IC (Continued)

Analysis Batch: 835567 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 410-835567/3	Lab Control Sample	Total/NA	Water	9056A	
LCSD 410-835567/4	Lab Control Sample Dup	Total/NA	Water	9056A	
410-286539-5 MS	MW-26C	Dissolved	Water	9056A	835529
410-286539-5 DU	MW-26C	Dissolved	Water	9056A	835529

LCMS

Prep Batch: 835234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286539-1	MW-24	Total/NA	Water	1633A	
410-286539-2	MW-61	Total/NA	Water	1633A	
410-286539-3	MW-26A	Total/NA	Water	1633A	
410-286539-4	MW-26B	Total/NA	Water	1633A	
410-286539-5	MW-26C	Total/NA	Water	1633A	
410-286539-6	Duplicate 5	Total/NA	Water	1633A	
MB 410-835234/19-A	Method Blank	Total/NA	Water	1633A	
LCS 410-835234/20-A	Lab Control Sample	Total/NA	Water	1633A	
LLCS 410-835234/21-A	Lab Control Sample	Total/NA	Water	1633A	

Analysis Batch: 835324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286539-1	MW-24	Total/NA	Water	1633A	835234
410-286539-2	MW-61	Total/NA	Water	1633A	835234
410-286539-3	MW-26A	Total/NA	Water	1633A	835234
410-286539-4	MW-26B	Total/NA	Water	1633A	835234
410-286539-5	MW-26C	Total/NA	Water	1633A	835234
410-286539-6	Duplicate 5	Total/NA	Water	1633A	835234
MB 410-835234/19-A	Method Blank	Total/NA	Water	1633A	835234
LCS 410-835234/20-A	Lab Control Sample	Total/NA	Water	1633A	835234
LLCS 410-835234/21-A	Lab Control Sample	Total/NA	Water	1633A	835234

Metals

Filtration Batch: 829516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286539-1	MW-24	Dissolved	Water	Filtration	
410-286539-3	MW-26A	Dissolved	Water	Filtration	
410-286539-4	MW-26B	Dissolved	Water	Filtration	
410-286539-5	MW-26C	Dissolved	Water	Filtration	
410-286539-6	Duplicate 5	Dissolved	Water	Filtration	
410-286539-5 MS	MW-26C	Dissolved	Water	Filtration	
410-286539-5 MSD	MW-26C	Dissolved	Water	Filtration	
410-286539-5 DU	MW-26C	Dissolved	Water	Filtration	

Prep Batch: 833235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286539-1	MW-24	Dissolved	Water	Non-Digest Prep	829516
410-286539-3	MW-26A	Dissolved	Water	Non-Digest Prep	829516
410-286539-4	MW-26B	Dissolved	Water	Non-Digest Prep	829516
410-286539-6	Duplicate 5	Dissolved	Water	Non-Digest Prep	829516
MB 410-833235/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-833235/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Metals

Analysis Batch: 834053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286539-1	MW-24	Dissolved	Water	6020B	833235
410-286539-3	MW-26A	Dissolved	Water	6020B	833235
410-286539-4	MW-26B	Dissolved	Water	6020B	833235
410-286539-6	Duplicate 5	Dissolved	Water	6020B	833235
MB 410-833235/1-A	Method Blank	Total/NA	Water	6020B	833235
LCS 410-833235/2-A	Lab Control Sample	Total/NA	Water	6020B	833235

Prep Batch: 835747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286539-5	MW-26C	Dissolved	Water	Non-Digest Prep	829516
MB 410-835747/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-835747/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	
410-286539-5 MS	MW-26C	Dissolved	Water	Non-Digest Prep	829516
410-286539-5 MSD	MW-26C	Dissolved	Water	Non-Digest Prep	829516
410-286539-5 DU	MW-26C	Dissolved	Water	Non-Digest Prep	829516

Analysis Batch: 836209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286539-5	MW-26C	Dissolved	Water	6020B	835747
MB 410-835747/1-A	Method Blank	Total/NA	Water	6020B	835747
LCS 410-835747/2-A	Lab Control Sample	Total/NA	Water	6020B	835747
410-286539-5 MS	MW-26C	Dissolved	Water	6020B	835747
410-286539-5 MSD	MW-26C	Dissolved	Water	6020B	835747
410-286539-5 DU	MW-26C	Dissolved	Water	6020B	835747

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Client Sample ID: MW-24

Lab Sample ID: 410-286539-1

Date Collected: 06/03/26 11:15

Matrix: Water

Date Received: 06/03/26 18:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	835835	ULCP	ELLE	06/16/26 14:40
Dissolved	Analysis	218.6		1	828605	RAC6	ELLE	06/04/26 09:55
Dissolved	Filtration	FILTRATION			835529	L4QM	ELLE	06/15/26 15:13
Dissolved	Analysis	9056A		1	835567	L4QM	ELLE	06/15/26 22:25
Total/NA	Prep	1633A			835234	KZ5A	ELLE	06/15/26 08:18
Total/NA	Analysis	1633A		1	835324	VGQ7	ELLE	06/15/26 21:46
Dissolved	Filtration	Filtration			829516	UDL9	ELLE	06/04/26 10:29
Dissolved	Prep	Non-Digest Prep			833235	UAMX	ELLE	06/11/26 01:15
Dissolved	Analysis	6020B		1	834053	LHF4	ELLE	06/11/26 19:55

Client Sample ID: MW-61

Lab Sample ID: 410-286539-2

Date Collected: 06/03/26 10:30

Matrix: Water

Date Received: 06/03/26 18:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	835835	ULCP	ELLE	06/16/26 15:01
Total/NA	Prep	1633A			835234	KZ5A	ELLE	06/15/26 08:18
Total/NA	Analysis	1633A		1	835324	VGQ7	ELLE	06/15/26 22:00

Client Sample ID: MW-26A

Lab Sample ID: 410-286539-3

Date Collected: 06/03/26 08:45

Matrix: Water

Date Received: 06/03/26 18:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	835835	ULCP	ELLE	06/16/26 15:22
Dissolved	Analysis	218.6		1	828605	RAC6	ELLE	06/04/26 10:41
Dissolved	Filtration	FILTRATION			835529	L4QM	ELLE	06/15/26 15:13
Dissolved	Analysis	9056A		1	835567	L4QM	ELLE	06/15/26 23:19
Total/NA	Prep	1633A			835234	KZ5A	ELLE	06/15/26 08:18
Total/NA	Analysis	1633A		1	835324	VGQ7	ELLE	06/15/26 22:13
Dissolved	Filtration	Filtration			829516	UDL9	ELLE	06/04/26 10:29
Dissolved	Prep	Non-Digest Prep			833235	UAMX	ELLE	06/11/26 01:15
Dissolved	Analysis	6020B		1	834053	LHF4	ELLE	06/11/26 20:01

Client Sample ID: MW-26B

Lab Sample ID: 410-286539-4

Date Collected: 06/03/26 09:00

Matrix: Water

Date Received: 06/03/26 18:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	835835	ULCP	ELLE	06/16/26 15:42
Total/NA	Analysis	8260D	DL	100	836607	TQ4J	ELLE	06/17/26 16:28
Dissolved	Analysis	218.6		1	828605	RAC6	ELLE	06/04/26 09:47
Dissolved	Filtration	FILTRATION			835529	L4QM	ELLE	06/15/26 15:13
Dissolved	Analysis	9056A		1	835567	L4QM	ELLE	06/15/26 23:45

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Client Sample ID: MW-26B

Lab Sample ID: 410-286539-4

Date Collected: 06/03/26 09:00

Matrix: Water

Date Received: 06/03/26 18:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633A			835234	KZ5A	ELLE	06/15/26 08:18
Total/NA	Analysis	1633A		1	835324	VGQ7	ELLE	06/15/26 22:27
Dissolved	Filtration	Filtration			829516	UDL9	ELLE	06/04/26 10:29
Dissolved	Prep	Non-Digest Prep			833235	UAMX	ELLE	06/11/26 01:15
Dissolved	Analysis	6020B		1	834053	LHF4	ELLE	06/11/26 19:57

Client Sample ID: MW-26C

Lab Sample ID: 410-286539-5

Date Collected: 06/03/26 09:15

Matrix: Water

Date Received: 06/03/26 18:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		500	835835	ULCP	ELLE	06/16/26 18:27
Total/NA	Analysis	8260D	DL	5000	835835	ULCP	ELLE	06/16/26 18:47
Dissolved	Analysis	218.6		1	828605	RAC6	ELLE	06/04/26 11:11
Dissolved	Filtration	FILTRATION			835529	L4QM	ELLE	06/15/26 15:13
Dissolved	Analysis	9056A		10	835567	L4QM	ELLE	06/16/26 02:13
Total/NA	Prep	1633A			835234	KZ5A	ELLE	06/15/26 08:18
Total/NA	Analysis	1633A		1	835324	VGQ7	ELLE	06/15/26 22:41
Dissolved	Filtration	Filtration			829516	UDL9	ELLE	06/04/26 10:29
Dissolved	Prep	Non-Digest Prep			835747	UAMX	ELLE	06/16/26 01:45
Dissolved	Analysis	6020B		1	836209	SAM2	ELLE	06/16/26 12:44

Client Sample ID: Duplicate 5

Lab Sample ID: 410-286539-6

Date Collected: 06/03/26 09:05

Matrix: Water

Date Received: 06/03/26 18:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	835835	ULCP	ELLE	06/16/26 16:03
Total/NA	Analysis	8260D	DL	100	836607	TQ4J	ELLE	06/17/26 16:51
Dissolved	Analysis	218.6		1	828605	RAC6	ELLE	06/04/26 11:03
Dissolved	Filtration	FILTRATION			835529	L4QM	ELLE	06/15/26 15:13
Dissolved	Analysis	9056A		1	835567	L4QM	ELLE	06/16/26 00:12
Total/NA	Prep	1633A			835234	KZ5A	ELLE	06/15/26 08:18
Total/NA	Analysis	1633A		1	835324	VGQ7	ELLE	06/15/26 22:54
Dissolved	Filtration	Filtration			829516	UDL9	ELLE	06/04/26 10:29
Dissolved	Prep	Non-Digest Prep			833235	UAMX	ELLE	06/11/26 01:15
Dissolved	Analysis	6020B		1	834053	LHF4	ELLE	06/11/26 19:59

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Pennsylvania	NELAP	36-00037	01-31-27

1
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Method Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	ELLE
218.6	Chromium, Hexavalent (Ion Chromatography)	EPA	ELLE
9056A	Anions, Ion Chromatography	SW846	ELLE
1633A	Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A	EPA	ELLE
6020B	Metals (ICP/MS)	SW846	ELLE
1633A	Solid-Phase Extraction (SPE)	EPA	ELLE
5030C	Purge and Trap	SW846	ELLE
FILTRATION	Sample Filtration	None	ELLE
Non-Digest Prep	Preparation, Non-Digested Aqueous Metals	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-286539-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
410-286539-1	MW-24	Water	06/03/26 11:15	06/03/26 18:20	Pennsylvania
410-286539-2	MW-61	Water	06/03/26 10:30	06/03/26 18:20	Pennsylvania
410-286539-3	MW-26A	Water	06/03/26 08:45	06/03/26 18:20	Pennsylvania
410-286539-4	MW-26B	Water	06/03/26 09:00	06/03/26 18:20	Pennsylvania
410-286539-5	MW-26C	Water	06/03/26 09:15	06/03/26 18:20	Pennsylvania
410-286539-6	Duplicate 5	Water	06/03/26 09:05	06/03/26 18:20	Pennsylvania

Environmental Analysis Request



410-286539 Chain of Custody

**Lancaster Laboratories
Environmental**

Acct. # _____ Group # _____ Sample # _____

[illegible]

Eurofins Lancaster Laboratories Environmental, LLC • 2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300

7045 0717

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 410-286539-1

Login Number: 286539

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Foreman, Kai

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(<=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (<=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	



ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Tim Uhler
Groundwater & Environmental Services Inc
410 Eagleview Boulevard
Suite 110
Exton, Pennsylvania 19341-2577

Generated 6/17/2026 6:15:54 PM

JOB DESCRIPTION

GTAC-Bishop Tube

JOB NUMBER

410-286525-1

Eurofins Lancaster Laboratories Environment Testing, LLC

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Authorized for release by
Amek Carter, Project Manager
Loran.Carter@et.eurofinsus.com
(717)556-7252

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Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
 - Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
 - Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
- Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

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WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.



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Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
^c	CCV Recovery is outside acceptance limits.
cn	Refer to Case Narrative for further detail
FH	MS and/or MSD recovery above control limits.
FL	MS and/or MSD recovery below control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

LCMS

Qualifier	Qualifier Description
*5+	Isotope dilution analyte is outside acceptance limits, high biased.
cn	Refer to Case Narrative for further detail
I	Ion ratio outside limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points

Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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Case Narrative

Client: Groundwater & Environmental Services Inc
Project: GTAC-Bishop Tube

Job ID: 410-286525-1

Job ID: 410-286525-1

Eurofins Lancaster Laboratories Environment

Job Narrative 410-286525-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 6/3/2026 5:05 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 5.9°C and 9.5°C.

Receipt Exceptions

The following sample(s) was listed on the Chain of Custody (COC); however, no sample(s) was received: MW-26C.

The following samples were received at the laboratory outside the required temperature criteria: MW-2 (410-286525-1), MW-2 (410-286525-1[MS]), MW-2 (410-286525-1[MSD]), MW-3 (410-286525-2), MW-25A (410-286525-3), MW-25B (410-286525-4), MW-25C (410-286525-5), MW-11 (410-286525-6), MW-18 (410-286525-7), MW-72 (410-286525-8), MW-73 (410-286525-9), Field Blank 4 (410-286525-10), Field Blank 5 (410-286525-11) and TB060326 (410-286525-12). The sample(s) is considered acceptable since it was collected and submitted to the laboratory on the same day and there is evidence that the chilling process has begun.

Backup volume for 1633 method was placed in the freezer upon receipt. MW-2 (410-286525-1), MW-2 (410-286525-1[MS]), MW-2 (410-286525-1[MSD]), MW-3 (410-286525-2), MW-25A (410-286525-3), MW-25B (410-286525-4), MW-25C (410-286525-5), MW-11 (410-286525-6), MW-18 (410-286525-7), MW-72 (410-286525-8), MW-73 (410-286525-9), Field Blank 4 (410-286525-10) and Field Blank 5 (410-286525-11)

GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-830737 recovered outside acceptance criteria, low biased, for Trichlorofluoromethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-835835 recovered above the upper control limit for Carbon tetrachloride, 1,1,1-Trichloroethane and Freon 113. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-835835 recovered outside acceptance criteria, low biased, for 4-Methyl-2-pentanone, 2-Hexanone, Chloroethane, 2-Butanone and Methyl acetate. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

PFAS

Method 1633A: Due to TSS greater than 50 mg/L when compared to a visual standard, the samples were spiked with extracted internal standards, shaken and centrifuged. The aqueous portion was decanted into the original container and extracted. The affected samples are MW-11 (410-286525-6), MW-72 (410-286525-8) and MW-73 (410-286525-9).

Method 1633A: Analyte Perfluorononanoic acid (PFNA) was marked as non-detect for sample MW-2 (410-286525-1) due to a

Case Narrative

Client: Groundwater & Environmental Services Inc
Project: GTAC-Bishop Tube

Job ID: 410-286525-1

Job ID: 410-286525-1 (Continued)

Eurofins Lancaster Laboratories Environment

detection below RL and failing ion ratio.

Method 1633A: Analyte Perfluorodecanoic acid (PFDA) and Perfluoropentanesulfonic acid (PFPeS) was marked as non-detect for sample MW-25B (410-286525-4) due to a detection below RL and failing ion ratio.

Method 1633A: Analyte 1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS) was marked as non-detect for sample MW-72 (410-286525-8) due to a detection below RL and failing ion ratio.

Method 1633A: The labeled isotopes ¹³C2 4:2 FTS are outside QC acceptance limits. Since the recovery in sample MW-72 (410-286525-8) is less than 350%, the data is reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals

Method 6020B - Dissolved: The following samples were not filtered within 15 minutes of sample collection as required by the method: MW-2 (410-286525-1), MW-3 (410-286525-2), MW-25A (410-286525-3), MW-25B (410-286525-4), MW-25C (410-286525-5), MW-11 (410-286525-6), MW-18 (410-286525-7), MW-72 (410-286525-8), MW-73 (410-286525-9), Field Blank 4 (410-286525-10) and Field Blank 5 (410-286525-11). The sample(s) was filtered prior to analysis at the laboratory, and the results have been reported. This does not meet regulatory requirements.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: MW-2

Lab Sample ID: 410-286525-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1.2		1.0	0.30	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	7.9		1.0	0.30	ug/L	1		8260D	Total/NA
Acetone	1.4	J	20	0.70	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	2.0	^c FH	1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	24	FL	1.0	0.30	ug/L	1		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	3.1	J	3.5	0.97	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	4.6		1.8	0.53	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	4.0		1.8	0.44	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	2.7		1.8	0.70	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	3.0		1.8	0.79	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	1.1	J	3.5	0.88	ng/L	1		1633A	Total/NA

Client Sample ID: MW-3

Lab Sample ID: 410-286525-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	10		1.0	0.30	ug/L	1		8260D	Total/NA
Acetone	2.5	J	20	0.70	ug/L	1		8260D	Total/NA
Trichloroethene	52		1.0	0.30	ug/L	1		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	6.5		3.5	0.95	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	17		1.7	0.52	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	11		1.7	0.43	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	7.5		1.7	0.69	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	6.1		1.7	0.78	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	3.0		1.7	0.43	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	2.6	J	3.5	0.86	ng/L	1		1633A	Total/NA
Manganese	0.0020	J cn	0.0021	0.0013	mg/L	1		6020B	Dissolved
Nickel	0.00057	J cn	0.0010	0.00041	mg/L	1		6020B	Dissolved

Client Sample ID: MW-25A

Lab Sample ID: 410-286525-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1.1		1.0	0.30	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	110		1.0	0.30	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	2.2		2.0	0.70	ug/L	1		8260D	Total/NA
Acetone	2.1	J	20	0.70	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	12	^c cn	1.0	0.30	ug/L	1		8260D	Total/NA
Vinyl chloride	0.71	J	1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	5.2		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	3.1		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	270		1.0	0.30	ug/L	1		8260D	Total/NA
Fluoride	0.25		0.20	0.10	mg/L	1		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	26		3.5	0.96	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	57		1.7	0.52	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	35		1.7	0.44	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	27		1.7	0.70	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	27		1.7	0.79	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	11		1.7	0.44	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	0.84	J	1.7	0.44	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.0	J	1.7	0.44	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.4		1.7	1.1	ng/L	1		1633A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: MW-25A (Continued)

Lab Sample ID: 410-286525-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	31		3.5	0.87	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	4.5		3.5	0.87	ng/L	1		1633A	Total/NA
Chromium	0.00078	J cn	0.0021	0.00057	mg/L	1		6020B	Dissolved
Manganese	0.025	cn	0.0021	0.0013	mg/L	1		6020B	Dissolved
Nickel	0.0029	cn	0.0010	0.00041	mg/L	1		6020B	Dissolved

Client Sample ID: MW-25B

Lab Sample ID: 410-286525-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	3.9	J	5.0	1.5	ug/L	5		8260D	Total/NA
Toluene	3.6	J	5.0	1.5	ug/L	5		8260D	Total/NA
Chlorobenzene	18		5.0	1.5	ug/L	5		8260D	Total/NA
Tetrachloroethene	4.9	J	5.0	1.5	ug/L	5		8260D	Total/NA
trans-1,2-Dichloroethene	270		10	3.5	ug/L	5		8260D	Total/NA
Methyl tertiary butyl ether	95		5.0	1.0	ug/L	5		8260D	Total/NA
Benzene	6.8		5.0	1.5	ug/L	5		8260D	Total/NA
1,1,1-Trichloroethane	150	^c cn	5.0	1.5	ug/L	5		8260D	Total/NA
Vinyl chloride	510		5.0	1.5	ug/L	5		8260D	Total/NA
1,1-Dichloroethene	570		5.0	1.5	ug/L	5		8260D	Total/NA
1,1,2-Trichloroethane	1.7	J	5.0	1.5	ug/L	5		8260D	Total/NA
1,1-Dichloroethane - DL	2000		50	15	ug/L	50		8260D	Total/NA
Trichloroethene - DL	5700		50	15	ug/L	50		8260D	Total/NA
cis-1,2-Dichloroethene - DL2	39000		500	150	ug/L	500		8260D	Total/NA
Fluoride	0.26		0.20	0.10	mg/L	1		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	67		3.5	0.97	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	210		1.8	0.53	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	160		1.8	0.44	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	84		1.8	0.71	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	70		1.8	0.80	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	14		1.8	0.44	ng/L	1		1633A	Total/NA
Perfluoroundecanoic acid (PFUnA)	1.0	J	1.8	0.44	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.50	J	1.8	0.44	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	3.8		1.8	0.71	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.2		1.8	1.1	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	17		3.5	0.88	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	300		3.5	0.88	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	3.7		3.5	0.88	ng/L	1		1633A	Total/NA
3-Perfluoropropylpropanoic acid (3:3 FTCA)	1.8	J	3.5	0.88	ng/L	1		1633A	Total/NA
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.6	J	8.8	2.5	ng/L	1		1633A	Total/NA
Chromium	0.00078	J cn	0.0021	0.00057	mg/L	1		6020B	Dissolved
Manganese	0.080	cn	0.0021	0.0013	mg/L	1		6020B	Dissolved
Nickel	0.0042	cn	0.0010	0.00041	mg/L	1		6020B	Dissolved

Client Sample ID: MW-25C

Lab Sample ID: 410-286525-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.32	J	1.0	0.30	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: MW-25C (Continued)

Lab Sample ID: 410-286525-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	2.0		1.0	0.30	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	41		2.0	0.70	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	38	^c cn	1.0	0.30	ug/L	1		8260D	Total/NA
Vinyl chloride	20		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	37		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	42		1.0	0.30	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene - DL	1300		10	3.0	ug/L	10		8260D	Total/NA
Trichloroethene - DL	860		10	3.0	ug/L	10		8260D	Total/NA
Fluoride	0.18	J	0.20	0.10	mg/L	1		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	10		3.5	0.98	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	18		1.8	0.53	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	9.9		1.8	0.44	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	8.1		1.8	0.71	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	8.0		1.8	0.80	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	2.6		1.8	0.44	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	0.70	J	1.8	0.44	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.71	J	1.8	0.44	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.8		1.8	1.2	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	1.6	J	3.5	0.89	ng/L	1		1633A	Total/NA
Chromium	0.0011	J cn	0.0021	0.00057	mg/L	1		6020B	Dissolved
Manganese	0.0025	cn	0.0021	0.0013	mg/L	1		6020B	Dissolved
Nickel	0.0018	cn	0.0010	0.00041	mg/L	1		6020B	Dissolved

Client Sample ID: MW-11

Lab Sample ID: 410-286525-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	2.2		1.0	0.30	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	110		1.0	0.30	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	9.1	^c cn	1.0	0.30	ug/L	1		8260D	Total/NA
Vinyl chloride	0.83	J	1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	9.3		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	0.72	J	1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	220		1.0	0.30	ug/L	1		8260D	Total/NA
Fluoride	0.14	J	0.20	0.10	mg/L	1		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	30	cn	3.5	0.95	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	84	cn	1.7	0.52	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	50	cn	1.7	0.43	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	40	cn	1.7	0.69	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	35	cn	1.7	0.78	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	18	cn	1.7	0.43	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	0.80	J cn	1.7	0.43	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.69	J cn	1.7	0.43	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.0	cn	1.7	1.1	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	12	cn	3.5	0.87	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	2.0	J cn	3.5	0.87	ng/L	1		1633A	Total/NA
Manganese	0.0069	cn	0.0021	0.0013	mg/L	1		6020B	Dissolved
Nickel	0.0032	cn	0.0010	0.00041	mg/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: MW-18

Lab Sample ID: 410-286525-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	3.2		1.0	0.30	ug/L	1		8260D	Total/NA
Methyl tertiary butyl ether	0.22	J	1.0	0.20	ug/L	1		8260D	Total/NA
Acetone	3.6	J	20	0.70	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	50	^c cn	1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	1.3		1.0	0.30	ug/L	1		8260D	Total/NA
Freon 113	0.35	J ^c cn	10	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	3.8		1.0	0.30	ug/L	1		8260D	Total/NA
Fluoride	0.50		0.20	0.10	mg/L	1		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	33		3.6	0.99	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	100		1.8	0.54	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	55		1.8	0.45	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	45		1.8	0.72	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	38		1.8	0.81	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	15		1.8	0.45	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	1.2	J	1.8	0.45	ng/L	1		1633A	Total/NA
Perfluoroundecanoic acid (PFUnA)	1.5	J	1.8	0.45	ng/L	1		1633A	Total/NA
Perfluorododecanoic acid (PFDoA)	0.67	J	1.8	0.45	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.72	J	1.8	0.45	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.2		1.8	1.2	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	20		3.6	0.90	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	5.4		3.6	0.90	ng/L	1		1633A	Total/NA
Manganese	0.0013	J cn	0.0021	0.0013	mg/L	1		6020B	Dissolved
Nickel	0.00053	J cn	0.0010	0.00041	mg/L	1		6020B	Dissolved

Client Sample ID: MW-72

Lab Sample ID: 410-286525-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	91	J	100	30	ug/L	100		8260D	Total/NA
Tetrachloroethene	1400		100	30	ug/L	100		8260D	Total/NA
Carbon tetrachloride	43	J ^c cn	100	30	ug/L	100		8260D	Total/NA
1,1,1-Trichloroethane	2800	^c cn	100	30	ug/L	100		8260D	Total/NA
Vinyl chloride	540		100	30	ug/L	100		8260D	Total/NA
1,1-Dichloroethane	160		100	30	ug/L	100		8260D	Total/NA
1,1-Dichloroethene	160		100	30	ug/L	100		8260D	Total/NA
cis-1,2-Dichloroethene - DL	46000		1000	300	ug/L	1000		8260D	Total/NA
Trichloroethene - DL2	300000		5000	1500	ug/L	5000		8260D	Total/NA
Fluoride	0.21		0.20	0.10	mg/L	1		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	110	cn	3.7	1.0	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	340	cn	1.9	0.56	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	200	cn	1.9	0.46	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	160	cn	1.9	0.74	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	170	cn	1.9	0.84	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	36	cn	1.9	0.46	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	1.3	J cn	1.9	0.46	ng/L	1		1633A	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.62	J cn	1.9	0.46	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.77	J cn	1.9	0.46	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.7	J cn	1.9	0.74	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	9.2	cn	1.9	1.2	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	130	cn	3.7	0.93	ng/L	1		1633A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: MW-72 (Continued)

Lab Sample ID: 410-286525-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	21	cn	3.7	0.93	ng/L	1		1633A	Total/NA
Chromium	0.0012	J cn	0.0021	0.00057	mg/L	1		6020B	Dissolved
Manganese	3.7	cn	0.0021	0.0013	mg/L	1		6020B	Dissolved
Nickel	0.0052	cn	0.0010	0.00041	mg/L	1		6020B	Dissolved

Client Sample ID: MW-73

Lab Sample ID: 410-286525-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	200		50	15	ug/L	50		8260D	Total/NA
cis-1,2-Dichloroethene	11000		50	15	ug/L	50		8260D	Total/NA
1,1,1-Trichloroethane	160	^c cn	50	15	ug/L	50		8260D	Total/NA
Vinyl chloride	91		50	15	ug/L	50		8260D	Total/NA
1,1-Dichloroethane	45	J	50	15	ug/L	50		8260D	Total/NA
1,1-Dichloroethene	52		50	15	ug/L	50		8260D	Total/NA
Trichloroethene - DL	28000		500	150	ug/L	500		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	140	cn	3.8	1.0	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	450	cn	1.9	0.57	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	250	cn	1.9	0.47	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	170	cn	1.9	0.76	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	180	cn	1.9	0.85	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	33	cn	1.9	0.47	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	0.91	J cn	1.9	0.47	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.1	J cn	1.9	0.47	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.4	J cn	1.9	0.76	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	6.5	cn	1.9	1.2	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	1.4	J cn	3.8	0.94	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	110	cn	3.8	0.94	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	4.1	cn	3.8	0.94	ng/L	1		1633A	Total/NA
Manganese	1.8	cn	0.0021	0.0013	mg/L	1		6020B	Dissolved
Nickel	0.0020	cn	0.0010	0.00041	mg/L	1		6020B	Dissolved

Client Sample ID: Field Blank 4

Lab Sample ID: 410-286525-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	40		20	0.70	ug/L	1		8260D	Total/NA
Methylene Chloride	0.49	J	1.0	0.30	ug/L	1		8260D	Total/NA
2-Butanone	2.3	J ^c cn	10	1.0	ug/L	1		8260D	Total/NA

Client Sample ID: Field Blank 5

Lab Sample ID: 410-286525-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	32		20	0.70	ug/L	1		8260D	Total/NA
Methylene Chloride	0.37	J	1.0	0.30	ug/L	1		8260D	Total/NA
2-Butanone	2.3	J ^c cn	10	1.0	ug/L	1		8260D	Total/NA

Client Sample ID: TB060326

Lab Sample ID: 410-286525-12

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: MW-2

Lab Sample ID: 410-286525-1

Date Collected: 06/03/26 12:00

Matrix: Water

Date Received: 06/03/26 17:05

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/16/26 11:58	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/16/26 11:58	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/16/26 11:58	1
Styrene	ND		5.0	0.30	ug/L			06/16/26 11:58	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/16/26 11:58	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/16/26 11:58	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/16/26 11:58	1
4-Methyl-2-pentanone	ND	^c	10	0.50	ug/L			06/16/26 11:58	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/16/26 11:58	1
Toluene	ND		1.0	0.30	ug/L			06/16/26 11:58	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/16/26 11:58	1
Cyclohexane	ND		5.0	1.0	ug/L			06/16/26 11:58	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/16/26 11:58	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/16/26 11:58	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/16/26 11:58	1
Tetrachloroethene	1.2		1.0	0.30	ug/L			06/16/26 11:58	1
cis-1,2-Dichloroethene	7.9		1.0	0.30	ug/L			06/16/26 11:58	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/16/26 11:58	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/16/26 11:58	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/16/26 11:58	1
Carbon tetrachloride	ND	^c	1.0	0.30	ug/L			06/16/26 11:58	1
2-Hexanone	ND	^c	10	0.85	ug/L			06/16/26 11:58	1
Acetone	1.4	J	20	0.70	ug/L			06/16/26 11:58	1
Chloroform	ND		1.0	0.30	ug/L			06/16/26 11:58	1
Benzene	ND		1.0	0.30	ug/L			06/16/26 11:58	1
1,1,1-Trichloroethane	2.0	^c FH	1.0	0.30	ug/L			06/16/26 11:58	1
Bromomethane	ND		1.0	0.30	ug/L			06/16/26 11:58	1
Chloromethane	ND	^c	2.0	0.55	ug/L			06/16/26 11:58	1
Chloroethane	ND		1.0	0.30	ug/L			06/16/26 11:58	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/16/26 11:58	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/16/26 11:58	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/16/26 11:58	1
Bromoform	ND		4.0	1.0	ug/L			06/16/26 11:58	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/16/26 11:58	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/16/26 11:58	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/16/26 11:58	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/16/26 11:58	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/16/26 11:58	1
Freon 113	ND	^c	10	0.30	ug/L			06/16/26 11:58	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/16/26 11:58	1
2-Butanone	ND	^c	10	1.0	ug/L			06/16/26 11:58	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/16/26 11:58	1
Trichloroethene	24	FL	1.0	0.30	ug/L			06/16/26 11:58	1
Methyl acetate	ND	^c	5.0	0.60	ug/L			06/16/26 11:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/16/26 11:58	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/16/26 11:58	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/16/26 11:58	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/16/26 11:58	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: MW-2

Lab Sample ID: 410-286525-1

Date Collected: 06/03/26 12:00

Matrix: Water

Date Received: 06/03/26 17:05

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		80 - 120		06/16/26 11:58	1
Dibromofluoromethane (Surr)	113		80 - 120		06/16/26 11:58	1
4-Bromofluorobenzene (Surr)	92		80 - 120		06/16/26 11:58	1
Toluene-d8 (Surr)	92		80 - 120		06/16/26 11:58	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/05/26 19:50	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20	0.10	mg/L			06/15/26 17:53	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	3.1	J	3.5	0.97	ng/L		06/15/26 08:18	06/15/26 18:22	1
Perfluoropentanoic acid (PFPeA)	4.6		1.8	0.53	ng/L		06/15/26 08:18	06/15/26 18:22	1
Perfluorohexanoic acid (PFHxA)	4.0		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 18:22	1
Perfluoroheptanoic acid (PFHpA)	2.7		1.8	0.70	ng/L		06/15/26 08:18	06/15/26 18:22	1
Perfluorooctanoic acid (PFOA)	3.0		1.8	0.79	ng/L		06/15/26 08:18	06/15/26 18:22	1
Perfluorononanoic acid (PFNA)	ND	cn	1.8	0.44	ng/L		06/15/26 08:18	06/15/26 18:22	1
Perfluorodecanoic acid (PFDA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 18:22	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 18:22	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 18:22	1
Perfluorotridecanoic acid (PFTriDA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 18:22	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 18:22	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 18:22	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 18:22	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.70	ng/L		06/15/26 08:18	06/15/26 18:22	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 18:22	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8	1.1	ng/L		06/15/26 08:18	06/15/26 18:22	1
Perfluorononanesulfonic acid (PFNS)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 18:22	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 18:22	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.53	ng/L		06/15/26 08:18	06/15/26 18:22	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.5	0.88	ng/L		06/15/26 08:18	06/15/26 18:22	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	1.1	J	3.5	0.88	ng/L		06/15/26 08:18	06/15/26 18:22	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.5	0.88	ng/L		06/15/26 08:18	06/15/26 18:22	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 18:22	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 18:22	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.8	0.97	ng/L		06/15/26 08:18	06/15/26 18:22	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 18:22	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 18:22	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: MW-2

Lab Sample ID: 410-286525-1

Date Collected: 06/03/26 12:00

Matrix: Water

Date Received: 06/03/26 17:05

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.8	3.5	ng/L		06/15/26 08:18	06/15/26 18:22	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.8	3.5	ng/L		06/15/26 08:18	06/15/26 18:22	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.8	1.2	ng/L		06/15/26 08:18	06/15/26 18:22	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 18:22	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 18:22	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 18:22	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 18:22	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 18:22	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 18:22	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 18:22	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.5	0.88	ng/L		06/15/26 08:18	06/15/26 18:22	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		8.8	2.5	ng/L		06/15/26 08:18	06/15/26 18:22	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.8	2.2	ng/L		06/15/26 08:18	06/15/26 18:22	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	95.4		5 - 130				06/15/26 08:18	06/15/26 18:22	1
13C5 PFPeA	88.3		40 - 130				06/15/26 08:18	06/15/26 18:22	1
13C5 PFHxA	89.5		40 - 130				06/15/26 08:18	06/15/26 18:22	1
13C4 PFHpA	85.8		40 - 130				06/15/26 08:18	06/15/26 18:22	1
13C8 PFOA	95.7		40 - 130				06/15/26 08:18	06/15/26 18:22	1
13C9 PFNA	88.4		40 - 130				06/15/26 08:18	06/15/26 18:22	1
13C6 PFDA	84.2		40 - 130				06/15/26 08:18	06/15/26 18:22	1
13C7 PFUnA	82.2		30 - 130				06/15/26 08:18	06/15/26 18:22	1
13C2 PFTeDA	74.1		10 - 130				06/15/26 08:18	06/15/26 18:22	1
13C3 PFBS	99.0		40 - 135				06/15/26 08:18	06/15/26 18:22	1
13C3 PFHxS	91.7		40 - 130				06/15/26 08:18	06/15/26 18:22	1
13C8 PFOS	84.8		40 - 130				06/15/26 08:18	06/15/26 18:22	1
13C8 FOSA	83.4		40 - 130				06/15/26 08:18	06/15/26 18:22	1
d3-NMeFOSAA	71.0		40 - 170				06/15/26 08:18	06/15/26 18:22	1
d5-NEtFOSAA	67.5		25 - 135				06/15/26 08:18	06/15/26 18:22	1
13C2 4:2 FTS	157		40 - 200				06/15/26 08:18	06/15/26 18:22	1
13C2 6:2 FTS	117		40 - 200				06/15/26 08:18	06/15/26 18:22	1
13C2 8:2 FTS	118		40 - 300				06/15/26 08:18	06/15/26 18:22	1
13C3 HFPO-DA	83.2		40 - 130				06/15/26 08:18	06/15/26 18:22	1
d7-N-MeFOSE-M	62.3		10 - 130				06/15/26 08:18	06/15/26 18:22	1
d9-N-EtFOSE-M	60.5		10 - 130				06/15/26 08:18	06/15/26 18:22	1
d5-NEtPFOSA	65.8		10 - 130				06/15/26 08:18	06/15/26 18:22	1
d3-NMePFOSA	68.0		10 - 130				06/15/26 08:18	06/15/26 18:22	1
13C2 PFDoA	84.4		10 - 130				06/15/26 08:18	06/15/26 18:22	1
13C3-3:3 FTCA	132		20 - 150				06/15/26 08:18	06/15/26 18:22	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: MW-2

Lab Sample ID: 410-286525-1

Date Collected: 06/03/26 12:00

Matrix: Water

Date Received: 06/03/26 17:05

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-5:3 FTCA	108		20 - 150	06/15/26 08:18	06/15/26 18:22	1
13C3-PFDoS	65.4		20 - 150	06/15/26 08:18	06/15/26 18:22	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND	cn	0.0021	0.00057	mg/L		06/17/26 01:20	06/17/26 09:58	1
Manganese	ND	cn	0.0021	0.0013	mg/L		06/17/26 01:20	06/17/26 09:58	1
Nickel	ND	cn	0.0010	0.00041	mg/L		06/17/26 01:20	06/17/26 09:58	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: MW-3

Lab Sample ID: 410-286525-2

Date Collected: 06/03/26 12:15

Matrix: Water

Date Received: 06/03/26 17:05

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/16/26 12:58	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/16/26 12:58	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/16/26 12:58	1
Styrene	ND		5.0	0.30	ug/L			06/16/26 12:58	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/16/26 12:58	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/16/26 12:58	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/16/26 12:58	1
4-Methyl-2-pentanone	ND	^c cn	10	0.50	ug/L			06/16/26 12:58	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/16/26 12:58	1
Toluene	ND		1.0	0.30	ug/L			06/16/26 12:58	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/16/26 12:58	1
Cyclohexane	ND		5.0	1.0	ug/L			06/16/26 12:58	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/16/26 12:58	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/16/26 12:58	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/16/26 12:58	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/16/26 12:58	1
cis-1,2-Dichloroethene	10		1.0	0.30	ug/L			06/16/26 12:58	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/16/26 12:58	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/16/26 12:58	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/16/26 12:58	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			06/16/26 12:58	1
2-Hexanone	ND	^c cn	10	0.85	ug/L			06/16/26 12:58	1
Acetone	2.5 J		20	0.70	ug/L			06/16/26 12:58	1
Chloroform	ND		1.0	0.30	ug/L			06/16/26 12:58	1
Benzene	ND		1.0	0.30	ug/L			06/16/26 12:58	1
1,1,1-Trichloroethane	ND	^c cn	1.0	0.30	ug/L			06/16/26 12:58	1
Bromomethane	ND		1.0	0.30	ug/L			06/16/26 12:58	1
Chloromethane	ND	^c	2.0	0.55	ug/L			06/16/26 12:58	1
Chloroethane	ND	cn	1.0	0.30	ug/L			06/16/26 12:58	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/16/26 12:58	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/16/26 12:58	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/16/26 12:58	1
Bromoform	ND		4.0	1.0	ug/L			06/16/26 12:58	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/16/26 12:58	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/16/26 12:58	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/16/26 12:58	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/16/26 12:58	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/16/26 12:58	1
Freon 113	ND	^c cn	10	0.30	ug/L			06/16/26 12:58	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/16/26 12:58	1
2-Butanone	ND	^c cn	10	1.0	ug/L			06/16/26 12:58	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/16/26 12:58	1
Trichloroethene	52		1.0	0.30	ug/L			06/16/26 12:58	1
Methyl acetate	ND	^c cn	5.0	0.60	ug/L			06/16/26 12:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/16/26 12:58	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/16/26 12:58	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/16/26 12:58	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/16/26 12:58	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: MW-3

Lab Sample ID: 410-286525-2

Date Collected: 06/03/26 12:15

Matrix: Water

Date Received: 06/03/26 17:05

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		80 - 120		06/16/26 12:58	1
Dibromofluoromethane (Surr)	113		80 - 120		06/16/26 12:58	1
4-Bromofluorobenzene (Surr)	94		80 - 120		06/16/26 12:58	1
Toluene-d8 (Surr)	91		80 - 120		06/16/26 12:58	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/04/26 09:32	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20	0.10	mg/L			06/16/26 00:39	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	6.5		3.5	0.95	ng/L		06/15/26 08:18	06/15/26 19:03	1
Perfluoropentanoic acid (PFPeA)	17		1.7	0.52	ng/L		06/15/26 08:18	06/15/26 19:03	1
Perfluorohexanoic acid (PFHxA)	11		1.7	0.43	ng/L		06/15/26 08:18	06/15/26 19:03	1
Perfluoroheptanoic acid (PFHpA)	7.5		1.7	0.69	ng/L		06/15/26 08:18	06/15/26 19:03	1
Perfluorooctanoic acid (PFOA)	6.1		1.7	0.78	ng/L		06/15/26 08:18	06/15/26 19:03	1
Perfluorononanoic acid (PFNA)	3.0		1.7	0.43	ng/L		06/15/26 08:18	06/15/26 19:03	1
Perfluorodecanoic acid (PFDA)	ND		1.7	0.43	ng/L		06/15/26 08:18	06/15/26 19:03	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.43	ng/L		06/15/26 08:18	06/15/26 19:03	1
Perfluorododecanoic acid (PFDoA)	ND		1.7	0.43	ng/L		06/15/26 08:18	06/15/26 19:03	1
Perfluorotridecanoic acid (PFTriDA)	ND		1.7	0.43	ng/L		06/15/26 08:18	06/15/26 19:03	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.7	0.43	ng/L		06/15/26 08:18	06/15/26 19:03	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.7	0.43	ng/L		06/15/26 08:18	06/15/26 19:03	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.7	0.43	ng/L		06/15/26 08:18	06/15/26 19:03	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.7	0.69	ng/L		06/15/26 08:18	06/15/26 19:03	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.7	0.43	ng/L		06/15/26 08:18	06/15/26 19:03	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.7	1.1	ng/L		06/15/26 08:18	06/15/26 19:03	1
Perfluorononanesulfonic acid (PFNS)	ND		1.7	0.43	ng/L		06/15/26 08:18	06/15/26 19:03	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.43	ng/L		06/15/26 08:18	06/15/26 19:03	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.7	0.52	ng/L		06/15/26 08:18	06/15/26 19:03	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.5	0.86	ng/L		06/15/26 08:18	06/15/26 19:03	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	2.6 J		3.5	0.86	ng/L		06/15/26 08:18	06/15/26 19:03	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.5	0.86	ng/L		06/15/26 08:18	06/15/26 19:03	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.7	0.43	ng/L		06/15/26 08:18	06/15/26 19:03	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.7	0.43	ng/L		06/15/26 08:18	06/15/26 19:03	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.7	0.95	ng/L		06/15/26 08:18	06/15/26 19:03	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.7	0.43	ng/L		06/15/26 08:18	06/15/26 19:03	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.7	0.43	ng/L		06/15/26 08:18	06/15/26 19:03	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: MW-3

Lab Sample ID: 410-286525-2

Date Collected: 06/03/26 12:15

Matrix: Water

Date Received: 06/03/26 17:05

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.6	3.5	ng/L		06/15/26 08:18	06/15/26 19:03	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.6	3.5	ng/L		06/15/26 08:18	06/15/26 19:03	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.7	1.2	ng/L		06/15/26 08:18	06/15/26 19:03	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.7	0.43	ng/L		06/15/26 08:18	06/15/26 19:03	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.7	0.43	ng/L		06/15/26 08:18	06/15/26 19:03	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.7	0.43	ng/L		06/15/26 08:18	06/15/26 19:03	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.7	0.43	ng/L		06/15/26 08:18	06/15/26 19:03	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		1.7	0.43	ng/L		06/15/26 08:18	06/15/26 19:03	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.7	0.43	ng/L		06/15/26 08:18	06/15/26 19:03	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.7	0.43	ng/L		06/15/26 08:18	06/15/26 19:03	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.5	0.86	ng/L		06/15/26 08:18	06/15/26 19:03	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		8.6	2.4	ng/L		06/15/26 08:18	06/15/26 19:03	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.6	2.2	ng/L		06/15/26 08:18	06/15/26 19:03	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	100		5 - 130				06/15/26 08:18	06/15/26 19:03	1
13C5 PFPeA	91.8		40 - 130				06/15/26 08:18	06/15/26 19:03	1
13C5 PFHxA	91.0		40 - 130				06/15/26 08:18	06/15/26 19:03	1
13C4 PFHpA	93.1		40 - 130				06/15/26 08:18	06/15/26 19:03	1
13C8 PFOA	92.7		40 - 130				06/15/26 08:18	06/15/26 19:03	1
13C9 PFNA	87.6		40 - 130				06/15/26 08:18	06/15/26 19:03	1
13C6 PFDA	80.7		40 - 130				06/15/26 08:18	06/15/26 19:03	1
13C7 PFUnA	75.2		30 - 130				06/15/26 08:18	06/15/26 19:03	1
13C2 PFTeDA	63.5		10 - 130				06/15/26 08:18	06/15/26 19:03	1
13C3 PFBS	98.1		40 - 135				06/15/26 08:18	06/15/26 19:03	1
13C3 PFHxS	89.0		40 - 130				06/15/26 08:18	06/15/26 19:03	1
13C8 PFOS	80.9		40 - 130				06/15/26 08:18	06/15/26 19:03	1
13C8 FOSA	75.9		40 - 130				06/15/26 08:18	06/15/26 19:03	1
d3-NMeFOSAA	62.4		40 - 170				06/15/26 08:18	06/15/26 19:03	1
d5-NEtFOSAA	61.9		25 - 135				06/15/26 08:18	06/15/26 19:03	1
13C2 4:2 FTS	130		40 - 200				06/15/26 08:18	06/15/26 19:03	1
13C2 6:2 FTS	89.5		40 - 200				06/15/26 08:18	06/15/26 19:03	1
13C2 8:2 FTS	99.2		40 - 300				06/15/26 08:18	06/15/26 19:03	1
13C3 HFPO-DA	84.1		40 - 130				06/15/26 08:18	06/15/26 19:03	1
d7-N-MeFOSE-M	56.1		10 - 130				06/15/26 08:18	06/15/26 19:03	1
d9-N-EtFOSE-M	48.2		10 - 130				06/15/26 08:18	06/15/26 19:03	1
d5-NEtPFOSA	61.7		10 - 130				06/15/26 08:18	06/15/26 19:03	1
d3-NMePFOSA	64.7		10 - 130				06/15/26 08:18	06/15/26 19:03	1
13C2 PFDoA	73.6		10 - 130				06/15/26 08:18	06/15/26 19:03	1
13C3-3:3 FTCA	125		20 - 150				06/15/26 08:18	06/15/26 19:03	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: MW-3

Lab Sample ID: 410-286525-2

Date Collected: 06/03/26 12:15

Matrix: Water

Date Received: 06/03/26 17:05

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-5:3 FTCA	107		20 - 150	06/15/26 08:18	06/15/26 19:03	1
13C3-PFDoS	59.0		20 - 150	06/15/26 08:18	06/15/26 19:03	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND	cn	0.0021	0.00057	mg/L		06/09/26 15:20	06/10/26 19:37	1
Manganese	0.0020	J cn	0.0021	0.0013	mg/L		06/09/26 15:20	06/10/26 19:37	1
Nickel	0.00057	J cn	0.0010	0.00041	mg/L		06/09/26 15:20	06/10/26 19:37	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: MW-25A

Lab Sample ID: 410-286525-3

Date Collected: 06/03/26 12:45

Matrix: Water

Date Received: 06/03/26 17:05

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/16/26 13:19	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/16/26 13:19	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/16/26 13:19	1
Styrene	ND		5.0	0.30	ug/L			06/16/26 13:19	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/16/26 13:19	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/16/26 13:19	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/16/26 13:19	1
4-Methyl-2-pentanone	ND	^c cn	10	0.50	ug/L			06/16/26 13:19	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/16/26 13:19	1
Toluene	ND		1.0	0.30	ug/L			06/16/26 13:19	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/16/26 13:19	1
Cyclohexane	ND		5.0	1.0	ug/L			06/16/26 13:19	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/16/26 13:19	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/16/26 13:19	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/16/26 13:19	1
Tetrachloroethene	1.1		1.0	0.30	ug/L			06/16/26 13:19	1
cis-1,2-Dichloroethene	110		1.0	0.30	ug/L			06/16/26 13:19	1
trans-1,2-Dichloroethene	2.2		2.0	0.70	ug/L			06/16/26 13:19	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/16/26 13:19	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/16/26 13:19	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			06/16/26 13:19	1
2-Hexanone	ND	^c cn	10	0.85	ug/L			06/16/26 13:19	1
Acetone	2.1 J		20	0.70	ug/L			06/16/26 13:19	1
Chloroform	ND		1.0	0.30	ug/L			06/16/26 13:19	1
Benzene	ND		1.0	0.30	ug/L			06/16/26 13:19	1
1,1,1-Trichloroethane	12	^c cn	1.0	0.30	ug/L			06/16/26 13:19	1
Bromomethane	ND		1.0	0.30	ug/L			06/16/26 13:19	1
Chloromethane	ND	^c	2.0	0.55	ug/L			06/16/26 13:19	1
Chloroethane	ND	cn	1.0	0.30	ug/L			06/16/26 13:19	1
Vinyl chloride	0.71 J		1.0	0.30	ug/L			06/16/26 13:19	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/16/26 13:19	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/16/26 13:19	1
Bromoform	ND		4.0	1.0	ug/L			06/16/26 13:19	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/16/26 13:19	1
1,1-Dichloroethane	5.2		1.0	0.30	ug/L			06/16/26 13:19	1
1,1-Dichloroethene	3.1		1.0	0.30	ug/L			06/16/26 13:19	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/16/26 13:19	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/16/26 13:19	1
Freon 113	ND	^c cn	10	0.30	ug/L			06/16/26 13:19	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/16/26 13:19	1
2-Butanone	ND	^c cn	10	1.0	ug/L			06/16/26 13:19	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/16/26 13:19	1
Trichloroethene	270		1.0	0.30	ug/L			06/16/26 13:19	1
Methyl acetate	ND	^c cn	5.0	0.60	ug/L			06/16/26 13:19	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/16/26 13:19	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/16/26 13:19	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/16/26 13:19	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/16/26 13:19	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: MW-25A

Lab Sample ID: 410-286525-3

Date Collected: 06/03/26 12:45

Matrix: Water

Date Received: 06/03/26 17:05

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		80 - 120		06/16/26 13:19	1
Dibromofluoromethane (Surr)	114		80 - 120		06/16/26 13:19	1
4-Bromofluorobenzene (Surr)	91		80 - 120		06/16/26 13:19	1
Toluene-d8 (Surr)	94		80 - 120		06/16/26 13:19	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/04/26 09:40	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.25		0.20	0.10	mg/L			06/15/26 19:08	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	26		3.5	0.96	ng/L		06/15/26 08:18	06/15/26 19:16	1
Perfluoropentanoic acid (PFPeA)	57		1.7	0.52	ng/L		06/15/26 08:18	06/15/26 19:16	1
Perfluorohexanoic acid (PFHxA)	35		1.7	0.44	ng/L		06/15/26 08:18	06/15/26 19:16	1
Perfluoroheptanoic acid (PFHpA)	27		1.7	0.70	ng/L		06/15/26 08:18	06/15/26 19:16	1
Perfluorooctanoic acid (PFOA)	27		1.7	0.79	ng/L		06/15/26 08:18	06/15/26 19:16	1
Perfluorononanoic acid (PFNA)	11		1.7	0.44	ng/L		06/15/26 08:18	06/15/26 19:16	1
Perfluorodecanoic acid (PFDA)	0.84 J		1.7	0.44	ng/L		06/15/26 08:18	06/15/26 19:16	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.44	ng/L		06/15/26 08:18	06/15/26 19:16	1
Perfluorododecanoic acid (PFDoA)	ND		1.7	0.44	ng/L		06/15/26 08:18	06/15/26 19:16	1
Perfluorotridecanoic acid (PFTriDA)	ND		1.7	0.44	ng/L		06/15/26 08:18	06/15/26 19:16	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.7	0.44	ng/L		06/15/26 08:18	06/15/26 19:16	1
Perfluorobutanesulfonic acid (PFBS)	1.0 J		1.7	0.44	ng/L		06/15/26 08:18	06/15/26 19:16	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.7	0.44	ng/L		06/15/26 08:18	06/15/26 19:16	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.7	0.70	ng/L		06/15/26 08:18	06/15/26 19:16	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.7	0.44	ng/L		06/15/26 08:18	06/15/26 19:16	1
Perfluorooctanesulfonic acid (PFOS)	3.4		1.7	1.1	ng/L		06/15/26 08:18	06/15/26 19:16	1
Perfluorononanesulfonic acid (PFNS)	ND		1.7	0.44	ng/L		06/15/26 08:18	06/15/26 19:16	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.44	ng/L		06/15/26 08:18	06/15/26 19:16	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.7	0.52	ng/L		06/15/26 08:18	06/15/26 19:16	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.5	0.87	ng/L		06/15/26 08:18	06/15/26 19:16	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	31		3.5	0.87	ng/L		06/15/26 08:18	06/15/26 19:16	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	4.5		3.5	0.87	ng/L		06/15/26 08:18	06/15/26 19:16	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.7	0.44	ng/L		06/15/26 08:18	06/15/26 19:16	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.7	0.44	ng/L		06/15/26 08:18	06/15/26 19:16	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.7	0.96	ng/L		06/15/26 08:18	06/15/26 19:16	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.7	0.44	ng/L		06/15/26 08:18	06/15/26 19:16	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.7	0.44	ng/L		06/15/26 08:18	06/15/26 19:16	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: MW-25A

Lab Sample ID: 410-286525-3

Date Collected: 06/03/26 12:45

Matrix: Water

Date Received: 06/03/26 17:05

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.7	3.5	ng/L		06/15/26 08:18	06/15/26 19:16	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.7	3.5	ng/L		06/15/26 08:18	06/15/26 19:16	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.7	1.2	ng/L		06/15/26 08:18	06/15/26 19:16	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.7	0.44	ng/L		06/15/26 08:18	06/15/26 19:16	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.7	0.44	ng/L		06/15/26 08:18	06/15/26 19:16	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.7	0.44	ng/L		06/15/26 08:18	06/15/26 19:16	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.7	0.44	ng/L		06/15/26 08:18	06/15/26 19:16	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		1.7	0.44	ng/L		06/15/26 08:18	06/15/26 19:16	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.7	0.44	ng/L		06/15/26 08:18	06/15/26 19:16	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.7	0.44	ng/L		06/15/26 08:18	06/15/26 19:16	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.5	0.87	ng/L		06/15/26 08:18	06/15/26 19:16	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		8.7	2.4	ng/L		06/15/26 08:18	06/15/26 19:16	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.7	2.2	ng/L		06/15/26 08:18	06/15/26 19:16	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	96.2		5 - 130	06/15/26 08:18	06/15/26 19:16	1
13C5 PFPeA	91.2		40 - 130	06/15/26 08:18	06/15/26 19:16	1
13C5 PFHxA	90.9		40 - 130	06/15/26 08:18	06/15/26 19:16	1
13C4 PFHpA	87.6		40 - 130	06/15/26 08:18	06/15/26 19:16	1
13C8 PFOA	89.9		40 - 130	06/15/26 08:18	06/15/26 19:16	1
13C9 PFNA	88.2		40 - 130	06/15/26 08:18	06/15/26 19:16	1
13C6 PFDA	77.9		40 - 130	06/15/26 08:18	06/15/26 19:16	1
13C7 PFUnA	73.4		30 - 130	06/15/26 08:18	06/15/26 19:16	1
13C2 PFTeDA	58.1		10 - 130	06/15/26 08:18	06/15/26 19:16	1
13C3 PFBS	91.9		40 - 135	06/15/26 08:18	06/15/26 19:16	1
13C3 PFHxS	88.4		40 - 130	06/15/26 08:18	06/15/26 19:16	1
13C8 PFOS	81.3		40 - 130	06/15/26 08:18	06/15/26 19:16	1
13C8 FOSA	74.5		40 - 130	06/15/26 08:18	06/15/26 19:16	1
d3-NMeFOSAA	66.5		40 - 170	06/15/26 08:18	06/15/26 19:16	1
d5-NEtFOSAA	61.7		25 - 135	06/15/26 08:18	06/15/26 19:16	1
13C2 4:2 FTS	112		40 - 200	06/15/26 08:18	06/15/26 19:16	1
13C2 6:2 FTS	84.9		40 - 200	06/15/26 08:18	06/15/26 19:16	1
13C2 8:2 FTS	98.9		40 - 300	06/15/26 08:18	06/15/26 19:16	1
13C3 HFPO-DA	84.9		40 - 130	06/15/26 08:18	06/15/26 19:16	1
d7-N-MeFOSE-M	44.3		10 - 130	06/15/26 08:18	06/15/26 19:16	1
d9-N-EtFOSE-M	36.4		10 - 130	06/15/26 08:18	06/15/26 19:16	1
d5-NEtPFOSA	59.5		10 - 130	06/15/26 08:18	06/15/26 19:16	1
d3-NMePFOSA	62.1		10 - 130	06/15/26 08:18	06/15/26 19:16	1
13C2 PFDaA	73.8		10 - 130	06/15/26 08:18	06/15/26 19:16	1
13C3-3:3 FTCA	133		20 - 150	06/15/26 08:18	06/15/26 19:16	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: MW-25A

Lab Sample ID: 410-286525-3

Date Collected: 06/03/26 12:45

Matrix: Water

Date Received: 06/03/26 17:05

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-5:3 FTCA	105		20 - 150	06/15/26 08:18	06/15/26 19:16	1
13C3-PFDoS	57.3		20 - 150	06/15/26 08:18	06/15/26 19:16	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.00078	J cn	0.0021	0.00057	mg/L		06/09/26 15:20	06/10/26 19:35	1
Manganese	0.025	cn	0.0021	0.0013	mg/L		06/09/26 15:20	06/10/26 19:35	1
Nickel	0.0029	cn	0.0010	0.00041	mg/L		06/09/26 15:20	06/10/26 19:35	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: MW-25B

Lab Sample ID: 410-286525-4

Date Collected: 06/03/26 13:00

Matrix: Water

Date Received: 06/03/26 17:05

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		5.0	2.5	ug/L			06/16/26 16:23	5
trans-1,3-Dichloropropene	ND		5.0	1.0	ug/L			06/16/26 16:23	5
Ethylbenzene	ND		5.0	2.0	ug/L			06/16/26 16:23	5
Styrene	ND		25	1.5	ug/L			06/16/26 16:23	5
1,4-Dichlorobenzene	ND		25	1.5	ug/L			06/16/26 16:23	5
1,2-Dibromoethane	ND		5.0	1.0	ug/L			06/16/26 16:23	5
1,2-Dichloroethane	3.9	J	5.0	1.5	ug/L			06/16/26 16:23	5
4-Methyl-2-pentanone	ND	^c cn	50	2.5	ug/L			06/16/26 16:23	5
Methylcyclohexane	ND		25	2.5	ug/L			06/16/26 16:23	5
Toluene	3.6	J	5.0	1.5	ug/L			06/16/26 16:23	5
Chlorobenzene	18		5.0	1.5	ug/L			06/16/26 16:23	5
Cyclohexane	ND		25	5.0	ug/L			06/16/26 16:23	5
1,2,4-Trichlorobenzene	ND		25	1.5	ug/L			06/16/26 16:23	5
Dibromochloromethane	ND		5.0	1.0	ug/L			06/16/26 16:23	5
Xylenes, Total	ND		5.0	2.0	ug/L			06/16/26 16:23	5
Tetrachloroethene	4.9	J	5.0	1.5	ug/L			06/16/26 16:23	5
trans-1,2-Dichloroethene	270		10	3.5	ug/L			06/16/26 16:23	5
Methyl tertiary butyl ether	95		5.0	1.0	ug/L			06/16/26 16:23	5
1,3-Dichlorobenzene	ND		25	3.4	ug/L			06/16/26 16:23	5
Carbon tetrachloride	ND	^c cn	5.0	1.5	ug/L			06/16/26 16:23	5
2-Hexanone	ND	^c cn	50	4.3	ug/L			06/16/26 16:23	5
Acetone	ND		100	3.5	ug/L			06/16/26 16:23	5
Chloroform	ND		5.0	1.5	ug/L			06/16/26 16:23	5
Benzene	6.8		5.0	1.5	ug/L			06/16/26 16:23	5
1,1,1-Trichloroethane	150	^c cn	5.0	1.5	ug/L			06/16/26 16:23	5
Bromomethane	ND		5.0	1.5	ug/L			06/16/26 16:23	5
Chloromethane	ND	^c	10	2.8	ug/L			06/16/26 16:23	5
Chloroethane	ND	cn	5.0	1.5	ug/L			06/16/26 16:23	5
Vinyl chloride	510		5.0	1.5	ug/L			06/16/26 16:23	5
Methylene Chloride	ND		5.0	1.5	ug/L			06/16/26 16:23	5
Carbon disulfide	ND		25	1.5	ug/L			06/16/26 16:23	5
Bromoform	ND		20	5.0	ug/L			06/16/26 16:23	5
Bromodichloromethane	ND		5.0	1.0	ug/L			06/16/26 16:23	5
1,1-Dichloroethene	570		5.0	1.5	ug/L			06/16/26 16:23	5
Trichlorofluoromethane	ND		5.0	1.5	ug/L			06/16/26 16:23	5
Dichlorodifluoromethane	ND		5.0	1.5	ug/L			06/16/26 16:23	5
Freon 113	ND	^c cn	50	1.5	ug/L			06/16/26 16:23	5
1,2-Dichloropropane	ND		5.0	1.5	ug/L			06/16/26 16:23	5
2-Butanone	ND	^c cn	50	5.0	ug/L			06/16/26 16:23	5
1,1,2-Trichloroethane	1.7	J	5.0	1.5	ug/L			06/16/26 16:23	5
Methyl acetate	ND	^c cn	25	3.0	ug/L			06/16/26 16:23	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/L			06/16/26 16:23	5
1,2-Dichlorobenzene	ND		25	1.0	ug/L			06/16/26 16:23	5
1,2-Dibromo-3-Chloropropane	ND		25	1.5	ug/L			06/16/26 16:23	5
Isopropylbenzene	ND		25	1.5	ug/L			06/16/26 16:23	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		80 - 120		06/16/26 16:23	5
Dibromofluoromethane (Surr)	112		80 - 120		06/16/26 16:23	5
4-Bromofluorobenzene (Surr)	92		80 - 120		06/16/26 16:23	5

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: MW-25B

Lab Sample ID: 410-286525-4

Date Collected: 06/03/26 13:00

Matrix: Water

Date Received: 06/03/26 17:05

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	92		80 - 120		06/16/26 16:23	5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	2000		50	15	ug/L			06/16/26 16:44	50
Trichloroethene	5700		50	15	ug/L			06/16/26 16:44	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		06/16/26 16:44	50
Dibromofluoromethane (Surr)	115		80 - 120		06/16/26 16:44	50
4-Bromofluorobenzene (Surr)	92		80 - 120		06/16/26 16:44	50
Toluene-d8 (Surr)	94		80 - 120		06/16/26 16:44	50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	39000		500	150	ug/L			06/17/26 13:52	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		06/17/26 13:52	500
Dibromofluoromethane (Surr)	105		80 - 120		06/17/26 13:52	500
4-Bromofluorobenzene (Surr)	104		80 - 120		06/17/26 13:52	500
Toluene-d8 (Surr)	100		80 - 120		06/17/26 13:52	500

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/04/26 12:27	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.26		0.20	0.10	mg/L			06/15/26 19:32	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	67		3.5	0.97	ng/L		06/15/26 08:18	06/15/26 19:30	1
Perfluoropentanoic acid (PFPeA)	210		1.8	0.53	ng/L		06/15/26 08:18	06/15/26 19:30	1
Perfluorohexanoic acid (PFHxA)	160		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 19:30	1
Perfluoroheptanoic acid (PFHpA)	84		1.8	0.71	ng/L		06/15/26 08:18	06/15/26 19:30	1
Perfluorooctanoic acid (PFOA)	70		1.8	0.80	ng/L		06/15/26 08:18	06/15/26 19:30	1
Perfluorononanoic acid (PFNA)	14		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 19:30	1
Perfluorodecanoic acid (PFDA)	ND	cn	1.8	0.44	ng/L		06/15/26 08:18	06/15/26 19:30	1
Perfluoroundecanoic acid (PFUnA)	1.0	J	1.8	0.44	ng/L		06/15/26 08:18	06/15/26 19:30	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 19:30	1
Perfluorotridecanoic acid (PFTriDA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 19:30	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 19:30	1
Perfluorobutanesulfonic acid (PFBS)	0.50	J	1.8	0.44	ng/L		06/15/26 08:18	06/15/26 19:30	1
Perfluoropentanesulfonic acid (PFPeS)	ND	cn	1.8	0.44	ng/L		06/15/26 08:18	06/15/26 19:30	1
Perfluorohexanesulfonic acid (PFHxS)	3.8		1.8	0.71	ng/L		06/15/26 08:18	06/15/26 19:30	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: MW-25B

Lab Sample ID: 410-286525-4

Date Collected: 06/03/26 13:00

Matrix: Water

Date Received: 06/03/26 17:05

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 19:30	1
Perfluorooctanesulfonic acid (PFOS)	2.2		1.8	1.1	ng/L		06/15/26 08:18	06/15/26 19:30	1
Perfluorononanesulfonic acid (PFNS)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 19:30	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 19:30	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.53	ng/L		06/15/26 08:18	06/15/26 19:30	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	17		3.5	0.88	ng/L		06/15/26 08:18	06/15/26 19:30	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	300		3.5	0.88	ng/L		06/15/26 08:18	06/15/26 19:30	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	3.7		3.5	0.88	ng/L		06/15/26 08:18	06/15/26 19:30	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 19:30	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 19:30	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.8	0.97	ng/L		06/15/26 08:18	06/15/26 19:30	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 19:30	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 19:30	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.8	3.5	ng/L		06/15/26 08:18	06/15/26 19:30	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.8	3.5	ng/L		06/15/26 08:18	06/15/26 19:30	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.8	1.2	ng/L		06/15/26 08:18	06/15/26 19:30	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 19:30	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 19:30	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 19:30	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 19:30	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 19:30	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 19:30	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 19:30	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	1.8 J		3.5	0.88	ng/L		06/15/26 08:18	06/15/26 19:30	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.6 J		8.8	2.5	ng/L		06/15/26 08:18	06/15/26 19:30	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.8	2.2	ng/L		06/15/26 08:18	06/15/26 19:30	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	97.5		5 - 130				06/15/26 08:18	06/15/26 19:30	1
13C5 PFPeA	94.1		40 - 130				06/15/26 08:18	06/15/26 19:30	1
13C5 PFHxA	94.9		40 - 130				06/15/26 08:18	06/15/26 19:30	1
13C4 PFHpA	90.9		40 - 130				06/15/26 08:18	06/15/26 19:30	1
13C8 PFOA	91.9		40 - 130				06/15/26 08:18	06/15/26 19:30	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: MW-25B

Lab Sample ID: 410-286525-4

Date Collected: 06/03/26 13:00

Matrix: Water

Date Received: 06/03/26 17:05

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C9 PFNA	91.8		40 - 130	06/15/26 08:18	06/15/26 19:30	1
13C6 PFDA	85.2		40 - 130	06/15/26 08:18	06/15/26 19:30	1
13C7 PFUnA	80.3		30 - 130	06/15/26 08:18	06/15/26 19:30	1
13C2 PFTeDA	68.0		10 - 130	06/15/26 08:18	06/15/26 19:30	1
13C3 PFBS	93.8		40 - 135	06/15/26 08:18	06/15/26 19:30	1
13C3 PFHxS	90.0		40 - 130	06/15/26 08:18	06/15/26 19:30	1
13C8 PFOS	83.8		40 - 130	06/15/26 08:18	06/15/26 19:30	1
13C8 FOSA	80.5		40 - 130	06/15/26 08:18	06/15/26 19:30	1
d3-NMeFOSAA	78.3		40 - 170	06/15/26 08:18	06/15/26 19:30	1
d5-NEtFOSAA	69.6		25 - 135	06/15/26 08:18	06/15/26 19:30	1
13C2 4:2 FTS	120		40 - 200	06/15/26 08:18	06/15/26 19:30	1
13C2 6:2 FTS	91.5		40 - 200	06/15/26 08:18	06/15/26 19:30	1
13C2 8:2 FTS	95.0		40 - 300	06/15/26 08:18	06/15/26 19:30	1
13C3 HFPO-DA	87.2		40 - 130	06/15/26 08:18	06/15/26 19:30	1
d7-N-MeFOSE-M	48.6		10 - 130	06/15/26 08:18	06/15/26 19:30	1
d9-N-EtFOSE-M	42.9		10 - 130	06/15/26 08:18	06/15/26 19:30	1
d5-NEtPFOSA	66.9		10 - 130	06/15/26 08:18	06/15/26 19:30	1
d3-NMePFOSA	67.1		10 - 130	06/15/26 08:18	06/15/26 19:30	1
13C2 PFDoA	80.2		10 - 130	06/15/26 08:18	06/15/26 19:30	1
13C3-3:3 FTCA	129		20 - 150	06/15/26 08:18	06/15/26 19:30	1
13C3-5:3 FTCA	109		20 - 150	06/15/26 08:18	06/15/26 19:30	1
13C3-PFDoS	63.9		20 - 150	06/15/26 08:18	06/15/26 19:30	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.00078	J cn	0.0021	0.00057	mg/L		06/09/26 15:20	06/10/26 19:33	1
Manganese	0.080	cn	0.0021	0.0013	mg/L		06/09/26 15:20	06/10/26 19:33	1
Nickel	0.0042	cn	0.0010	0.00041	mg/L		06/09/26 15:20	06/10/26 19:33	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: MW-25C

Lab Sample ID: 410-286525-5

Date Collected: 06/03/26 13:15

Matrix: Water

Date Received: 06/03/26 17:05

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/16/26 13:39	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/16/26 13:39	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/16/26 13:39	1
Styrene	ND		5.0	0.30	ug/L			06/16/26 13:39	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/16/26 13:39	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/16/26 13:39	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/16/26 13:39	1
4-Methyl-2-pentanone	ND	^c cn	10	0.50	ug/L			06/16/26 13:39	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/16/26 13:39	1
Toluene	0.32	J	1.0	0.30	ug/L			06/16/26 13:39	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/16/26 13:39	1
Cyclohexane	ND		5.0	1.0	ug/L			06/16/26 13:39	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/16/26 13:39	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/16/26 13:39	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/16/26 13:39	1
Tetrachloroethene	2.0		1.0	0.30	ug/L			06/16/26 13:39	1
trans-1,2-Dichloroethene	41		2.0	0.70	ug/L			06/16/26 13:39	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/16/26 13:39	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/16/26 13:39	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			06/16/26 13:39	1
2-Hexanone	ND	^c cn	10	0.85	ug/L			06/16/26 13:39	1
Acetone	ND		20	0.70	ug/L			06/16/26 13:39	1
Chloroform	ND		1.0	0.30	ug/L			06/16/26 13:39	1
Benzene	ND		1.0	0.30	ug/L			06/16/26 13:39	1
1,1,1-Trichloroethane	38	^c cn	1.0	0.30	ug/L			06/16/26 13:39	1
Bromomethane	ND		1.0	0.30	ug/L			06/16/26 13:39	1
Chloromethane	ND	^c	2.0	0.55	ug/L			06/16/26 13:39	1
Chloroethane	ND	cn	1.0	0.30	ug/L			06/16/26 13:39	1
Vinyl chloride	20		1.0	0.30	ug/L			06/16/26 13:39	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/16/26 13:39	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/16/26 13:39	1
Bromoform	ND		4.0	1.0	ug/L			06/16/26 13:39	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/16/26 13:39	1
1,1-Dichloroethane	37		1.0	0.30	ug/L			06/16/26 13:39	1
1,1-Dichloroethene	42		1.0	0.30	ug/L			06/16/26 13:39	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/16/26 13:39	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/16/26 13:39	1
Freon 113	ND	^c cn	10	0.30	ug/L			06/16/26 13:39	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/16/26 13:39	1
2-Butanone	ND	^c cn	10	1.0	ug/L			06/16/26 13:39	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/16/26 13:39	1
Methyl acetate	ND	^c cn	5.0	0.60	ug/L			06/16/26 13:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/16/26 13:39	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/16/26 13:39	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/16/26 13:39	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/16/26 13:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120					06/16/26 13:39	1
Dibromofluoromethane (Surr)	112		80 - 120					06/16/26 13:39	1

Eurolins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: MW-25C

Lab Sample ID: 410-286525-5

Date Collected: 06/03/26 13:15

Matrix: Water

Date Received: 06/03/26 17:05

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		80 - 120		06/16/26 13:39	1
Toluene-d8 (Surr)	91		80 - 120		06/16/26 13:39	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	1300		10	3.0	ug/L			06/17/26 14:14	10
Trichloroethene	860		10	3.0	ug/L			06/17/26 14:14	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		06/17/26 14:14	10
Dibromofluoromethane (Surr)	103		80 - 120		06/17/26 14:14	10
4-Bromofluorobenzene (Surr)	102		80 - 120		06/17/26 14:14	10
Toluene-d8 (Surr)	101		80 - 120		06/17/26 14:14	10

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/04/26 10:03	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.18	J	0.20	0.10	mg/L			06/15/26 20:22	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	10		3.5	0.98	ng/L		06/15/26 08:18	06/15/26 19:43	1
Perfluoropentanoic acid (PFPeA)	18		1.8	0.53	ng/L		06/15/26 08:18	06/15/26 19:43	1
Perfluorohexanoic acid (PFHxA)	9.9		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 19:43	1
Perfluoroheptanoic acid (PFHpA)	8.1		1.8	0.71	ng/L		06/15/26 08:18	06/15/26 19:43	1
Perfluorooctanoic acid (PFOA)	8.0		1.8	0.80	ng/L		06/15/26 08:18	06/15/26 19:43	1
Perfluorononanoic acid (PFNA)	2.6		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 19:43	1
Perfluorodecanoic acid (PFDA)	0.70	J	1.8	0.44	ng/L		06/15/26 08:18	06/15/26 19:43	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 19:43	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 19:43	1
Perfluorotridecanoic acid (PFTTrDA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 19:43	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 19:43	1
Perfluorobutanesulfonic acid (PFBS)	0.71	J	1.8	0.44	ng/L		06/15/26 08:18	06/15/26 19:43	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 19:43	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.71	ng/L		06/15/26 08:18	06/15/26 19:43	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 19:43	1
Perfluorooctanesulfonic acid (PFOS)	1.8		1.8	1.2	ng/L		06/15/26 08:18	06/15/26 19:43	1
Perfluorononanesulfonic acid (PFNS)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 19:43	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 19:43	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.53	ng/L		06/15/26 08:18	06/15/26 19:43	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.5	0.89	ng/L		06/15/26 08:18	06/15/26 19:43	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	1.6	J	3.5	0.89	ng/L		06/15/26 08:18	06/15/26 19:43	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: MW-25C

Lab Sample ID: 410-286525-5

Date Collected: 06/03/26 13:15

Matrix: Water

Date Received: 06/03/26 17:05

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.5	0.89	ng/L		06/15/26 08:18	06/15/26 19:43	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 19:43	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 19:43	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.8	0.98	ng/L		06/15/26 08:18	06/15/26 19:43	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 19:43	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 19:43	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.9	3.5	ng/L		06/15/26 08:18	06/15/26 19:43	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.9	3.5	ng/L		06/15/26 08:18	06/15/26 19:43	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.8	1.2	ng/L		06/15/26 08:18	06/15/26 19:43	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 19:43	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 19:43	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 19:43	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 19:43	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 19:43	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 19:43	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 19:43	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.5	0.89	ng/L		06/15/26 08:18	06/15/26 19:43	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		8.9	2.5	ng/L		06/15/26 08:18	06/15/26 19:43	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.9	2.2	ng/L		06/15/26 08:18	06/15/26 19:43	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	97.7		5 - 130	06/15/26 08:18	06/15/26 19:43	1
13C5 PFPeA	92.7		40 - 130	06/15/26 08:18	06/15/26 19:43	1
13C5 PFHxA	92.1		40 - 130	06/15/26 08:18	06/15/26 19:43	1
13C4 PFHpA	87.7		40 - 130	06/15/26 08:18	06/15/26 19:43	1
13C8 PFOA	89.8		40 - 130	06/15/26 08:18	06/15/26 19:43	1
13C9 PFNA	86.7		40 - 130	06/15/26 08:18	06/15/26 19:43	1
13C6 PFDA	81.2		40 - 130	06/15/26 08:18	06/15/26 19:43	1
13C7 PFUnA	77.9		30 - 130	06/15/26 08:18	06/15/26 19:43	1
13C2 PFTeDA	66.5		10 - 130	06/15/26 08:18	06/15/26 19:43	1
13C3 PFBS	91.4		40 - 135	06/15/26 08:18	06/15/26 19:43	1
13C3 PFHxS	84.3		40 - 130	06/15/26 08:18	06/15/26 19:43	1
13C8 PFOS	85.9		40 - 130	06/15/26 08:18	06/15/26 19:43	1
13C8 FOSA	78.9		40 - 130	06/15/26 08:18	06/15/26 19:43	1
d3-NMeFOSAA	63.1		40 - 170	06/15/26 08:18	06/15/26 19:43	1
d5-NEtFOSAA	57.8		25 - 135	06/15/26 08:18	06/15/26 19:43	1
13C2 4:2 FTS	86.9		40 - 200	06/15/26 08:18	06/15/26 19:43	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: MW-25C

Lab Sample ID: 410-286525-5

Date Collected: 06/03/26 13:15

Matrix: Water

Date Received: 06/03/26 17:05

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 6:2 FTS	80.5		40 - 200	06/15/26 08:18	06/15/26 19:43	1
13C2 8:2 FTS	90.3		40 - 300	06/15/26 08:18	06/15/26 19:43	1
13C3 HFPO-DA	80.3		40 - 130	06/15/26 08:18	06/15/26 19:43	1
d7-N-MeFOSE-M	48.8		10 - 130	06/15/26 08:18	06/15/26 19:43	1
d9-N-EtFOSE-M	41.6		10 - 130	06/15/26 08:18	06/15/26 19:43	1
d5-NEtPFOSA	62.3		10 - 130	06/15/26 08:18	06/15/26 19:43	1
d3-NMePFOSA	65.3		10 - 130	06/15/26 08:18	06/15/26 19:43	1
13C2 PFDoA	78.1		10 - 130	06/15/26 08:18	06/15/26 19:43	1
13C3-3:3 FTCA	119		20 - 150	06/15/26 08:18	06/15/26 19:43	1
13C3-5:3 FTCA	101		20 - 150	06/15/26 08:18	06/15/26 19:43	1
13C3-PFDoS	58.2		20 - 150	06/15/26 08:18	06/15/26 19:43	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.0011	J cn	0.0021	0.00057	mg/L		06/09/26 15:20	06/10/26 19:31	1
Manganese	0.0025	cn	0.0021	0.0013	mg/L		06/09/26 15:20	06/10/26 19:31	1
Nickel	0.0018	cn	0.0010	0.00041	mg/L		06/09/26 15:20	06/10/26 19:31	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: MW-11

Lab Sample ID: 410-286525-6

Date Collected: 06/03/26 13:30

Matrix: Water

Date Received: 06/03/26 17:05

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/16/26 13:59	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/16/26 13:59	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/16/26 13:59	1
Styrene	ND		5.0	0.30	ug/L			06/16/26 13:59	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/16/26 13:59	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/16/26 13:59	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/16/26 13:59	1
4-Methyl-2-pentanone	ND	^c cn	10	0.50	ug/L			06/16/26 13:59	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/16/26 13:59	1
Toluene	ND		1.0	0.30	ug/L			06/16/26 13:59	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/16/26 13:59	1
Cyclohexane	ND		5.0	1.0	ug/L			06/16/26 13:59	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/16/26 13:59	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/16/26 13:59	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/16/26 13:59	1
Tetrachloroethene	2.2		1.0	0.30	ug/L			06/16/26 13:59	1
cis-1,2-Dichloroethene	110		1.0	0.30	ug/L			06/16/26 13:59	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/16/26 13:59	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/16/26 13:59	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/16/26 13:59	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			06/16/26 13:59	1
2-Hexanone	ND	^c cn	10	0.85	ug/L			06/16/26 13:59	1
Acetone	ND		20	0.70	ug/L			06/16/26 13:59	1
Chloroform	ND		1.0	0.30	ug/L			06/16/26 13:59	1
Benzene	ND		1.0	0.30	ug/L			06/16/26 13:59	1
1,1,1-Trichloroethane	9.1	^c cn	1.0	0.30	ug/L			06/16/26 13:59	1
Bromomethane	ND		1.0	0.30	ug/L			06/16/26 13:59	1
Chloromethane	ND	^c	2.0	0.55	ug/L			06/16/26 13:59	1
Chloroethane	ND	cn	1.0	0.30	ug/L			06/16/26 13:59	1
Vinyl chloride	0.83	J	1.0	0.30	ug/L			06/16/26 13:59	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/16/26 13:59	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/16/26 13:59	1
Bromoform	ND		4.0	1.0	ug/L			06/16/26 13:59	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/16/26 13:59	1
1,1-Dichloroethane	9.3		1.0	0.30	ug/L			06/16/26 13:59	1
1,1-Dichloroethene	0.72	J	1.0	0.30	ug/L			06/16/26 13:59	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/16/26 13:59	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/16/26 13:59	1
Freon 113	ND	^c cn	10	0.30	ug/L			06/16/26 13:59	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/16/26 13:59	1
2-Butanone	ND	^c cn	10	1.0	ug/L			06/16/26 13:59	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/16/26 13:59	1
Trichloroethene	220		1.0	0.30	ug/L			06/16/26 13:59	1
Methyl acetate	ND	^c cn	5.0	0.60	ug/L			06/16/26 13:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/16/26 13:59	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/16/26 13:59	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/16/26 13:59	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/16/26 13:59	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: MW-11

Lab Sample ID: 410-286525-6

Date Collected: 06/03/26 13:30

Matrix: Water

Date Received: 06/03/26 17:05

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		80 - 120		06/16/26 13:59	1
Dibromofluoromethane (Surr)	115		80 - 120		06/16/26 13:59	1
4-Bromofluorobenzene (Surr)	92		80 - 120		06/16/26 13:59	1
Toluene-d8 (Surr)	92		80 - 120		06/16/26 13:59	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/04/26 11:41	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.14	J	0.20	0.10	mg/L			06/15/26 20:47	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	30	cn	3.5	0.95	ng/L		06/15/26 08:18	06/15/26 19:57	1
Perfluoropentanoic acid (PFPeA)	84	cn	1.7	0.52	ng/L		06/15/26 08:18	06/15/26 19:57	1
Perfluorohexanoic acid (PFHxA)	50	cn	1.7	0.43	ng/L		06/15/26 08:18	06/15/26 19:57	1
Perfluoroheptanoic acid (PFHpA)	40	cn	1.7	0.69	ng/L		06/15/26 08:18	06/15/26 19:57	1
Perfluorooctanoic acid (PFOA)	35	cn	1.7	0.78	ng/L		06/15/26 08:18	06/15/26 19:57	1
Perfluorononanoic acid (PFNA)	18	cn	1.7	0.43	ng/L		06/15/26 08:18	06/15/26 19:57	1
Perfluorodecanoic acid (PFDA)	0.80	J cn	1.7	0.43	ng/L		06/15/26 08:18	06/15/26 19:57	1
Perfluoroundecanoic acid (PFUnA)	ND	cn	1.7	0.43	ng/L		06/15/26 08:18	06/15/26 19:57	1
Perfluorododecanoic acid (PFDoA)	ND	cn	1.7	0.43	ng/L		06/15/26 08:18	06/15/26 19:57	1
Perfluorotridecanoic acid (PFTriDA)	ND	cn	1.7	0.43	ng/L		06/15/26 08:18	06/15/26 19:57	1
Perfluorotetradecanoic acid (PFTeDA)	ND	cn	1.7	0.43	ng/L		06/15/26 08:18	06/15/26 19:57	1
Perfluorobutanesulfonic acid (PFBS)	0.69	J cn	1.7	0.43	ng/L		06/15/26 08:18	06/15/26 19:57	1
Perfluoropentanesulfonic acid (PFPeS)	ND	cn	1.7	0.43	ng/L		06/15/26 08:18	06/15/26 19:57	1
Perfluorohexanesulfonic acid (PFHxS)	ND	cn	1.7	0.69	ng/L		06/15/26 08:18	06/15/26 19:57	1
Perfluoroheptanesulfonic acid (PFHpS)	ND	cn	1.7	0.43	ng/L		06/15/26 08:18	06/15/26 19:57	1
Perfluorooctanesulfonic acid (PFOS)	3.0	cn	1.7	1.1	ng/L		06/15/26 08:18	06/15/26 19:57	1
Perfluorononanesulfonic acid (PFNS)	ND	cn	1.7	0.43	ng/L		06/15/26 08:18	06/15/26 19:57	1
Perfluorodecanesulfonic acid (PFDS)	ND	cn	1.7	0.43	ng/L		06/15/26 08:18	06/15/26 19:57	1
Perfluorododecanesulfonic acid (PFDoS)	ND	cn	1.7	0.52	ng/L		06/15/26 08:18	06/15/26 19:57	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND	cn	3.5	0.87	ng/L		06/15/26 08:18	06/15/26 19:57	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	12	cn	3.5	0.87	ng/L		06/15/26 08:18	06/15/26 19:57	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	2.0	J cn	3.5	0.87	ng/L		06/15/26 08:18	06/15/26 19:57	1
Perfluorooctanesulfonamide (PFOSA)	ND	cn	1.7	0.43	ng/L		06/15/26 08:18	06/15/26 19:57	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND	cn	1.7	0.43	ng/L		06/15/26 08:18	06/15/26 19:57	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND	cn	1.7	0.95	ng/L		06/15/26 08:18	06/15/26 19:57	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND	cn	1.7	0.43	ng/L		06/15/26 08:18	06/15/26 19:57	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND	cn	1.7	0.43	ng/L		06/15/26 08:18	06/15/26 19:57	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: MW-11

Lab Sample ID: 410-286525-6

Date Collected: 06/03/26 13:30

Matrix: Water

Date Received: 06/03/26 17:05

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND	cn	8.7	3.5	ng/L		06/15/26 08:18	06/15/26 19:57	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND	cn	8.7	3.5	ng/L		06/15/26 08:18	06/15/26 19:57	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	cn	1.7	1.2	ng/L		06/15/26 08:18	06/15/26 19:57	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	cn	1.7	0.43	ng/L		06/15/26 08:18	06/15/26 19:57	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	cn	1.7	0.43	ng/L		06/15/26 08:18	06/15/26 19:57	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	cn	1.7	0.43	ng/L		06/15/26 08:18	06/15/26 19:57	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	cn	1.7	0.43	ng/L		06/15/26 08:18	06/15/26 19:57	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND	cn	1.7	0.43	ng/L		06/15/26 08:18	06/15/26 19:57	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND	cn	1.7	0.43	ng/L		06/15/26 08:18	06/15/26 19:57	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND	cn	1.7	0.43	ng/L		06/15/26 08:18	06/15/26 19:57	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND	cn	3.5	0.87	ng/L		06/15/26 08:18	06/15/26 19:57	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND	cn	8.7	2.4	ng/L		06/15/26 08:18	06/15/26 19:57	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND	cn	8.7	2.2	ng/L		06/15/26 08:18	06/15/26 19:57	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	96.6	cn	5 - 130				06/15/26 08:18	06/15/26 19:57	1
13C5 PFPeA	90.6	cn	40 - 130				06/15/26 08:18	06/15/26 19:57	1
13C5 PFHxA	88.4	cn	40 - 130				06/15/26 08:18	06/15/26 19:57	1
13C4 PFHpA	87.3	cn	40 - 130				06/15/26 08:18	06/15/26 19:57	1
13C8 PFOA	92.3	cn	40 - 130				06/15/26 08:18	06/15/26 19:57	1
13C9 PFNA	87.1	cn	40 - 130				06/15/26 08:18	06/15/26 19:57	1
13C6 PFDA	76.8	cn	40 - 130				06/15/26 08:18	06/15/26 19:57	1
13C7 PFUnA	65.4	cn	30 - 130				06/15/26 08:18	06/15/26 19:57	1
13C2 PFTeDA	22.1	cn	10 - 130				06/15/26 08:18	06/15/26 19:57	1
13C3 PFBS	93.3	cn	40 - 135				06/15/26 08:18	06/15/26 19:57	1
13C3 PFHxS	88.7	cn	40 - 130				06/15/26 08:18	06/15/26 19:57	1
13C8 PFOS	76.7	cn	40 - 130				06/15/26 08:18	06/15/26 19:57	1
13C8 FOSA	58.3	cn	40 - 130				06/15/26 08:18	06/15/26 19:57	1
d3-NMeFOSAA	51.5	cn	40 - 170				06/15/26 08:18	06/15/26 19:57	1
d5-NEtFOSAA	46.7	cn	25 - 135				06/15/26 08:18	06/15/26 19:57	1
13C2 4:2 FTS	92.9	cn	40 - 200				06/15/26 08:18	06/15/26 19:57	1
13C2 6:2 FTS	121	cn	40 - 200				06/15/26 08:18	06/15/26 19:57	1
13C2 8:2 FTS	86.3	cn	40 - 300				06/15/26 08:18	06/15/26 19:57	1
13C3 HFPO-DA	84.3	cn	40 - 130				06/15/26 08:18	06/15/26 19:57	1
d7-N-MeFOSE-M	31.7	cn	10 - 130				06/15/26 08:18	06/15/26 19:57	1
d9-N-EtFOSE-M	24.3	cn	10 - 130				06/15/26 08:18	06/15/26 19:57	1
d5-NEtPFOSA	28.5	cn	10 - 130				06/15/26 08:18	06/15/26 19:57	1
d3-NMePFOSA	34.8	cn	10 - 130				06/15/26 08:18	06/15/26 19:57	1
13C2 PFDoA	46.6	cn	10 - 130				06/15/26 08:18	06/15/26 19:57	1
13C3-3:3 FTCA	125	cn	20 - 150				06/15/26 08:18	06/15/26 19:57	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: MW-11

Lab Sample ID: 410-286525-6

Date Collected: 06/03/26 13:30

Matrix: Water

Date Received: 06/03/26 17:05

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-5:3 FTCA	103	cn	20 - 150	06/15/26 08:18	06/15/26 19:57	1
13C3-PFDoS	20.6	cn	20 - 150	06/15/26 08:18	06/15/26 19:57	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND	cn	0.0021	0.00057	mg/L		06/09/26 15:20	06/10/26 19:21	1
Manganese	0.0069	cn	0.0021	0.0013	mg/L		06/09/26 15:20	06/10/26 19:21	1
Nickel	0.0032	cn	0.0010	0.00041	mg/L		06/09/26 15:20	06/10/26 19:21	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: MW-18

Lab Sample ID: 410-286525-7

Date Collected: 06/03/26 14:00

Matrix: Water

Date Received: 06/03/26 17:05

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/16/26 14:20	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/16/26 14:20	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/16/26 14:20	1
Styrene	ND		5.0	0.30	ug/L			06/16/26 14:20	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/16/26 14:20	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/16/26 14:20	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/16/26 14:20	1
4-Methyl-2-pentanone	ND	^c cn	10	0.50	ug/L			06/16/26 14:20	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/16/26 14:20	1
Toluene	ND		1.0	0.30	ug/L			06/16/26 14:20	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/16/26 14:20	1
Cyclohexane	ND		5.0	1.0	ug/L			06/16/26 14:20	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/16/26 14:20	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/16/26 14:20	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/16/26 14:20	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/16/26 14:20	1
cis-1,2-Dichloroethene	3.2		1.0	0.30	ug/L			06/16/26 14:20	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/16/26 14:20	1
Methyl tertiary butyl ether	0.22	J	1.0	0.20	ug/L			06/16/26 14:20	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/16/26 14:20	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			06/16/26 14:20	1
2-Hexanone	ND	^c cn	10	0.85	ug/L			06/16/26 14:20	1
Acetone	3.6	J	20	0.70	ug/L			06/16/26 14:20	1
Chloroform	ND		1.0	0.30	ug/L			06/16/26 14:20	1
Benzene	ND		1.0	0.30	ug/L			06/16/26 14:20	1
1,1,1-Trichloroethane	50	^c cn	1.0	0.30	ug/L			06/16/26 14:20	1
Bromomethane	ND		1.0	0.30	ug/L			06/16/26 14:20	1
Chloromethane	ND	^c	2.0	0.55	ug/L			06/16/26 14:20	1
Chloroethane	ND	cn	1.0	0.30	ug/L			06/16/26 14:20	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/16/26 14:20	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/16/26 14:20	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/16/26 14:20	1
Bromoform	ND		4.0	1.0	ug/L			06/16/26 14:20	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/16/26 14:20	1
1,1-Dichloroethane	1.3		1.0	0.30	ug/L			06/16/26 14:20	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/16/26 14:20	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/16/26 14:20	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/16/26 14:20	1
Freon 113	0.35	J ^c cn	10	0.30	ug/L			06/16/26 14:20	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/16/26 14:20	1
2-Butanone	ND	^c cn	10	1.0	ug/L			06/16/26 14:20	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/16/26 14:20	1
Trichloroethene	3.8		1.0	0.30	ug/L			06/16/26 14:20	1
Methyl acetate	ND	^c cn	5.0	0.60	ug/L			06/16/26 14:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/16/26 14:20	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/16/26 14:20	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/16/26 14:20	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/16/26 14:20	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: MW-18

Lab Sample ID: 410-286525-7

Date Collected: 06/03/26 14:00

Matrix: Water

Date Received: 06/03/26 17:05

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		06/16/26 14:20	1
Dibromofluoromethane (Surr)	113		80 - 120		06/16/26 14:20	1
4-Bromofluorobenzene (Surr)	90		80 - 120		06/16/26 14:20	1
Toluene-d8 (Surr)	91		80 - 120		06/16/26 14:20	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/04/26 11:49	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.50		0.20	0.10	mg/L			06/15/26 21:12	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	33		3.6	0.99	ng/L		06/15/26 08:18	06/15/26 20:11	1
Perfluoropentanoic acid (PFPeA)	100		1.8	0.54	ng/L		06/15/26 08:18	06/15/26 20:11	1
Perfluorohexanoic acid (PFHxA)	55		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 20:11	1
Perfluoroheptanoic acid (PFHpA)	45		1.8	0.72	ng/L		06/15/26 08:18	06/15/26 20:11	1
Perfluorooctanoic acid (PFOA)	38		1.8	0.81	ng/L		06/15/26 08:18	06/15/26 20:11	1
Perfluorononanoic acid (PFNA)	15		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 20:11	1
Perfluorodecanoic acid (PFDA)	1.2 J		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 20:11	1
Perfluoroundecanoic acid (PFUnA)	1.5 J		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 20:11	1
Perfluorododecanoic acid (PFDoA)	0.67 J		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 20:11	1
Perfluorotridecanoic acid (PFTriDA)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 20:11	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 20:11	1
Perfluorobutanesulfonic acid (PFBS)	0.72 J		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 20:11	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 20:11	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.72	ng/L		06/15/26 08:18	06/15/26 20:11	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 20:11	1
Perfluorooctanesulfonic acid (PFOS)	2.2		1.8	1.2	ng/L		06/15/26 08:18	06/15/26 20:11	1
Perfluorononanesulfonic acid (PFNS)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 20:11	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 20:11	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.54	ng/L		06/15/26 08:18	06/15/26 20:11	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.6	0.90	ng/L		06/15/26 08:18	06/15/26 20:11	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	20		3.6	0.90	ng/L		06/15/26 08:18	06/15/26 20:11	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	5.4		3.6	0.90	ng/L		06/15/26 08:18	06/15/26 20:11	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 20:11	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 20:11	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.8	0.99	ng/L		06/15/26 08:18	06/15/26 20:11	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 20:11	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: MW-18

Lab Sample ID: 410-286525-7

Date Collected: 06/03/26 14:00

Matrix: Water

Date Received: 06/03/26 17:05

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 20:11	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		9.0	3.6	ng/L		06/15/26 08:18	06/15/26 20:11	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		9.0	3.6	ng/L		06/15/26 08:18	06/15/26 20:11	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.8	1.3	ng/L		06/15/26 08:18	06/15/26 20:11	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 20:11	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 20:11	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 20:11	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 20:11	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 20:11	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 20:11	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.8	0.45	ng/L		06/15/26 08:18	06/15/26 20:11	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.6	0.90	ng/L		06/15/26 08:18	06/15/26 20:11	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		9.0	2.5	ng/L		06/15/26 08:18	06/15/26 20:11	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		9.0	2.2	ng/L		06/15/26 08:18	06/15/26 20:11	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	100		5 - 130	06/15/26 08:18	06/15/26 20:11	1
13C5 PFPeA	96.4		40 - 130	06/15/26 08:18	06/15/26 20:11	1
13C5 PFHxA	93.7		40 - 130	06/15/26 08:18	06/15/26 20:11	1
13C4 PFHpA	89.8		40 - 130	06/15/26 08:18	06/15/26 20:11	1
13C8 PFOA	99.6		40 - 130	06/15/26 08:18	06/15/26 20:11	1
13C9 PFNA	90.7		40 - 130	06/15/26 08:18	06/15/26 20:11	1
13C6 PFDA	86.5		40 - 130	06/15/26 08:18	06/15/26 20:11	1
13C7 PFUnA	83.1		30 - 130	06/15/26 08:18	06/15/26 20:11	1
13C2 PFTeDA	69.7		10 - 130	06/15/26 08:18	06/15/26 20:11	1
13C3 PFBS	101		40 - 135	06/15/26 08:18	06/15/26 20:11	1
13C3 PFHxS	93.2		40 - 130	06/15/26 08:18	06/15/26 20:11	1
13C8 PFOS	87.4		40 - 130	06/15/26 08:18	06/15/26 20:11	1
13C8 FOSA	80.0		40 - 130	06/15/26 08:18	06/15/26 20:11	1
d3-NMeFOSAA	64.9		40 - 170	06/15/26 08:18	06/15/26 20:11	1
d5-NEtFOSAA	59.3		25 - 135	06/15/26 08:18	06/15/26 20:11	1
13C2 4:2 FTS	94.8		40 - 200	06/15/26 08:18	06/15/26 20:11	1
13C2 6:2 FTS	81.5		40 - 200	06/15/26 08:18	06/15/26 20:11	1
13C2 8:2 FTS	101		40 - 300	06/15/26 08:18	06/15/26 20:11	1
13C3 HFPO-DA	90.2		40 - 130	06/15/26 08:18	06/15/26 20:11	1
d7-N-MeFOSE-M	49.5		10 - 130	06/15/26 08:18	06/15/26 20:11	1
d9-N-EtFOSE-M	42.3		10 - 130	06/15/26 08:18	06/15/26 20:11	1
d5-NEtPFOSA	68.1		10 - 130	06/15/26 08:18	06/15/26 20:11	1
d3-NMePFOSA	70.1		10 - 130	06/15/26 08:18	06/15/26 20:11	1
13C2 PFDoA	80.3		10 - 130	06/15/26 08:18	06/15/26 20:11	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: MW-18

Lab Sample ID: 410-286525-7

Date Collected: 06/03/26 14:00

Matrix: Water

Date Received: 06/03/26 17:05

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-3:3 FTCA	136		20 - 150	06/15/26 08:18	06/15/26 20:11	1
13C3-5:3 FTCA	106		20 - 150	06/15/26 08:18	06/15/26 20:11	1
13C3-PFDoS	61.0		20 - 150	06/15/26 08:18	06/15/26 20:11	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND	cn	0.0021	0.00057	mg/L		06/09/26 15:20	06/10/26 19:05	1
Manganese	0.0013	J cn	0.0021	0.0013	mg/L		06/09/26 15:20	06/10/26 19:05	1
Nickel	0.00053	J cn	0.0010	0.00041	mg/L		06/09/26 15:20	06/10/26 19:05	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: MW-72

Lab Sample ID: 410-286525-8

Date Collected: 06/03/26 14:45

Matrix: Water

Date Received: 06/03/26 17:05

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		100	50	ug/L			06/16/26 17:05	100
trans-1,3-Dichloropropene	ND		100	20	ug/L			06/16/26 17:05	100
Ethylbenzene	ND		100	40	ug/L			06/16/26 17:05	100
Styrene	ND		500	30	ug/L			06/16/26 17:05	100
1,4-Dichlorobenzene	ND		500	30	ug/L			06/16/26 17:05	100
1,2-Dibromoethane	ND		100	20	ug/L			06/16/26 17:05	100
1,2-Dichloroethane	ND		100	30	ug/L			06/16/26 17:05	100
4-Methyl-2-pentanone	ND	^c cn	1000	50	ug/L			06/16/26 17:05	100
Methylcyclohexane	ND		500	50	ug/L			06/16/26 17:05	100
Toluene	91	J	100	30	ug/L			06/16/26 17:05	100
Chlorobenzene	ND		100	30	ug/L			06/16/26 17:05	100
Cyclohexane	ND		500	100	ug/L			06/16/26 17:05	100
1,2,4-Trichlorobenzene	ND		500	30	ug/L			06/16/26 17:05	100
Dibromochloromethane	ND		100	20	ug/L			06/16/26 17:05	100
Xylenes, Total	ND		100	40	ug/L			06/16/26 17:05	100
Tetrachloroethene	1400		100	30	ug/L			06/16/26 17:05	100
trans-1,2-Dichloroethene	ND		200	70	ug/L			06/16/26 17:05	100
Methyl tertiary butyl ether	ND		100	20	ug/L			06/16/26 17:05	100
1,3-Dichlorobenzene	ND		500	68	ug/L			06/16/26 17:05	100
Carbon tetrachloride	43	J ^c cn	100	30	ug/L			06/16/26 17:05	100
2-Hexanone	ND	^c cn	1000	85	ug/L			06/16/26 17:05	100
Acetone	ND		2000	70	ug/L			06/16/26 17:05	100
Chloroform	ND		100	30	ug/L			06/16/26 17:05	100
Benzene	ND		100	30	ug/L			06/16/26 17:05	100
1,1,1-Trichloroethane	2800	^c cn	100	30	ug/L			06/16/26 17:05	100
Bromomethane	ND		100	30	ug/L			06/16/26 17:05	100
Chloromethane	ND	^c	200	55	ug/L			06/16/26 17:05	100
Chloroethane	ND	cn	100	30	ug/L			06/16/26 17:05	100
Vinyl chloride	540		100	30	ug/L			06/16/26 17:05	100
Methylene Chloride	ND		100	30	ug/L			06/16/26 17:05	100
Carbon disulfide	ND		500	30	ug/L			06/16/26 17:05	100
Bromoform	ND		400	100	ug/L			06/16/26 17:05	100
Bromodichloromethane	ND		100	20	ug/L			06/16/26 17:05	100
1,1-Dichloroethane	160		100	30	ug/L			06/16/26 17:05	100
1,1-Dichloroethene	160		100	30	ug/L			06/16/26 17:05	100
Trichlorofluoromethane	ND		100	30	ug/L			06/16/26 17:05	100
Dichlorodifluoromethane	ND		100	30	ug/L			06/16/26 17:05	100
Freon 113	ND	^c cn	1000	30	ug/L			06/16/26 17:05	100
1,2-Dichloropropane	ND		100	30	ug/L			06/16/26 17:05	100
2-Butanone	ND	^c cn	1000	100	ug/L			06/16/26 17:05	100
1,1,2-Trichloroethane	ND		100	30	ug/L			06/16/26 17:05	100
Methyl acetate	ND	^c cn	500	60	ug/L			06/16/26 17:05	100
1,1,2,2-Tetrachloroethane	ND		100	30	ug/L			06/16/26 17:05	100
1,2-Dichlorobenzene	ND		500	20	ug/L			06/16/26 17:05	100
1,2-Dibromo-3-Chloropropane	ND		500	30	ug/L			06/16/26 17:05	100
Isopropylbenzene	ND		500	30	ug/L			06/16/26 17:05	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		80 - 120		06/16/26 17:05	100
Dibromofluoromethane (Surr)	113		80 - 120		06/16/26 17:05	100

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: MW-72

Lab Sample ID: 410-286525-8

Date Collected: 06/03/26 14:45

Matrix: Water

Date Received: 06/03/26 17:05

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		80 - 120		06/16/26 17:05	100
Toluene-d8 (Surr)	95		80 - 120		06/16/26 17:05	100

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	46000		1000	300	ug/L			06/16/26 17:25	1000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		80 - 120		06/16/26 17:25	1000
Dibromofluoromethane (Surr)	116		80 - 120		06/16/26 17:25	1000
4-Bromofluorobenzene (Surr)	88		80 - 120		06/16/26 17:25	1000
Toluene-d8 (Surr)	91		80 - 120		06/16/26 17:25	1000

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	300000		5000	1500	ug/L			06/17/26 14:37	5000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120		06/17/26 14:37	5000
Dibromofluoromethane (Surr)	102		80 - 120		06/17/26 14:37	5000
4-Bromofluorobenzene (Surr)	102		80 - 120		06/17/26 14:37	5000
Toluene-d8 (Surr)	100		80 - 120		06/17/26 14:37	5000

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/04/26 12:12	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.21		0.20	0.10	mg/L			06/15/26 21:36	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	110	cn	3.7	1.0	ng/L		06/15/26 08:18	06/15/26 20:24	1
Perfluoropentanoic acid (PFPeA)	340	cn	1.9	0.56	ng/L		06/15/26 08:18	06/15/26 20:24	1
Perfluorohexanoic acid (PFHxA)	200	cn	1.9	0.46	ng/L		06/15/26 08:18	06/15/26 20:24	1
Perfluoroheptanoic acid (PFHpA)	160	cn	1.9	0.74	ng/L		06/15/26 08:18	06/15/26 20:24	1
Perfluorooctanoic acid (PFOA)	170	cn	1.9	0.84	ng/L		06/15/26 08:18	06/15/26 20:24	1
Perfluorononanoic acid (PFNA)	36	cn	1.9	0.46	ng/L		06/15/26 08:18	06/15/26 20:24	1
Perfluorodecanoic acid (PFDA)	1.3	J cn	1.9	0.46	ng/L		06/15/26 08:18	06/15/26 20:24	1
Perfluoroundecanoic acid (PFUnA)	0.62	J cn	1.9	0.46	ng/L		06/15/26 08:18	06/15/26 20:24	1
Perfluorododecanoic acid (PFDoA)	ND	cn	1.9	0.46	ng/L		06/15/26 08:18	06/15/26 20:24	1
Perfluorotridecanoic acid (PFTriDA)	ND	cn	1.9	0.46	ng/L		06/15/26 08:18	06/15/26 20:24	1
Perfluorotetradecanoic acid (PFTeDA)	ND	cn	1.9	0.46	ng/L		06/15/26 08:18	06/15/26 20:24	1
Perfluorobutanesulfonic acid (PFBS)	0.77	J cn	1.9	0.46	ng/L		06/15/26 08:18	06/15/26 20:24	1
Perfluoropentanesulfonic acid (PFPeS)	ND	cn	1.9	0.46	ng/L		06/15/26 08:18	06/15/26 20:24	1
Perfluorohexanesulfonic acid (PFHxS)	1.7	J cn	1.9	0.74	ng/L		06/15/26 08:18	06/15/26 20:24	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: MW-72

Lab Sample ID: 410-286525-8

Date Collected: 06/03/26 14:45

Matrix: Water

Date Received: 06/03/26 17:05

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanesulfonic acid (PFHpS)	ND	cn	1.9	0.46	ng/L		06/15/26 08:18	06/15/26 20:24	1
Perfluorooctanesulfonic acid (PFOS)	9.2	cn	1.9	1.2	ng/L		06/15/26 08:18	06/15/26 20:24	1
Perfluorononanesulfonic acid (PFNS)	ND	cn	1.9	0.46	ng/L		06/15/26 08:18	06/15/26 20:24	1
Perfluorodecanesulfonic acid (PFDS)	ND	cn	1.9	0.46	ng/L		06/15/26 08:18	06/15/26 20:24	1
Perfluorododecanesulfonic acid (PFDoS)	ND	cn	1.9	0.56	ng/L		06/15/26 08:18	06/15/26 20:24	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND	cn	3.7	0.93	ng/L		06/15/26 08:18	06/15/26 20:24	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	130	cn	3.7	0.93	ng/L		06/15/26 08:18	06/15/26 20:24	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	21	cn	3.7	0.93	ng/L		06/15/26 08:18	06/15/26 20:24	1
Perfluorooctanesulfonamide (PFOSA)	ND	cn	1.9	0.46	ng/L		06/15/26 08:18	06/15/26 20:24	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND	cn	1.9	0.46	ng/L		06/15/26 08:18	06/15/26 20:24	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND	cn	1.9	1.0	ng/L		06/15/26 08:18	06/15/26 20:24	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND	cn	1.9	0.46	ng/L		06/15/26 08:18	06/15/26 20:24	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND	cn	1.9	0.46	ng/L		06/15/26 08:18	06/15/26 20:24	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND	cn	9.3	3.7	ng/L		06/15/26 08:18	06/15/26 20:24	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND	cn	9.3	3.7	ng/L		06/15/26 08:18	06/15/26 20:24	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	cn	1.9	1.3	ng/L		06/15/26 08:18	06/15/26 20:24	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	cn	1.9	0.46	ng/L		06/15/26 08:18	06/15/26 20:24	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	cn	1.9	0.46	ng/L		06/15/26 08:18	06/15/26 20:24	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	cn	1.9	0.46	ng/L		06/15/26 08:18	06/15/26 20:24	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	cn	1.9	0.46	ng/L		06/15/26 08:18	06/15/26 20:24	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND	cn	1.9	0.46	ng/L		06/15/26 08:18	06/15/26 20:24	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND	cn	1.9	0.46	ng/L		06/15/26 08:18	06/15/26 20:24	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND	cn	1.9	0.46	ng/L		06/15/26 08:18	06/15/26 20:24	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND	cn	3.7	0.93	ng/L		06/15/26 08:18	06/15/26 20:24	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND	cn	9.3	2.6	ng/L		06/15/26 08:18	06/15/26 20:24	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND	cn	9.3	2.3	ng/L		06/15/26 08:18	06/15/26 20:24	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	99.4	cn	5 - 130				06/15/26 08:18	06/15/26 20:24	1
13C5 PFPeA	76.6	cn	40 - 130				06/15/26 08:18	06/15/26 20:24	1
13C5 PFHxA	92.2	cn	40 - 130				06/15/26 08:18	06/15/26 20:24	1
13C4 PFHpA	86.4	cn	40 - 130				06/15/26 08:18	06/15/26 20:24	1
13C8 PFOA	87.6	cn	40 - 130				06/15/26 08:18	06/15/26 20:24	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: MW-72

Lab Sample ID: 410-286525-8

Date Collected: 06/03/26 14:45

Matrix: Water

Date Received: 06/03/26 17:05

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C9 PFNA	84.0	cn	40 - 130	06/15/26 08:18	06/15/26 20:24	1
13C6 PFDA	74.5	cn	40 - 130	06/15/26 08:18	06/15/26 20:24	1
13C7 PFUnA	68.8	cn	30 - 130	06/15/26 08:18	06/15/26 20:24	1
13C2 PFTeDA	30.9	cn	10 - 130	06/15/26 08:18	06/15/26 20:24	1
13C3 PFBS	96.5	cn	40 - 135	06/15/26 08:18	06/15/26 20:24	1
13C3 PFHxS	88.5	cn	40 - 130	06/15/26 08:18	06/15/26 20:24	1
13C8 PFOS	78.5	cn	40 - 130	06/15/26 08:18	06/15/26 20:24	1
13C8 FOSA	69.9	cn	40 - 130	06/15/26 08:18	06/15/26 20:24	1
d3-NMeFOSAA	68.7	cn	40 - 170	06/15/26 08:18	06/15/26 20:24	1
d5-NEtFOSAA	65.5	cn	25 - 135	06/15/26 08:18	06/15/26 20:24	1
13C2 4:2 FTS	211	*5+ cn	40 - 200	06/15/26 08:18	06/15/26 20:24	1
13C2 6:2 FTS	163	cn	40 - 200	06/15/26 08:18	06/15/26 20:24	1
13C2 8:2 FTS	123	cn	40 - 300	06/15/26 08:18	06/15/26 20:24	1
13C3 HFPO-DA	80.1	cn	40 - 130	06/15/26 08:18	06/15/26 20:24	1
d7-N-MeFOSE-M	40.2	cn	10 - 130	06/15/26 08:18	06/15/26 20:24	1
d9-N-EtFOSE-M	33.5	cn	10 - 130	06/15/26 08:18	06/15/26 20:24	1
d5-NEtPFOSA	37.2	cn	10 - 130	06/15/26 08:18	06/15/26 20:24	1
d3-NMePFOSA	42.7	cn	10 - 130	06/15/26 08:18	06/15/26 20:24	1
13C2 PFDoA	60.1	cn	10 - 130	06/15/26 08:18	06/15/26 20:24	1
13C3-3:3 FTCA	115	cn	20 - 150	06/15/26 08:18	06/15/26 20:24	1
13C3-5:3 FTCA	140	cn	20 - 150	06/15/26 08:18	06/15/26 20:24	1
13C3-PFDoS	28.8	cn	20 - 150	06/15/26 08:18	06/15/26 20:24	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.0012	J cn	0.0021	0.00057	mg/L		06/09/26 15:20	06/10/26 19:15	1
Manganese	3.7	cn	0.0021	0.0013	mg/L		06/09/26 15:20	06/10/26 19:15	1
Nickel	0.0052	cn	0.0010	0.00041	mg/L		06/09/26 15:20	06/10/26 19:15	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: MW-73

Lab Sample ID: 410-286525-9

Date Collected: 06/03/26 15:00

Matrix: Water

Date Received: 06/03/26 17:05

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		50	25	ug/L			06/16/26 17:46	50
trans-1,3-Dichloropropene	ND		50	10	ug/L			06/16/26 17:46	50
Ethylbenzene	ND		50	20	ug/L			06/16/26 17:46	50
Styrene	ND		250	15	ug/L			06/16/26 17:46	50
1,4-Dichlorobenzene	ND		250	15	ug/L			06/16/26 17:46	50
1,2-Dibromoethane	ND		50	10	ug/L			06/16/26 17:46	50
1,2-Dichloroethane	ND		50	15	ug/L			06/16/26 17:46	50
4-Methyl-2-pentanone	ND	^c cn	500	25	ug/L			06/16/26 17:46	50
Methylcyclohexane	ND		250	25	ug/L			06/16/26 17:46	50
Toluene	ND		50	15	ug/L			06/16/26 17:46	50
Chlorobenzene	ND		50	15	ug/L			06/16/26 17:46	50
Cyclohexane	ND		250	50	ug/L			06/16/26 17:46	50
1,2,4-Trichlorobenzene	ND		250	15	ug/L			06/16/26 17:46	50
Dibromochloromethane	ND		50	10	ug/L			06/16/26 17:46	50
Xylenes, Total	ND		50	20	ug/L			06/16/26 17:46	50
Tetrachloroethene	200		50	15	ug/L			06/16/26 17:46	50
cis-1,2-Dichloroethene	11000		50	15	ug/L			06/16/26 17:46	50
trans-1,2-Dichloroethene	ND		100	35	ug/L			06/16/26 17:46	50
Methyl tertiary butyl ether	ND		50	10	ug/L			06/16/26 17:46	50
1,3-Dichlorobenzene	ND		250	34	ug/L			06/16/26 17:46	50
Carbon tetrachloride	ND	^c cn	50	15	ug/L			06/16/26 17:46	50
2-Hexanone	ND	^c cn	500	43	ug/L			06/16/26 17:46	50
Acetone	ND		1000	35	ug/L			06/16/26 17:46	50
Chloroform	ND		50	15	ug/L			06/16/26 17:46	50
Benzene	ND		50	15	ug/L			06/16/26 17:46	50
1,1,1-Trichloroethane	160	^c cn	50	15	ug/L			06/16/26 17:46	50
Bromomethane	ND		50	15	ug/L			06/16/26 17:46	50
Chloromethane	ND	^c	100	28	ug/L			06/16/26 17:46	50
Chloroethane	ND	cn	50	15	ug/L			06/16/26 17:46	50
Vinyl chloride	91		50	15	ug/L			06/16/26 17:46	50
Methylene Chloride	ND		50	15	ug/L			06/16/26 17:46	50
Carbon disulfide	ND		250	15	ug/L			06/16/26 17:46	50
Bromoform	ND		200	50	ug/L			06/16/26 17:46	50
Bromodichloromethane	ND		50	10	ug/L			06/16/26 17:46	50
1,1-Dichloroethane	45	J	50	15	ug/L			06/16/26 17:46	50
1,1-Dichloroethene	52		50	15	ug/L			06/16/26 17:46	50
Trichlorofluoromethane	ND		50	15	ug/L			06/16/26 17:46	50
Dichlorodifluoromethane	ND		50	15	ug/L			06/16/26 17:46	50
Freon 113	ND	^c cn	500	15	ug/L			06/16/26 17:46	50
1,2-Dichloropropane	ND		50	15	ug/L			06/16/26 17:46	50
2-Butanone	ND	^c cn	500	50	ug/L			06/16/26 17:46	50
1,1,2-Trichloroethane	ND		50	15	ug/L			06/16/26 17:46	50
Methyl acetate	ND	^c cn	250	30	ug/L			06/16/26 17:46	50
1,1,2,2-Tetrachloroethane	ND		50	15	ug/L			06/16/26 17:46	50
1,2-Dichlorobenzene	ND		250	10	ug/L			06/16/26 17:46	50
1,2-Dibromo-3-Chloropropane	ND		250	15	ug/L			06/16/26 17:46	50
Isopropylbenzene	ND		250	15	ug/L			06/16/26 17:46	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		06/16/26 17:46	50

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: MW-73

Lab Sample ID: 410-286525-9

Date Collected: 06/03/26 15:00

Matrix: Water

Date Received: 06/03/26 17:05

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	116		80 - 120		06/16/26 17:46	50
4-Bromofluorobenzene (Surr)	92		80 - 120		06/16/26 17:46	50
Toluene-d8 (Surr)	93		80 - 120		06/16/26 17:46	50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	28000		500	150	ug/L			06/16/26 18:06	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		80 - 120		06/16/26 18:06	500
Dibromofluoromethane (Surr)	118		80 - 120		06/16/26 18:06	500
4-Bromofluorobenzene (Surr)	93		80 - 120		06/16/26 18:06	500
Toluene-d8 (Surr)	90		80 - 120		06/16/26 18:06	500

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/04/26 12:19	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20	0.10	mg/L			06/15/26 22:01	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	140	cn	3.8	1.0	ng/L		06/15/26 08:18	06/15/26 20:38	1
Perfluoropentanoic acid (PFPeA)	450	cn	1.9	0.57	ng/L		06/15/26 08:18	06/15/26 20:38	1
Perfluorohexanoic acid (PFHxA)	250	cn	1.9	0.47	ng/L		06/15/26 08:18	06/15/26 20:38	1
Perfluoroheptanoic acid (PFHpA)	170	cn	1.9	0.76	ng/L		06/15/26 08:18	06/15/26 20:38	1
Perfluorooctanoic acid (PFOA)	180	cn	1.9	0.85	ng/L		06/15/26 08:18	06/15/26 20:38	1
Perfluorononanoic acid (PFNA)	33	cn	1.9	0.47	ng/L		06/15/26 08:18	06/15/26 20:38	1
Perfluorodecanoic acid (PFDA)	0.91	J cn	1.9	0.47	ng/L		06/15/26 08:18	06/15/26 20:38	1
Perfluoroundecanoic acid (PFUnA)	ND	cn	1.9	0.47	ng/L		06/15/26 08:18	06/15/26 20:38	1
Perfluorododecanoic acid (PFDoA)	ND	cn	1.9	0.47	ng/L		06/15/26 08:18	06/15/26 20:38	1
Perfluorotridecanoic acid (PFTTrDA)	ND	cn	1.9	0.47	ng/L		06/15/26 08:18	06/15/26 20:38	1
Perfluorotetradecanoic acid (PFTeDA)	ND	cn	1.9	0.47	ng/L		06/15/26 08:18	06/15/26 20:38	1
Perfluorobutanesulfonic acid (PFBS)	1.1	J cn	1.9	0.47	ng/L		06/15/26 08:18	06/15/26 20:38	1
Perfluoropentanesulfonic acid (PFPeS)	ND	cn	1.9	0.47	ng/L		06/15/26 08:18	06/15/26 20:38	1
Perfluorohexanesulfonic acid (PFHxS)	1.4	J cn	1.9	0.76	ng/L		06/15/26 08:18	06/15/26 20:38	1
Perfluoroheptanesulfonic acid (PFHpS)	ND	cn	1.9	0.47	ng/L		06/15/26 08:18	06/15/26 20:38	1
Perfluorooctanesulfonic acid (PFOS)	6.5	cn	1.9	1.2	ng/L		06/15/26 08:18	06/15/26 20:38	1
Perfluorononanesulfonic acid (PFNS)	ND	cn	1.9	0.47	ng/L		06/15/26 08:18	06/15/26 20:38	1
Perfluorodecanesulfonic acid (PFDS)	ND	cn	1.9	0.47	ng/L		06/15/26 08:18	06/15/26 20:38	1
Perfluorododecanesulfonic acid (PFDoS)	ND	cn	1.9	0.57	ng/L		06/15/26 08:18	06/15/26 20:38	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	1.4	J cn	3.8	0.94	ng/L		06/15/26 08:18	06/15/26 20:38	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: MW-73

Lab Sample ID: 410-286525-9

Date Collected: 06/03/26 15:00

Matrix: Water

Date Received: 06/03/26 17:05

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	110	cn	3.8	0.94	ng/L		06/15/26 08:18	06/15/26 20:38	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	4.1	cn	3.8	0.94	ng/L		06/15/26 08:18	06/15/26 20:38	1
Perfluorooctanesulfonamide (PFOSA)	ND	cn	1.9	0.47	ng/L		06/15/26 08:18	06/15/26 20:38	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND	cn	1.9	0.47	ng/L		06/15/26 08:18	06/15/26 20:38	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND	cn	1.9	1.0	ng/L		06/15/26 08:18	06/15/26 20:38	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND	cn	1.9	0.47	ng/L		06/15/26 08:18	06/15/26 20:38	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND	cn	1.9	0.47	ng/L		06/15/26 08:18	06/15/26 20:38	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND	cn	9.4	3.8	ng/L		06/15/26 08:18	06/15/26 20:38	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND	cn	9.4	3.8	ng/L		06/15/26 08:18	06/15/26 20:38	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	cn	1.9	1.3	ng/L		06/15/26 08:18	06/15/26 20:38	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND	cn	1.9	0.47	ng/L		06/15/26 08:18	06/15/26 20:38	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	cn	1.9	0.47	ng/L		06/15/26 08:18	06/15/26 20:38	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	cn	1.9	0.47	ng/L		06/15/26 08:18	06/15/26 20:38	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	cn	1.9	0.47	ng/L		06/15/26 08:18	06/15/26 20:38	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND	cn	1.9	0.47	ng/L		06/15/26 08:18	06/15/26 20:38	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND	cn	1.9	0.47	ng/L		06/15/26 08:18	06/15/26 20:38	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND	cn	1.9	0.47	ng/L		06/15/26 08:18	06/15/26 20:38	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND	cn	3.8	0.94	ng/L		06/15/26 08:18	06/15/26 20:38	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND	cn	9.4	2.6	ng/L		06/15/26 08:18	06/15/26 20:38	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND	cn	9.4	2.4	ng/L		06/15/26 08:18	06/15/26 20:38	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	96.9	cn	5 - 130	06/15/26 08:18	06/15/26 20:38	1
13C5 PFPeA	81.1	cn	40 - 130	06/15/26 08:18	06/15/26 20:38	1
13C5 PFHxA	90.6	cn	40 - 130	06/15/26 08:18	06/15/26 20:38	1
13C4 PFHpA	85.0	cn	40 - 130	06/15/26 08:18	06/15/26 20:38	1
13C8 PFOA	92.1	cn	40 - 130	06/15/26 08:18	06/15/26 20:38	1
13C9 PFNA	89.5	cn	40 - 130	06/15/26 08:18	06/15/26 20:38	1
13C6 PFDA	77.8	cn	40 - 130	06/15/26 08:18	06/15/26 20:38	1
13C7 PFUnA	65.0	cn	30 - 130	06/15/26 08:18	06/15/26 20:38	1
13C2 PFTeDA	23.1	cn	10 - 130	06/15/26 08:18	06/15/26 20:38	1
13C3 PFBS	95.0	cn	40 - 135	06/15/26 08:18	06/15/26 20:38	1
13C3 PFHxS	87.5	cn	40 - 130	06/15/26 08:18	06/15/26 20:38	1
13C8 PFOS	77.7	cn	40 - 130	06/15/26 08:18	06/15/26 20:38	1
13C8 FOSA	61.8	cn	40 - 130	06/15/26 08:18	06/15/26 20:38	1
d3-NMeFOSAA	68.2	cn	40 - 170	06/15/26 08:18	06/15/26 20:38	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: MW-73

Lab Sample ID: 410-286525-9

Date Collected: 06/03/26 15:00

Matrix: Water

Date Received: 06/03/26 17:05

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	53.4	cn	25 - 135	06/15/26 08:18	06/15/26 20:38	1
13C2 4:2 FTS	152	cn	40 - 200	06/15/26 08:18	06/15/26 20:38	1
13C2 6:2 FTS	149	cn	40 - 200	06/15/26 08:18	06/15/26 20:38	1
13C2 8:2 FTS	114	cn	40 - 300	06/15/26 08:18	06/15/26 20:38	1
13C3 HFPO-DA	81.4	cn	40 - 130	06/15/26 08:18	06/15/26 20:38	1
d7-N-MeFOSE-M	37.9	cn	10 - 130	06/15/26 08:18	06/15/26 20:38	1
d9-N-EtFOSE-M	28.1	cn	10 - 130	06/15/26 08:18	06/15/26 20:38	1
d5-NEtPFOSA	33.8	cn	10 - 130	06/15/26 08:18	06/15/26 20:38	1
d3-NMePFOSA	41.3	cn	10 - 130	06/15/26 08:18	06/15/26 20:38	1
13C2 PFDoA	47.7	cn	10 - 130	06/15/26 08:18	06/15/26 20:38	1
13C3-3:3 FTCA	114	cn	20 - 150	06/15/26 08:18	06/15/26 20:38	1
13C3-5:3 FTCA	110	cn	20 - 150	06/15/26 08:18	06/15/26 20:38	1
13C3-PFDoS	23.2	cn	20 - 150	06/15/26 08:18	06/15/26 20:38	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND	cn	0.0021	0.00057	mg/L		06/09/26 15:20	06/10/26 19:19	1
Manganese	1.8	cn	0.0021	0.0013	mg/L		06/09/26 15:20	06/10/26 19:19	1
Nickel	0.0020	cn	0.0010	0.00041	mg/L		06/09/26 15:20	06/10/26 19:19	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: Field Blank 4

Lab Sample ID: 410-286525-10

Date Collected: 06/03/26 08:10

Matrix: Water

Date Received: 06/03/26 17:05

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/16/26 10:47	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/16/26 10:47	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/16/26 10:47	1
Styrene	ND		5.0	0.30	ug/L			06/16/26 10:47	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/16/26 10:47	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/16/26 10:47	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/16/26 10:47	1
4-Methyl-2-pentanone	ND	^c cn	10	0.50	ug/L			06/16/26 10:47	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/16/26 10:47	1
Toluene	ND		1.0	0.30	ug/L			06/16/26 10:47	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/16/26 10:47	1
Cyclohexane	ND		5.0	1.0	ug/L			06/16/26 10:47	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/16/26 10:47	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/16/26 10:47	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/16/26 10:47	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/16/26 10:47	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/16/26 10:47	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/16/26 10:47	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/16/26 10:47	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/16/26 10:47	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			06/16/26 10:47	1
2-Hexanone	ND	^c cn	10	0.85	ug/L			06/16/26 10:47	1
Acetone	40		20	0.70	ug/L			06/16/26 10:47	1
Chloroform	ND		1.0	0.30	ug/L			06/16/26 10:47	1
Benzene	ND		1.0	0.30	ug/L			06/16/26 10:47	1
1,1,1-Trichloroethane	ND	^c cn	1.0	0.30	ug/L			06/16/26 10:47	1
Bromomethane	ND		1.0	0.30	ug/L			06/16/26 10:47	1
Chloromethane	ND	^c	2.0	0.55	ug/L			06/16/26 10:47	1
Chloroethane	ND	cn	1.0	0.30	ug/L			06/16/26 10:47	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/16/26 10:47	1
Methylene Chloride	0.49	J	1.0	0.30	ug/L			06/16/26 10:47	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/16/26 10:47	1
Bromoform	ND		4.0	1.0	ug/L			06/16/26 10:47	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/16/26 10:47	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/16/26 10:47	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/16/26 10:47	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/16/26 10:47	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/16/26 10:47	1
Freon 113	ND	^c cn	10	0.30	ug/L			06/16/26 10:47	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/16/26 10:47	1
2-Butanone	2.3	J ^c cn	10	1.0	ug/L			06/16/26 10:47	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/16/26 10:47	1
Trichloroethene	ND		1.0	0.30	ug/L			06/16/26 10:47	1
Methyl acetate	ND	^c cn	5.0	0.60	ug/L			06/16/26 10:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/16/26 10:47	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/16/26 10:47	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/16/26 10:47	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/16/26 10:47	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: Field Blank 4

Lab Sample ID: 410-286525-10

Date Collected: 06/03/26 08:10

Matrix: Water

Date Received: 06/03/26 17:05

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		06/16/26 10:47	1
Dibromofluoromethane (Surr)	113		80 - 120		06/16/26 10:47	1
4-Bromofluorobenzene (Surr)	92		80 - 120		06/16/26 10:47	1
Toluene-d8 (Surr)	92		80 - 120		06/16/26 10:47	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/04/26 10:56	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20	0.10	mg/L			06/15/26 22:51	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		3.5	0.97	ng/L		06/15/26 08:18	06/15/26 20:52	1
Perfluoropentanoic acid (PFPeA)	ND		1.8	0.53	ng/L		06/15/26 08:18	06/15/26 20:52	1
Perfluorohexanoic acid (PFHxA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 20:52	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8	0.70	ng/L		06/15/26 08:18	06/15/26 20:52	1
Perfluorooctanoic acid (PFOA)	ND		1.8	0.79	ng/L		06/15/26 08:18	06/15/26 20:52	1
Perfluorononanoic acid (PFNA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 20:52	1
Perfluorodecanoic acid (PFDA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 20:52	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 20:52	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 20:52	1
Perfluorotridecanoic acid (PFTriDA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 20:52	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 20:52	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 20:52	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 20:52	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.70	ng/L		06/15/26 08:18	06/15/26 20:52	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 20:52	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8	1.1	ng/L		06/15/26 08:18	06/15/26 20:52	1
Perfluorononanesulfonic acid (PFNS)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 20:52	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 20:52	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.53	ng/L		06/15/26 08:18	06/15/26 20:52	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.5	0.88	ng/L		06/15/26 08:18	06/15/26 20:52	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		3.5	0.88	ng/L		06/15/26 08:18	06/15/26 20:52	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.5	0.88	ng/L		06/15/26 08:18	06/15/26 20:52	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 20:52	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 20:52	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.8	0.97	ng/L		06/15/26 08:18	06/15/26 20:52	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 20:52	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 20:52	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: Field Blank 4

Lab Sample ID: 410-286525-10

Date Collected: 06/03/26 08:10

Matrix: Water

Date Received: 06/03/26 17:05

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.8	3.5	ng/L		06/15/26 08:18	06/15/26 20:52	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.8	3.5	ng/L		06/15/26 08:18	06/15/26 20:52	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.8	1.2	ng/L		06/15/26 08:18	06/15/26 20:52	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 20:52	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 20:52	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 20:52	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 20:52	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 20:52	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 20:52	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 20:52	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.5	0.88	ng/L		06/15/26 08:18	06/15/26 20:52	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		8.8	2.5	ng/L		06/15/26 08:18	06/15/26 20:52	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.8	2.2	ng/L		06/15/26 08:18	06/15/26 20:52	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	103		5 - 130	06/15/26 08:18	06/15/26 20:52	1
13C5 PFPeA	97.2		40 - 130	06/15/26 08:18	06/15/26 20:52	1
13C5 PFHxA	96.1		40 - 130	06/15/26 08:18	06/15/26 20:52	1
13C4 PFHpA	94.4		40 - 130	06/15/26 08:18	06/15/26 20:52	1
13C8 PFOA	96.4		40 - 130	06/15/26 08:18	06/15/26 20:52	1
13C9 PFNA	94.8		40 - 130	06/15/26 08:18	06/15/26 20:52	1
13C6 PFDA	90.5		40 - 130	06/15/26 08:18	06/15/26 20:52	1
13C7 PFUnA	88.3		30 - 130	06/15/26 08:18	06/15/26 20:52	1
13C2 PFTeDA	75.0		10 - 130	06/15/26 08:18	06/15/26 20:52	1
13C3 PFBS	98.4		40 - 135	06/15/26 08:18	06/15/26 20:52	1
13C3 PFHxS	96.3		40 - 130	06/15/26 08:18	06/15/26 20:52	1
13C8 PFOS	88.0		40 - 130	06/15/26 08:18	06/15/26 20:52	1
13C8 FOSA	81.6		40 - 130	06/15/26 08:18	06/15/26 20:52	1
d3-NMeFOSAA	70.1		40 - 170	06/15/26 08:18	06/15/26 20:52	1
d5-NEtFOSAA	68.1		25 - 135	06/15/26 08:18	06/15/26 20:52	1
13C2 4:2 FTS	75.0		40 - 200	06/15/26 08:18	06/15/26 20:52	1
13C2 6:2 FTS	76.3		40 - 200	06/15/26 08:18	06/15/26 20:52	1
13C2 8:2 FTS	101		40 - 300	06/15/26 08:18	06/15/26 20:52	1
13C3 HFPO-DA	91.4		40 - 130	06/15/26 08:18	06/15/26 20:52	1
d7-N-MeFOSE-M	63.8		10 - 130	06/15/26 08:18	06/15/26 20:52	1
d9-N-EtFOSE-M	59.8		10 - 130	06/15/26 08:18	06/15/26 20:52	1
d5-NEtPFOSA	71.7		10 - 130	06/15/26 08:18	06/15/26 20:52	1
d3-NMePFOSA	71.7		10 - 130	06/15/26 08:18	06/15/26 20:52	1
13C2 PFDaA	85.7		10 - 130	06/15/26 08:18	06/15/26 20:52	1
13C3-3:3 FTCA	129		20 - 150	06/15/26 08:18	06/15/26 20:52	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: Field Blank 4

Lab Sample ID: 410-286525-10

Date Collected: 06/03/26 08:10

Matrix: Water

Date Received: 06/03/26 17:05

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-5:3 FTCA	97.2		20 - 150	06/15/26 08:18	06/15/26 20:52	1
13C3-PFDoS	68.0		20 - 150	06/15/26 08:18	06/15/26 20:52	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND	cn	0.0021	0.00057	mg/L		06/09/26 15:20	06/10/26 19:13	1
Manganese	ND	cn	0.0021	0.0013	mg/L		06/09/26 15:20	06/10/26 19:13	1
Nickel	ND	cn	0.0010	0.00041	mg/L		06/09/26 15:20	06/10/26 19:13	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: Field Blank 5

Lab Sample ID: 410-286525-11

Date Collected: 06/03/26 15:15

Matrix: Water

Date Received: 06/03/26 17:05

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/16/26 11:08	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/16/26 11:08	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/16/26 11:08	1
Styrene	ND		5.0	0.30	ug/L			06/16/26 11:08	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/16/26 11:08	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/16/26 11:08	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/16/26 11:08	1
4-Methyl-2-pentanone	ND	^c cn	10	0.50	ug/L			06/16/26 11:08	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/16/26 11:08	1
Toluene	ND		1.0	0.30	ug/L			06/16/26 11:08	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/16/26 11:08	1
Cyclohexane	ND		5.0	1.0	ug/L			06/16/26 11:08	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/16/26 11:08	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/16/26 11:08	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/16/26 11:08	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/16/26 11:08	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/16/26 11:08	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/16/26 11:08	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/16/26 11:08	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/16/26 11:08	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			06/16/26 11:08	1
2-Hexanone	ND	^c cn	10	0.85	ug/L			06/16/26 11:08	1
Acetone	32		20	0.70	ug/L			06/16/26 11:08	1
Chloroform	ND		1.0	0.30	ug/L			06/16/26 11:08	1
Benzene	ND		1.0	0.30	ug/L			06/16/26 11:08	1
1,1,1-Trichloroethane	ND	^c cn	1.0	0.30	ug/L			06/16/26 11:08	1
Bromomethane	ND		1.0	0.30	ug/L			06/16/26 11:08	1
Chloromethane	ND	^c	2.0	0.55	ug/L			06/16/26 11:08	1
Chloroethane	ND	cn	1.0	0.30	ug/L			06/16/26 11:08	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/16/26 11:08	1
Methylene Chloride	0.37	J	1.0	0.30	ug/L			06/16/26 11:08	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/16/26 11:08	1
Bromoform	ND		4.0	1.0	ug/L			06/16/26 11:08	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/16/26 11:08	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/16/26 11:08	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/16/26 11:08	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/16/26 11:08	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/16/26 11:08	1
Freon 113	ND	^c cn	10	0.30	ug/L			06/16/26 11:08	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/16/26 11:08	1
2-Butanone	2.3	J ^c cn	10	1.0	ug/L			06/16/26 11:08	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/16/26 11:08	1
Trichloroethene	ND		1.0	0.30	ug/L			06/16/26 11:08	1
Methyl acetate	ND	^c cn	5.0	0.60	ug/L			06/16/26 11:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/16/26 11:08	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/16/26 11:08	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/16/26 11:08	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/16/26 11:08	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: Field Blank 5

Lab Sample ID: 410-286525-11

Date Collected: 06/03/26 15:15

Matrix: Water

Date Received: 06/03/26 17:05

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		80 - 120		06/16/26 11:08	1
Dibromofluoromethane (Surr)	114		80 - 120		06/16/26 11:08	1
4-Bromofluorobenzene (Surr)	92		80 - 120		06/16/26 11:08	1
Toluene-d8 (Surr)	91		80 - 120		06/16/26 11:08	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/04/26 10:48	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20	0.10	mg/L			06/15/26 23:03	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		3.5	0.97	ng/L		06/15/26 08:18	06/15/26 21:32	1
Perfluoropentanoic acid (PFPeA)	ND		1.8	0.53	ng/L		06/15/26 08:18	06/15/26 21:32	1
Perfluorohexanoic acid (PFHxA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 21:32	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8	0.71	ng/L		06/15/26 08:18	06/15/26 21:32	1
Perfluorooctanoic acid (PFOA)	ND		1.8	0.80	ng/L		06/15/26 08:18	06/15/26 21:32	1
Perfluorononanoic acid (PFNA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 21:32	1
Perfluorodecanoic acid (PFDA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 21:32	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 21:32	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 21:32	1
Perfluorotridecanoic acid (PFTriDA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 21:32	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 21:32	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 21:32	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 21:32	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.71	ng/L		06/15/26 08:18	06/15/26 21:32	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 21:32	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8	1.2	ng/L		06/15/26 08:18	06/15/26 21:32	1
Perfluorononanesulfonic acid (PFNS)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 21:32	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 21:32	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.53	ng/L		06/15/26 08:18	06/15/26 21:32	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.5	0.89	ng/L		06/15/26 08:18	06/15/26 21:32	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		3.5	0.89	ng/L		06/15/26 08:18	06/15/26 21:32	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.5	0.89	ng/L		06/15/26 08:18	06/15/26 21:32	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 21:32	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 21:32	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.8	0.97	ng/L		06/15/26 08:18	06/15/26 21:32	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 21:32	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 21:32	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: Field Blank 5

Lab Sample ID: 410-286525-11

Date Collected: 06/03/26 15:15

Matrix: Water

Date Received: 06/03/26 17:05

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.9	3.5	ng/L		06/15/26 08:18	06/15/26 21:32	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.9	3.5	ng/L		06/15/26 08:18	06/15/26 21:32	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.8	1.2	ng/L		06/15/26 08:18	06/15/26 21:32	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 21:32	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 21:32	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 21:32	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 21:32	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 21:32	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 21:32	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.8	0.44	ng/L		06/15/26 08:18	06/15/26 21:32	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.5	0.89	ng/L		06/15/26 08:18	06/15/26 21:32	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		8.9	2.5	ng/L		06/15/26 08:18	06/15/26 21:32	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.9	2.2	ng/L		06/15/26 08:18	06/15/26 21:32	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	97.9		5 - 130				06/15/26 08:18	06/15/26 21:32	1
13C5 PFPeA	97.9		40 - 130				06/15/26 08:18	06/15/26 21:32	1
13C5 PFHxA	88.7		40 - 130				06/15/26 08:18	06/15/26 21:32	1
13C4 PFHpA	92.4		40 - 130				06/15/26 08:18	06/15/26 21:32	1
13C8 PFOA	86.4		40 - 130				06/15/26 08:18	06/15/26 21:32	1
13C9 PFNA	85.0		40 - 130				06/15/26 08:18	06/15/26 21:32	1
13C6 PFDA	77.4		40 - 130				06/15/26 08:18	06/15/26 21:32	1
13C7 PFUnA	80.8		30 - 130				06/15/26 08:18	06/15/26 21:32	1
13C2 PFTeDA	72.7		10 - 130				06/15/26 08:18	06/15/26 21:32	1
13C3 PFBS	91.3		40 - 135				06/15/26 08:18	06/15/26 21:32	1
13C3 PFHxS	85.4		40 - 130				06/15/26 08:18	06/15/26 21:32	1
13C8 PFOS	79.4		40 - 130				06/15/26 08:18	06/15/26 21:32	1
13C8 FOSA	77.9		40 - 130				06/15/26 08:18	06/15/26 21:32	1
d3-NMeFOSAA	62.1		40 - 170				06/15/26 08:18	06/15/26 21:32	1
d5-NEtFOSAA	60.0		25 - 135				06/15/26 08:18	06/15/26 21:32	1
13C2 4:2 FTS	76.1		40 - 200				06/15/26 08:18	06/15/26 21:32	1
13C2 6:2 FTS	73.7		40 - 200				06/15/26 08:18	06/15/26 21:32	1
13C2 8:2 FTS	95.8		40 - 300				06/15/26 08:18	06/15/26 21:32	1
13C3 HFPO-DA	86.3		40 - 130				06/15/26 08:18	06/15/26 21:32	1
d7-N-MeFOSE-M	62.7		10 - 130				06/15/26 08:18	06/15/26 21:32	1
d9-N-EtFOSE-M	59.6		10 - 130				06/15/26 08:18	06/15/26 21:32	1
d5-NEtPFOSA	64.9		10 - 130				06/15/26 08:18	06/15/26 21:32	1
d3-NMePFOSA	64.9		10 - 130				06/15/26 08:18	06/15/26 21:32	1
13C2 PFDoA	82.1		10 - 130				06/15/26 08:18	06/15/26 21:32	1
13C3-3:3 FTCA	127		20 - 150				06/15/26 08:18	06/15/26 21:32	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: Field Blank 5

Lab Sample ID: 410-286525-11

Date Collected: 06/03/26 15:15

Matrix: Water

Date Received: 06/03/26 17:05

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-5:3 FTCA	102		20 - 150	06/15/26 08:18	06/15/26 21:32	1
13C3-PFDoS	63.0		20 - 150	06/15/26 08:18	06/15/26 21:32	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND	cn	0.0021	0.00057	mg/L		06/09/26 15:20	06/10/26 19:17	1
Manganese	ND	cn	0.0021	0.0013	mg/L		06/09/26 15:20	06/10/26 19:17	1
Nickel	ND	cn	0.0010	0.00041	mg/L		06/09/26 15:20	06/10/26 19:17	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: TB060326

Lab Sample ID: 410-286525-12

Date Collected: 05/07/26 00:00

Matrix: Water

Date Received: 06/03/26 17:05

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/06/26 10:52	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/06/26 10:52	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/06/26 10:52	1
Styrene	ND		5.0	0.30	ug/L			06/06/26 10:52	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/06/26 10:52	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/06/26 10:52	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/06/26 10:52	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/06/26 10:52	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/06/26 10:52	1
Toluene	ND		1.0	0.30	ug/L			06/06/26 10:52	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/06/26 10:52	1
Cyclohexane	ND		5.0	1.0	ug/L			06/06/26 10:52	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/06/26 10:52	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/06/26 10:52	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/06/26 10:52	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/06/26 10:52	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/06/26 10:52	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/06/26 10:52	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/06/26 10:52	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/06/26 10:52	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/06/26 10:52	1
2-Hexanone	ND		10	0.85	ug/L			06/06/26 10:52	1
Acetone	ND		20	0.70	ug/L			06/06/26 10:52	1
Chloroform	ND		1.0	0.30	ug/L			06/06/26 10:52	1
Benzene	ND		1.0	0.30	ug/L			06/06/26 10:52	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/06/26 10:52	1
Bromomethane	ND		1.0	0.30	ug/L			06/06/26 10:52	1
Chloromethane	ND		2.0	0.55	ug/L			06/06/26 10:52	1
Chloroethane	ND		1.0	0.30	ug/L			06/06/26 10:52	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/06/26 10:52	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/06/26 10:52	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/06/26 10:52	1
Bromoform	ND		4.0	1.0	ug/L			06/06/26 10:52	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/06/26 10:52	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/06/26 10:52	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/06/26 10:52	1
Trichlorofluoromethane	ND	^c cn	1.0	0.30	ug/L			06/06/26 10:52	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/06/26 10:52	1
Freon 113	ND		10	0.30	ug/L			06/06/26 10:52	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/06/26 10:52	1
2-Butanone	ND		10	1.0	ug/L			06/06/26 10:52	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/06/26 10:52	1
Trichloroethene	ND		1.0	0.30	ug/L			06/06/26 10:52	1
Methyl acetate	ND		5.0	0.60	ug/L			06/06/26 10:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/06/26 10:52	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/06/26 10:52	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/06/26 10:52	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/06/26 10:52	1

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Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: TB060326

Lab Sample ID: 410-286525-12

Date Collected: 05/07/26 00:00

Matrix: Water

Date Received: 06/03/26 17:05

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	107		80 - 120		06/06/26 10:52	1
Dibromofluoromethane (Surr)	96		80 - 120		06/06/26 10:52	1
4-Bromofluorobenzene (Surr)	100		80 - 120		06/06/26 10:52	1
Toluene-d8 (Surr)	104		80 - 120		06/06/26 10:52	1

Surrogate Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (80-120)	DBFM (80-120)	BFB (80-120)	TOL (80-120)
410-286525-1	MW-2	105	113	92	92
410-286525-1 MS	MW-2	104	110	94	92
410-286525-1 MSD	MW-2	101	109	95	93
410-286525-2	MW-3	106	113	94	91
410-286525-3	MW-25A	110	114	91	94
410-286525-4	MW-25B	105	112	92	92
410-286525-4 - DL	MW-25B	104	115	92	94
410-286525-4 - DL2	MW-25B	104	105	104	100
410-286525-5	MW-25C	104	112	92	91
410-286525-5 - DL	MW-25C	102	103	102	101
410-286525-6	MW-11	105	115	92	92
410-286525-7	MW-18	104	113	90	91
410-286525-8	MW-72	105	113	91	95
410-286525-8 - DL	MW-72	108	116	88	91
410-286525-8 - DL2	MW-72	100	102	102	100
410-286525-9	MW-73	104	116	92	93
410-286525-9 - DL	MW-73	106	118	93	90
410-286525-10	Field Blank 4	103	113	92	92
410-286525-11	Field Blank 5	107	114	92	91
410-286525-12	TB060326	107	96	100	104
LCS 410-830737/4	Lab Control Sample	107	97	102	106
LCS 410-835835/5	Lab Control Sample	102	106	96	93
LCS 410-836607/4	Lab Control Sample	100	100	101	99
LCSD 410-830737/5	Lab Control Sample Dup	104	96	103	106
LCSD 410-836607/5	Lab Control Sample Dup	104	101	100	98
MB 410-830737/7	Method Blank	106	96	98	103
MB 410-835835/7	Method Blank	103	113	93	90
MB 410-836607/7	Method Blank	101	102	103	101

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
DBFM = Dibromofluoromethane (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)

Isotope Dilution Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (5-130)	PFPeA (40-130)	13C5PHA (40-130)	C4PFHA (40-130)	C8PFOA (40-130)	C9PFNA (40-130)	C6PFDA (40-130)	13C7PUA (30-130)
410-286525-1	MW-2	95.4	88.3	89.5	85.8	95.7	88.4	84.2	82.2
410-286525-1 MS	MW-2	99.0	91.0	96.0	89.0	95.9	94.3	92.8	89.0
410-286525-1 MSD	MW-2	98.9	91.9	91.8	93.4	88.4	88.7	86.0	79.2
410-286525-2	MW-3	100	91.8	91.0	93.1	92.7	87.6	80.7	75.2
410-286525-3	MW-25A	96.2	91.2	90.9	87.6	89.9	88.2	77.9	73.4
410-286525-4	MW-25B	97.5	94.1	94.9	90.9	91.9	91.8	85.2	80.3
410-286525-5	MW-25C	97.7	92.7	92.1	87.7	89.8	86.7	81.2	77.9
410-286525-6	MW-11	96.6 cn	90.6 cn	88.4 cn	87.3 cn	92.3 cn	87.1 cn	76.8 cn	65.4 cn
410-286525-7	MW-18	100	96.4	93.7	89.8	99.6	90.7	86.5	83.1
410-286525-8	MW-72	99.4 cn	76.6 cn	92.2 cn	86.4 cn	87.6 cn	84.0 cn	74.5 cn	68.8 cn
410-286525-9	MW-73	96.9 cn	81.1 cn	90.6 cn	85.0 cn	92.1 cn	89.5 cn	77.8 cn	65.0 cn
410-286525-10	Field Blank 4	103	97.2	96.1	94.4	96.4	94.8	90.5	88.3
410-286525-11	Field Blank 5	97.9	97.9	88.7	92.4	86.4	85.0	77.4	80.8
LCS 410-835234/20-A	Lab Control Sample	93.8	90.1	87.3	83.0	86.3	85.1	82.3	83.0
LLCS 410-835234/21-A	Lab Control Sample	104	94.7	94.1	94.3	93.8	93.3	85.3	83.5
MB 410-835234/19-A	Method Blank	97.6	97.5	92.1	84.7	81.8	81.0	76.9	81.7
		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFTDA (10-130)	C3PFBS (40-135)	C3PFHS (40-130)	C8PFOS (40-130)	PFOSA (40-130)	d3NMFOS (40-170)	d5NEFOS (25-135)	M242FTS (40-200)
410-286525-1	MW-2	74.1	99.0	91.7	84.8	83.4	71.0	67.5	157
410-286525-1 MS	MW-2	72.6	101	96.3	93.5	87.9	74.3	74.1	148
410-286525-1 MSD	MW-2	64.5	104	91.7	88.0	82.6	69.2	64.1	149
410-286525-2	MW-3	63.5	98.1	89.0	80.9	75.9	62.4	61.9	130
410-286525-3	MW-25A	58.1	91.9	88.4	81.3	74.5	66.5	61.7	112
410-286525-4	MW-25B	68.0	93.8	90.0	83.8	80.5	78.3	69.6	120
410-286525-5	MW-25C	66.5	91.4	84.3	85.9	78.9	63.1	57.8	86.9
410-286525-6	MW-11	22.1 cn	93.3 cn	88.7 cn	76.7 cn	58.3 cn	51.5 cn	46.7 cn	92.9 cn
410-286525-7	MW-18	69.7	101	93.2	87.4	80.0	64.9	59.3	94.8
410-286525-8	MW-72	30.9 cn	96.5 cn	88.5 cn	78.5 cn	69.9 cn	68.7 cn	65.5 cn	211 *5+ cn
410-286525-9	MW-73	23.1 cn	95.0 cn	87.5 cn	77.7 cn	61.8 cn	68.2 cn	53.4 cn	152 cn
410-286525-10	Field Blank 4	75.0	98.4	96.3	88.0	81.6	70.1	68.1	75.0
410-286525-11	Field Blank 5	72.7	91.3	85.4	79.4	77.9	62.1	60.0	76.1
LCS 410-835234/20-A	Lab Control Sample	73.6	90.1	86.7	86.2	75.6	64.6	61.9	73.2
LLCS 410-835234/21-A	Lab Control Sample	77.3	94.5	90.5	89.6	88.6	76.1	69.9	79.1
MB 410-835234/19-A	Method Blank	70.0	86.2	78.5	78.2	75.9	62.1	61.4	71.5
		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M262FTS (40-200)	M282FTS (40-300)	HFPODA (40-130)	NMFM (10-130)	NEFM (10-130)	d5NPFSA (10-130)	d3NMFSA (10-130)	PFDaA (10-130)
410-286525-1	MW-2	117	118	83.2	62.3	60.5	65.8	68.0	84.4
410-286525-1 MS	MW-2	119	126	84.5	76.2	68.6	71.5	74.0	88.9
410-286525-1 MSD	MW-2	121	111	84.8	53.9	50.2	64.0	68.5	78.5
410-286525-2	MW-3	89.5	99.2	84.1	56.1	48.2	61.7	64.7	73.6
410-286525-3	MW-25A	84.9	98.9	84.9	44.3	36.4	59.5	62.1	73.8
410-286525-4	MW-25B	91.5	95.0	87.2	48.6	42.9	66.9	67.1	80.2
410-286525-5	MW-25C	80.5	90.3	80.3	48.8	41.6	62.3	65.3	78.1
410-286525-6	MW-11	121 cn	86.3 cn	84.3 cn	31.7 cn	24.3 cn	28.5 cn	34.8 cn	46.6 cn
410-286525-7	MW-18	81.5	101	90.2	49.5	42.3	68.1	70.1	80.3
410-286525-8	MW-72	163 cn	123 cn	80.1 cn	40.2 cn	33.5 cn	37.2 cn	42.7 cn	60.1 cn

Eurofins Lancaster Laboratories Environment Testing, LLC

Isotope Dilution Summary

Client: Groundwater & Environmental Services Inc

Job ID: 410-286525-1

Project/Site: GTAC-Bishop Tube

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M262FTS (40-200)	M282FTS (40-300)	HFPODA (40-130)	NMFM (10-130)	NEFM (10-130)	d5NPFSA (10-130)	d3NMFSA (10-130)	PFD _o A (10-130)
410-286525-9	MW-73	149 cn	114 cn	81.4 cn	37.9 cn	28.1 cn	33.8 cn	41.3 cn	47.7 cn
410-286525-10	Field Blank 4	76.3	101	91.4	63.8	59.8	71.7	71.7	85.7
410-286525-11	Field Blank 5	73.7	95.8	86.3	62.7	59.6	64.9	64.9	82.1
LCS 410-835234/20-A	Lab Control Sample	68.0	106	81.9	60.1	58.0	65.7	65.2	83.7
LLCS 410-835234/21-A	Lab Control Sample	75.4	107	90.2	82.6	76.8	75.6	75.6	86.3
MB 410-835234/19-A	Method Blank	71.4	101	86.9	57.2	52.9	63.1	62.0	80.7

		Percent Isotope Dilution Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	13-3:3 FTC/ (20-150)	13-5:3 FTC/ (20-150)	3C3-PFD _o S (20-150)
410-286525-1	MW-2	132	108	65.4
410-286525-1 MS	MW-2	131	109	71.9
410-286525-1 MSD	MW-2	134	107	62.0
410-286525-2	MW-3	125	107	59.0
410-286525-3	MW-25A	133	105	57.3
410-286525-4	MW-25B	129	109	63.9
410-286525-5	MW-25C	119	101	58.2
410-286525-6	MW-11	125 cn	103 cn	20.6 cn
410-286525-7	MW-18	136	106	61.0
410-286525-8	MW-72	115 cn	140 cn	28.8 cn
410-286525-9	MW-73	114 cn	110 cn	23.2 cn
410-286525-10	Field Blank 4	129	97.2	68.0
410-286525-11	Field Blank 5	127	102	63.0
LCS 410-835234/20-A	Lab Control Sample	116	83.6	63.4
LLCS 410-835234/21-A	Lab Control Sample	117	94.8	70.3
MB 410-835234/19-A	Method Blank	124	89.4	59.6

Surrogate Legend

PFBA = 13C4 PFBA
 PFPeA = 13C5 PFPeA
 13C5PHA = 13C5 PFHxA
 C4PFHA = 13C4 PFHpA
 C8PFOA = 13C8 PFOA
 C9PFNA = 13C9 PFNA
 C6PFDA = 13C6 PFDA
 13C7PUA = 13C7 PFUnA
 PFTDA = 13C2 PFTeDA
 C3PFBS = 13C3 PFBS
 C3PFHS = 13C3 PFHxS
 C8PFOS = 13C8 PFOS
 PFOSA = 13C8 FOSA
 d3NMFOA = d3-NMeFOA
 d5NEFOA = d5-NEtFOA
 M242FTS = 13C2 4:2 FTS
 M262FTS = 13C2 6:2 FTS
 M282FTS = 13C2 8:2 FTS
 HFPODA = 13C3 HFPO-DA
 NMFM = d7-N-MeFOSE-M
 NEFM = d9-N-EtFOSE-M
 d5NPFSA = d5-NEtPFOSA
 d3NMFSA = d3-NMePFOSA

Isotope Dilution Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube
PFD_oA = 13C₂ PFD_oA
C₃-3:3 FTCA = 13C₃-3:3 FTCA
C₃-5:3 FTCA = 13C₃-5:3 FTCA
13C₃-PFD_oS = 13C₃-PFD_oS

Job ID: 410-286525-1

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 410-830737/7

Matrix: Water

Analysis Batch: 830737

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/06/26 10:23	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/06/26 10:23	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/06/26 10:23	1
Styrene	ND		5.0	0.30	ug/L			06/06/26 10:23	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/06/26 10:23	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/06/26 10:23	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/06/26 10:23	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/06/26 10:23	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/06/26 10:23	1
Toluene	ND		1.0	0.30	ug/L			06/06/26 10:23	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/06/26 10:23	1
Cyclohexane	ND		5.0	1.0	ug/L			06/06/26 10:23	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/06/26 10:23	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/06/26 10:23	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/06/26 10:23	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/06/26 10:23	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/06/26 10:23	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/06/26 10:23	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/06/26 10:23	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/06/26 10:23	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/06/26 10:23	1
2-Hexanone	ND		10	0.85	ug/L			06/06/26 10:23	1
Acetone	ND		20	0.70	ug/L			06/06/26 10:23	1
Chloroform	ND		1.0	0.30	ug/L			06/06/26 10:23	1
Benzene	ND		1.0	0.30	ug/L			06/06/26 10:23	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/06/26 10:23	1
Bromomethane	ND		1.0	0.30	ug/L			06/06/26 10:23	1
Chloromethane	ND		2.0	0.55	ug/L			06/06/26 10:23	1
Chloroethane	ND		1.0	0.30	ug/L			06/06/26 10:23	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/06/26 10:23	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/06/26 10:23	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/06/26 10:23	1
Bromoform	ND		4.0	1.0	ug/L			06/06/26 10:23	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/06/26 10:23	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/06/26 10:23	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/06/26 10:23	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/06/26 10:23	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/06/26 10:23	1
Freon 113	ND		10	0.30	ug/L			06/06/26 10:23	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/06/26 10:23	1
2-Butanone	ND		10	1.0	ug/L			06/06/26 10:23	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/06/26 10:23	1
Trichloroethene	ND		1.0	0.30	ug/L			06/06/26 10:23	1
Methyl acetate	ND		5.0	0.60	ug/L			06/06/26 10:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/06/26 10:23	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/06/26 10:23	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/06/26 10:23	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/06/26 10:23	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-830737/7

Matrix: Water

Analysis Batch: 830737

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		80 - 120		06/06/26 10:23	1
Dibromofluoromethane (Surr)	96		80 - 120		06/06/26 10:23	1
4-Bromofluorobenzene (Surr)	98		80 - 120		06/06/26 10:23	1
Toluene-d8 (Surr)	103		80 - 120		06/06/26 10:23	1

Lab Sample ID: LCS 410-830737/4

Matrix: Water

Analysis Batch: 830737

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	20.0	17.7		ug/L		89	75 - 120
trans-1,3-Dichloropropene	20.0	19.8		ug/L		99	67 - 120
Ethylbenzene	20.0	20.2		ug/L		101	80 - 120
Styrene	20.0	19.2		ug/L		96	80 - 120
1,4-Dichlorobenzene	20.0	19.7		ug/L		98	80 - 120
1,2-Dibromoethane	20.0	19.8		ug/L		99	77 - 120
1,2-Dichloroethane	20.0	20.1		ug/L		101	73 - 124
4-Methyl-2-pentanone	250	264		ug/L		106	62 - 133
Methylcyclohexane	20.0	15.9		ug/L		80	60 - 121
Toluene	20.0	20.4		ug/L		102	80 - 120
Chlorobenzene	20.0	19.1		ug/L		96	80 - 120
Cyclohexane	20.0	18.2		ug/L		91	60 - 126
1,2,4-Trichlorobenzene	20.0	19.2		ug/L		96	63 - 127
Dibromochloromethane	20.0	18.4		ug/L		92	71 - 120
Xylenes, Total	60.0	58.9		ug/L		98	80 - 120
Tetrachloroethene	20.0	17.8		ug/L		89	80 - 120
cis-1,2-Dichloroethene	20.0	19.1		ug/L		95	80 - 125
trans-1,2-Dichloroethene	20.0	18.8		ug/L		94	80 - 126
Methyl tertiary butyl ether	20.0	19.5		ug/L		97	69 - 122
1,3-Dichlorobenzene	20.0	19.4		ug/L		97	80 - 120
Carbon tetrachloride	20.0	17.2		ug/L		86	64 - 134
2-Hexanone	250	286		ug/L		114	56 - 143
Acetone	250	223		ug/L		89	57 - 150
Chloroform	20.0	18.8		ug/L		94	72 - 120
Benzene	20.0	19.0		ug/L		95	80 - 120
1,1,1-Trichloroethane	20.0	18.4		ug/L		92	73 - 120
Bromomethane	20.0	18.8		ug/L		94	61 - 128
Chloromethane	20.0	20.7		ug/L		103	48 - 134
Chloroethane	20.0	21.4		ug/L		107	67 - 123
Vinyl chloride	20.0	19.1		ug/L		95	56 - 120
Methylene Chloride	20.0	19.1		ug/L		95	80 - 120
Carbon disulfide	20.0	13.6		ug/L		68	55 - 139
Bromoform	20.0	16.9		ug/L		85	63 - 128
Bromodichloromethane	20.0	18.4		ug/L		92	71 - 120
1,1-Dichloroethane	20.0	20.2		ug/L		101	80 - 126
1,1-Dichloroethene	20.0	19.4		ug/L		97	80 - 131
Trichlorofluoromethane	20.0	12.7		ug/L		63	57 - 120
Dichlorodifluoromethane	20.0	11.5		ug/L		57	40 - 127

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-830737/4

Matrix: Water

Analysis Batch: 830737

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Freon 113	20.0	16.3		ug/L		81	57 - 122
1,2-Dichloropropane	20.0	19.3		ug/L		97	80 - 120
2-Butanone	250	245		ug/L		98	59 - 135
1,1,2-Trichloroethane	20.0	20.4		ug/L		102	80 - 120
Trichloroethene	20.0	18.1		ug/L		91	80 - 120
Methyl acetate	20.0	20.5		ug/L		103	55 - 157
1,1,2,2-Tetrachloroethane	20.0	21.3		ug/L		106	72 - 127
1,2-Dichlorobenzene	20.0	19.4		ug/L		97	80 - 120
1,2-Dibromo-3-Chloropropane	20.0	18.3		ug/L		91	60 - 120
Isopropylbenzene	20.0	19.8		ug/L		99	80 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	107		80 - 120
Dibromofluoromethane (Surr)	97		80 - 120
4-Bromofluorobenzene (Surr)	102		80 - 120
Toluene-d8 (Surr)	106		80 - 120

Lab Sample ID: LCSD 410-830737/5

Matrix: Water

Analysis Batch: 830737

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	20.0	17.9		ug/L		90	75 - 120	1	30
trans-1,3-Dichloropropene	20.0	20.1		ug/L		100	67 - 120	1	30
Ethylbenzene	20.0	20.7		ug/L		104	80 - 120	3	30
Styrene	20.0	19.6		ug/L		98	80 - 120	2	30
1,4-Dichlorobenzene	20.0	19.5		ug/L		97	80 - 120	1	30
1,2-Dibromoethane	20.0	20.3		ug/L		101	77 - 120	3	30
1,2-Dichloroethane	20.0	20.1		ug/L		100	73 - 124	0	30
4-Methyl-2-pentanone	250	265		ug/L		106	62 - 133	0	30
Methylcyclohexane	20.0	16.3		ug/L		82	60 - 121	2	30
Toluene	20.0	20.7		ug/L		104	80 - 120	2	30
Chlorobenzene	20.0	20.1		ug/L		101	80 - 120	5	30
Cyclohexane	20.0	18.4		ug/L		92	60 - 126	1	30
1,2,4-Trichlorobenzene	20.0	18.7		ug/L		93	63 - 127	3	30
Dibromochloromethane	20.0	18.6		ug/L		93	71 - 120	2	30
Xylenes, Total	60.0	60.8		ug/L		101	80 - 120	3	30
Tetrachloroethene	20.0	18.3		ug/L		92	80 - 120	3	30
cis-1,2-Dichloroethene	20.0	18.9		ug/L		95	80 - 125	1	30
trans-1,2-Dichloroethene	20.0	19.0		ug/L		95	80 - 126	1	30
Methyl tertiary butyl ether	20.0	19.4		ug/L		97	69 - 122	0	30
1,3-Dichlorobenzene	20.0	19.4		ug/L		97	80 - 120	0	30
Carbon tetrachloride	20.0	18.3		ug/L		92	64 - 134	6	30
2-Hexanone	250	289		ug/L		116	56 - 143	1	30
Acetone	250	222		ug/L		89	57 - 150	0	30
Chloroform	20.0	19.3		ug/L		97	72 - 120	3	30
Benzene	20.0	19.2		ug/L		96	80 - 120	1	30
1,1,1-Trichloroethane	20.0	19.2		ug/L		96	73 - 120	4	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-830737/5

Matrix: Water

Analysis Batch: 830737

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromomethane	20.0	19.3		ug/L		97	61 - 128	3	30
Chloromethane	20.0	21.1		ug/L		105	48 - 134	2	30
Chloroethane	20.0	22.1		ug/L		111	67 - 123	3	30
Vinyl chloride	20.0	20.5		ug/L		103	56 - 120	7	30
Methylene Chloride	20.0	19.6		ug/L		98	80 - 120	3	30
Carbon disulfide	20.0	12.7		ug/L		63	55 - 139	7	30
Bromoform	20.0	17.0		ug/L		85	63 - 128	0	30
Bromodichloromethane	20.0	18.6		ug/L		93	71 - 120	1	30
1,1-Dichloroethane	20.0	20.8		ug/L		104	80 - 126	3	30
1,1-Dichloroethene	20.0	20.3		ug/L		101	80 - 131	4	30
Trichlorofluoromethane	20.0	13.7		ug/L		69	57 - 120	8	30
Dichlorodifluoromethane	20.0	11.9		ug/L		59	40 - 127	4	30
Freon 113	20.0	16.7		ug/L		83	57 - 122	2	30
1,2-Dichloropropane	20.0	19.6		ug/L		98	80 - 120	2	30
2-Butanone	250	244		ug/L		98	59 - 135	0	30
1,1,2-Trichloroethane	20.0	20.8		ug/L		104	80 - 120	2	30
Trichloroethene	20.0	18.6		ug/L		93	80 - 120	2	30
Methyl acetate	20.0	20.2		ug/L		101	55 - 157	2	30
1,1,2,2-Tetrachloroethane	20.0	20.7		ug/L		104	72 - 127	3	30
1,2-Dichlorobenzene	20.0	19.4		ug/L		97	80 - 120	0	30
1,2-Dibromo-3-Chloropropane	20.0	18.7		ug/L		94	60 - 120	2	30
Isopropylbenzene	20.0	20.5		ug/L		103	80 - 132	4	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	96		80 - 120
4-Bromofluorobenzene (Surr)	103		80 - 120
Toluene-d8 (Surr)	106		80 - 120

Lab Sample ID: MB 410-835835/7

Matrix: Water

Analysis Batch: 835835

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/16/26 09:42	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/16/26 09:42	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/16/26 09:42	1
Styrene	ND		5.0	0.30	ug/L			06/16/26 09:42	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/16/26 09:42	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/16/26 09:42	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/16/26 09:42	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/16/26 09:42	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/16/26 09:42	1
Toluene	ND		1.0	0.30	ug/L			06/16/26 09:42	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/16/26 09:42	1
Cyclohexane	ND		5.0	1.0	ug/L			06/16/26 09:42	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/16/26 09:42	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/16/26 09:42	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-835835/7

Matrix: Water

Analysis Batch: 835835

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		1.0	0.40	ug/L			06/16/26 09:42	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/16/26 09:42	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/16/26 09:42	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/16/26 09:42	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/16/26 09:42	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/16/26 09:42	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/16/26 09:42	1
2-Hexanone	ND		10	0.85	ug/L			06/16/26 09:42	1
Acetone	ND		20	0.70	ug/L			06/16/26 09:42	1
Chloroform	ND		1.0	0.30	ug/L			06/16/26 09:42	1
Benzene	ND		1.0	0.30	ug/L			06/16/26 09:42	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/16/26 09:42	1
Bromomethane	ND		1.0	0.30	ug/L			06/16/26 09:42	1
Chloromethane	ND		2.0	0.55	ug/L			06/16/26 09:42	1
Chloroethane	ND		1.0	0.30	ug/L			06/16/26 09:42	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/16/26 09:42	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/16/26 09:42	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/16/26 09:42	1
Bromoform	ND		4.0	1.0	ug/L			06/16/26 09:42	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/16/26 09:42	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/16/26 09:42	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/16/26 09:42	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/16/26 09:42	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/16/26 09:42	1
Freon 113	ND		10	0.30	ug/L			06/16/26 09:42	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/16/26 09:42	1
2-Butanone	ND		10	1.0	ug/L			06/16/26 09:42	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/16/26 09:42	1
Trichloroethene	ND		1.0	0.30	ug/L			06/16/26 09:42	1
Methyl acetate	ND		5.0	0.60	ug/L			06/16/26 09:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/16/26 09:42	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/16/26 09:42	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/16/26 09:42	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/16/26 09:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		06/16/26 09:42	1
Dibromofluoromethane (Surr)	113		80 - 120		06/16/26 09:42	1
4-Bromofluorobenzene (Surr)	93		80 - 120		06/16/26 09:42	1
Toluene-d8 (Surr)	90		80 - 120		06/16/26 09:42	1

Lab Sample ID: LCS 410-835835/5

Matrix: Water

Analysis Batch: 835835

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	20.0	17.0		ug/L		85	75 - 120
trans-1,3-Dichloropropene	20.0	17.1		ug/L		85	67 - 120

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-835835/5

Matrix: Water

Analysis Batch: 835835

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	20.0	18.0		ug/L		90	80 - 120
Styrene	20.0	18.6		ug/L		93	80 - 120
1,4-Dichlorobenzene	20.0	19.7		ug/L		98	80 - 120
1,2-Dibromoethane	20.0	20.4		ug/L		102	77 - 120
1,2-Dichloroethane	20.0	20.7		ug/L		103	73 - 124
4-Methyl-2-pentanone	250	196		ug/L		78	62 - 133
Methylcyclohexane	20.0	16.4		ug/L		82	60 - 121
Toluene	20.0	17.7		ug/L		89	80 - 120
Chlorobenzene	20.0	19.7		ug/L		99	80 - 120
Cyclohexane	20.0	15.0		ug/L		75	60 - 126
1,2,4-Trichlorobenzene	20.0	18.1		ug/L		90	63 - 127
Dibromochloromethane	20.0	20.8		ug/L		104	71 - 120
Xylenes, Total	60.0	55.6		ug/L		93	80 - 120
Tetrachloroethene	20.0	22.7		ug/L		113	80 - 120
cis-1,2-Dichloroethene	20.0	20.3		ug/L		101	80 - 125
trans-1,2-Dichloroethene	20.0	20.2		ug/L		101	80 - 126
Methyl tertiary butyl ether	20.0	17.1		ug/L		85	69 - 122
1,3-Dichlorobenzene	20.0	19.2		ug/L		96	80 - 120
Carbon tetrachloride	20.0	24.0		ug/L		120	64 - 134
2-Hexanone	250	187		ug/L		75	56 - 143
Acetone	250	228		ug/L		91	57 - 150
Chloroform	20.0	17.3		ug/L		87	72 - 120
Benzene	20.0	18.4		ug/L		92	80 - 120
1,1,1-Trichloroethane	20.0	23.5		ug/L		117	73 - 120
Bromomethane	20.0	18.5		ug/L		92	61 - 128
Chloromethane	20.0	13.9		ug/L		69	48 - 134
Chloroethane	20.0	15.8		ug/L		79	67 - 123
Vinyl chloride	20.0	14.9		ug/L		75	56 - 120
Methylene Chloride	20.0	18.6		ug/L		93	80 - 120
Carbon disulfide	20.0	17.6		ug/L		88	55 - 139
Bromoform	20.0	21.7		ug/L		108	63 - 128
Bromodichloromethane	20.0	20.0		ug/L		100	71 - 120
1,1-Dichloroethane	20.0	18.6		ug/L		93	80 - 126
1,1-Dichloroethene	20.0	19.9		ug/L		100	80 - 131
Trichlorofluoromethane	20.0	16.6		ug/L		83	57 - 120
Dichlorodifluoromethane	20.0	17.1		ug/L		85	40 - 127
Freon 113	20.0	21.1		ug/L		106	57 - 122
1,2-Dichloropropane	20.0	16.8		ug/L		84	80 - 120
2-Butanone	250	181		ug/L		72	59 - 135
1,1,2-Trichloroethane	20.0	18.2		ug/L		91	80 - 120
Trichloroethene	20.0	19.8		ug/L		99	80 - 120
Methyl acetate	20.0	16.4		ug/L		82	55 - 157
1,1,2,2-Tetrachloroethane	20.0	16.0		ug/L		80	72 - 127
1,2-Dichlorobenzene	20.0	19.4		ug/L		97	80 - 120
1,2-Dibromo-3-Chloropropane	20.0	14.9		ug/L		74	60 - 120
Isopropylbenzene	20.0	18.3		ug/L		91	80 - 132

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-835835/5

Matrix: Water

Analysis Batch: 835835

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	106		80 - 120
4-Bromofluorobenzene (Surr)	96		80 - 120
Toluene-d8 (Surr)	93		80 - 120

Lab Sample ID: 410-286525-1 MS

Matrix: Water

Analysis Batch: 835835

Client Sample ID: MW-2

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	ND		20.0	16.1		ug/L		80	75 - 120
trans-1,3-Dichloropropene	ND		20.0	16.8		ug/L		84	67 - 120
Ethylbenzene	ND		20.0	18.2		ug/L		91	80 - 120
Styrene	ND		20.0	18.3		ug/L		91	80 - 120
1,4-Dichlorobenzene	ND		20.0	19.4		ug/L		97	80 - 120
1,2-Dibromoethane	ND		20.0	19.5		ug/L		97	77 - 120
1,2-Dichloroethane	ND		20.0	20.9		ug/L		104	73 - 124
4-Methyl-2-pentanone	ND	^c	250	191		ug/L		76	62 - 133
Methylcyclohexane	ND		20.0	18.0		ug/L		90	60 - 121
Toluene	ND		20.0	18.1		ug/L		91	80 - 120
Chlorobenzene	ND		20.0	19.8		ug/L		99	80 - 120
Cyclohexane	ND		20.0	16.2		ug/L		81	60 - 126
1,2,4-Trichlorobenzene	ND		20.0	17.7		ug/L		88	63 - 127
Dibromochloromethane	ND		20.0	20.4		ug/L		102	71 - 120
Xylenes, Total	ND		60.0	56.1		ug/L		94	80 - 120
Tetrachloroethene	1.2		20.0	24.2		ug/L		115	80 - 120
cis-1,2-Dichloroethene	7.9		20.0	28.0		ug/L		100	80 - 125
trans-1,2-Dichloroethene	ND		20.0	20.1		ug/L		100	80 - 126
Methyl tertiary butyl ether	ND		20.0	17.0		ug/L		85	69 - 122
1,3-Dichlorobenzene	ND		20.0	19.1		ug/L		95	80 - 120
Carbon tetrachloride	ND	^c	20.0	26.6		ug/L		133	64 - 134
2-Hexanone	ND	^c	250	178		ug/L		71	56 - 143
Acetone	1.4	J	250	226		ug/L		90	57 - 150
Chloroform	ND		20.0	17.1		ug/L		85	72 - 120
Benzene	ND		20.0	18.7		ug/L		93	80 - 120
1,1,1-Trichloroethane	2.0	^c FH	20.0	27.1	FH	ug/L		125	73 - 120
Bromomethane	ND		20.0	17.4		ug/L		87	61 - 128
Chloromethane	ND	^c	20.0	12.5		ug/L		63	48 - 134
Chloroethane	ND		20.0	15.2		ug/L		76	67 - 123
Vinyl chloride	ND		20.0	14.3		ug/L		72	56 - 120
Methylene Chloride	ND		20.0	18.2		ug/L		91	80 - 120
Carbon disulfide	ND		20.0	18.7		ug/L		93	55 - 139
Bromoform	ND		20.0	20.9		ug/L		105	63 - 128
Bromodichloromethane	ND		20.0	20.5		ug/L		102	71 - 120
1,1-Dichloroethane	ND		20.0	18.6		ug/L		93	80 - 126
1,1-Dichloroethene	ND		20.0	21.2		ug/L		106	80 - 131
Trichlorofluoromethane	ND		20.0	17.8		ug/L		89	57 - 120
Dichlorodifluoromethane	ND		20.0	16.7		ug/L		84	40 - 127

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 410-286525-1 MS

Matrix: Water

Analysis Batch: 835835

Client Sample ID: MW-2

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Freon 113	ND	^c	20.0	23.4		ug/L		117	57 - 122
1,2-Dichloropropane	ND		20.0	17.0		ug/L		85	80 - 120
2-Butanone	ND	^c	250	173		ug/L		69	59 - 135
1,1,2-Trichloroethane	ND		20.0	18.6		ug/L		93	80 - 120
Trichloroethene	24	FL	20.0	45.7		ug/L		110	80 - 120
Methyl acetate	ND	^c	20.0	15.0		ug/L		75	55 - 157
1,1,2,2-Tetrachloroethane	ND		20.0	14.7		ug/L		74	72 - 127
1,2-Dichlorobenzene	ND		20.0	19.6		ug/L		98	80 - 120
1,2-Dibromo-3-Chloropropane	ND		20.0	15.0		ug/L		75	60 - 120
Isopropylbenzene	ND		20.0	18.5		ug/L		92	80 - 132
Surrogate	MS %Recovery	MS Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	104		80 - 120						
Dibromofluoromethane (Surr)	110		80 - 120						
4-Bromofluorobenzene (Surr)	94		80 - 120						
Toluene-d8 (Surr)	92		80 - 120						

Lab Sample ID: 410-286525-1 MSD

Matrix: Water

Analysis Batch: 835835

Client Sample ID: MW-2

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	ND		20.0	16.6		ug/L		83	75 - 120	4	30
trans-1,3-Dichloropropene	ND		20.0	17.0		ug/L		85	67 - 120	1	30
Ethylbenzene	ND		20.0	18.7		ug/L		93	80 - 120	2	30
Styrene	ND		20.0	18.8		ug/L		94	80 - 120	3	30
1,4-Dichlorobenzene	ND		20.0	19.1		ug/L		96	80 - 120	2	30
1,2-Dibromoethane	ND		20.0	20.2		ug/L		101	77 - 120	4	30
1,2-Dichloroethane	ND		20.0	21.1		ug/L		105	73 - 124	1	30
4-Methyl-2-pentanone	ND	^c	250	193		ug/L		77	62 - 133	1	30
Methylcyclohexane	ND		20.0	18.3		ug/L		92	60 - 121	2	30
Toluene	ND		20.0	18.5		ug/L		92	80 - 120	2	30
Chlorobenzene	ND		20.0	20.3		ug/L		102	80 - 120	3	30
Cyclohexane	ND		20.0	16.5		ug/L		82	60 - 126	2	30
1,2,4-Trichlorobenzene	ND		20.0	18.5		ug/L		93	63 - 127	5	30
Dibromochloromethane	ND		20.0	20.8		ug/L		104	71 - 120	2	30
Xylenes, Total	ND		60.0	56.9		ug/L		95	80 - 120	1	30
Tetrachloroethene	1.2		20.0	24.8		ug/L		118	80 - 120	3	30
cis-1,2-Dichloroethene	7.9		20.0	27.4		ug/L		97	80 - 125	2	30
trans-1,2-Dichloroethene	ND		20.0	20.5		ug/L		102	80 - 126	2	30
Methyl tertiary butyl ether	ND		20.0	17.0		ug/L		85	69 - 122	0	30
1,3-Dichlorobenzene	ND		20.0	19.5		ug/L		98	80 - 120	2	30
Carbon tetrachloride	ND	^c	20.0	26.1		ug/L		131	64 - 134	2	30
2-Hexanone	ND	^c	250	184		ug/L		74	56 - 143	3	30
Acetone	1.4	J	250	259		ug/L		103	57 - 150	13	30
Chloroform	ND		20.0	18.0		ug/L		90	72 - 120	5	30
Benzene	ND		20.0	19.1		ug/L		95	80 - 120	2	30
1,1,1-Trichloroethane	2.0	^c FH	20.0	26.7	FH	ug/L		124	73 - 120	1	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 410-286525-1 MSD

Matrix: Water

Analysis Batch: 835835

Client Sample ID: MW-2

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromomethane	ND		20.0	18.1		ug/L		90	61 - 128	4	30
Chloromethane	ND	^c	20.0	13.0		ug/L		65	48 - 134	4	30
Chloroethane	ND		20.0	15.7		ug/L		79	67 - 123	3	30
Vinyl chloride	ND		20.0	14.7		ug/L		73	56 - 120	3	30
Methylene Chloride	ND		20.0	18.2		ug/L		91	80 - 120	0	30
Carbon disulfide	ND		20.0	19.2		ug/L		96	55 - 139	3	30
Bromoform	ND		20.0	21.8		ug/L		109	63 - 128	4	30
Bromodichloromethane	ND		20.0	20.8		ug/L		104	71 - 120	1	30
1,1-Dichloroethane	ND		20.0	18.8		ug/L		94	80 - 126	1	30
1,1-Dichloroethene	ND		20.0	21.7		ug/L		108	80 - 131	2	30
Trichlorofluoromethane	ND		20.0	18.0		ug/L		90	57 - 120	1	30
Dichlorodifluoromethane	ND		20.0	17.4		ug/L		87	40 - 127	4	30
Freon 113	ND	^c	20.0	24.2		ug/L		121	57 - 122	3	30
1,2-Dichloropropane	ND		20.0	17.1		ug/L		85	80 - 120	0	30
2-Butanone	ND	^c	250	177		ug/L		71	59 - 135	2	30
1,1,2-Trichloroethane	ND		20.0	18.5		ug/L		92	80 - 120	1	30
Trichloroethene	24	FL	20.0	34.1	FL	ug/L		52	80 - 120	29	30
Methyl acetate	ND	^c	20.0	13.1		ug/L		65	55 - 157	13	30
1,1,2,2-Tetrachloroethane	ND		20.0	15.6		ug/L		78	72 - 127	5	30
1,2-Dichlorobenzene	ND		20.0	19.2		ug/L		96	80 - 120	2	30
1,2-Dibromo-3-Chloropropane	ND		20.0	15.6		ug/L		78	60 - 120	4	30
Isopropylbenzene	ND		20.0	19.0		ug/L		95	80 - 132	3	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	109		80 - 120
4-Bromofluorobenzene (Surr)	95		80 - 120
Toluene-d8 (Surr)	93		80 - 120

Lab Sample ID: MB 410-836607/7

Matrix: Water

Analysis Batch: 836607

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/17/26 09:46	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/17/26 09:46	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/17/26 09:46	1
Styrene	ND		5.0	0.30	ug/L			06/17/26 09:46	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/17/26 09:46	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/17/26 09:46	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/17/26 09:46	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/17/26 09:46	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/17/26 09:46	1
Toluene	ND		1.0	0.30	ug/L			06/17/26 09:46	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/17/26 09:46	1
Cyclohexane	ND		5.0	1.0	ug/L			06/17/26 09:46	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/17/26 09:46	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/17/26 09:46	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-836607/7

Matrix: Water

Analysis Batch: 836607

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		1.0	0.40	ug/L			06/17/26 09:46	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/17/26 09:46	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/17/26 09:46	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/17/26 09:46	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/17/26 09:46	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/17/26 09:46	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/17/26 09:46	1
2-Hexanone	ND		10	0.85	ug/L			06/17/26 09:46	1
Acetone	ND		20	0.70	ug/L			06/17/26 09:46	1
Chloroform	ND		1.0	0.30	ug/L			06/17/26 09:46	1
Benzene	ND		1.0	0.30	ug/L			06/17/26 09:46	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/17/26 09:46	1
Bromomethane	ND		1.0	0.30	ug/L			06/17/26 09:46	1
Chloromethane	ND		2.0	0.55	ug/L			06/17/26 09:46	1
Chloroethane	ND		1.0	0.30	ug/L			06/17/26 09:46	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/17/26 09:46	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/17/26 09:46	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/17/26 09:46	1
Bromoform	ND		4.0	1.0	ug/L			06/17/26 09:46	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/17/26 09:46	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/17/26 09:46	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/17/26 09:46	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/17/26 09:46	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/17/26 09:46	1
Freon 113	ND		10	0.30	ug/L			06/17/26 09:46	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/17/26 09:46	1
2-Butanone	ND		10	1.0	ug/L			06/17/26 09:46	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/17/26 09:46	1
Trichloroethene	ND		1.0	0.30	ug/L			06/17/26 09:46	1
Methyl acetate	ND		5.0	0.60	ug/L			06/17/26 09:46	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/17/26 09:46	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/17/26 09:46	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/17/26 09:46	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/17/26 09:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		06/17/26 09:46	1
Dibromofluoromethane (Surr)	102		80 - 120		06/17/26 09:46	1
4-Bromofluorobenzene (Surr)	103		80 - 120		06/17/26 09:46	1
Toluene-d8 (Surr)	101		80 - 120		06/17/26 09:46	1

Lab Sample ID: LCS 410-836607/4

Matrix: Water

Analysis Batch: 836607

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	20.0	20.4		ug/L		102	75 - 120
trans-1,3-Dichloropropene	20.0	20.3		ug/L		101	67 - 120

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-836607/4

Matrix: Water

Analysis Batch: 836607

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	20.0	21.8		ug/L		109	80 - 120
Styrene	20.0	21.5		ug/L		108	80 - 120
1,4-Dichlorobenzene	20.0	20.8		ug/L		104	80 - 120
1,2-Dibromoethane	20.0	21.1		ug/L		105	77 - 120
1,2-Dichloroethane	20.0	21.0		ug/L		105	73 - 124
4-Methyl-2-pentanone	250	274		ug/L		110	62 - 133
Methylcyclohexane	20.0	20.9		ug/L		104	60 - 121
Toluene	20.0	21.1		ug/L		106	80 - 120
Chlorobenzene	20.0	21.3		ug/L		107	80 - 120
Cyclohexane	20.0	22.1		ug/L		110	60 - 126
1,2,4-Trichlorobenzene	20.0	21.1		ug/L		105	63 - 127
Dibromochloromethane	20.0	20.3		ug/L		102	71 - 120
Xylenes, Total	60.0	64.8		ug/L		108	80 - 120
Tetrachloroethene	20.0	21.6		ug/L		108	80 - 120
cis-1,2-Dichloroethene	20.0	22.0		ug/L		110	80 - 125
trans-1,2-Dichloroethene	20.0	22.0		ug/L		110	80 - 126
Methyl tertiary butyl ether	20.0	20.5		ug/L		103	69 - 122
1,3-Dichlorobenzene	20.0	21.5		ug/L		107	80 - 120
Carbon tetrachloride	20.0	22.6		ug/L		113	64 - 134
2-Hexanone	250	270		ug/L		108	56 - 143
Acetone	250	257		ug/L		103	57 - 150
Chloroform	20.0	21.5		ug/L		107	72 - 120
Benzene	20.0	21.3		ug/L		107	80 - 120
1,1,1-Trichloroethane	20.0	22.4		ug/L		112	73 - 120
Bromomethane	20.0	21.6		ug/L		108	61 - 128
Chloromethane	20.0	22.2		ug/L		111	48 - 134
Chloroethane	20.0	21.4		ug/L		107	67 - 123
Vinyl chloride	20.0	22.3		ug/L		112	56 - 120
Methylene Chloride	20.0	22.2		ug/L		111	80 - 120
Carbon disulfide	20.0	21.2		ug/L		106	55 - 139
Bromoform	20.0	20.9		ug/L		105	63 - 128
Bromodichloromethane	20.0	21.1		ug/L		106	71 - 120
1,1-Dichloroethane	20.0	22.1		ug/L		111	80 - 126
1,1-Dichloroethene	20.0	22.6		ug/L		113	80 - 131
Trichlorofluoromethane	20.0	18.9		ug/L		94	57 - 120
Dichlorodifluoromethane	20.0	21.1		ug/L		106	40 - 127
Freon 113	20.0	21.5		ug/L		108	57 - 122
1,2-Dichloropropane	20.0	21.4		ug/L		107	80 - 120
2-Butanone	250	257		ug/L		103	59 - 135
1,1,2-Trichloroethane	20.0	20.8		ug/L		104	80 - 120
Trichloroethene	20.0	21.2		ug/L		106	80 - 120
Methyl acetate	20.0	29.0		ug/L		145	55 - 157
1,1,2,2-Tetrachloroethane	20.0	19.9		ug/L		99	72 - 127
1,2-Dichlorobenzene	20.0	21.4		ug/L		107	80 - 120
1,2-Dibromo-3-Chloropropane	20.0	18.6		ug/L		93	60 - 120
Isopropylbenzene	20.0	22.5		ug/L		112	80 - 132

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-836607/4

Matrix: Water

Analysis Batch: 836607

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	101		80 - 120
Toluene-d8 (Surr)	99		80 - 120

Lab Sample ID: LCSD 410-836607/5

Matrix: Water

Analysis Batch: 836607

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	20.0	20.7		ug/L		103	75 - 120	1	30
trans-1,3-Dichloropropene	20.0	20.5		ug/L		103	67 - 120	1	30
Ethylbenzene	20.0	21.4		ug/L		107	80 - 120	2	30
Styrene	20.0	21.5		ug/L		107	80 - 120	0	30
1,4-Dichlorobenzene	20.0	20.7		ug/L		104	80 - 120	1	30
1,2-Dibromoethane	20.0	21.0		ug/L		105	77 - 120	0	30
1,2-Dichloroethane	20.0	20.8		ug/L		104	73 - 124	1	30
4-Methyl-2-pentanone	250	280		ug/L		112	62 - 133	2	30
Methylcyclohexane	20.0	20.4		ug/L		102	60 - 121	2	30
Toluene	20.0	20.8		ug/L		104	80 - 120	2	30
Chlorobenzene	20.0	20.9		ug/L		105	80 - 120	2	30
Cyclohexane	20.0	21.4		ug/L		107	60 - 126	3	30
1,2,4-Trichlorobenzene	20.0	20.4		ug/L		102	63 - 127	3	30
Dibromochloromethane	20.0	20.0		ug/L		100	71 - 120	2	30
Xylenes, Total	60.0	63.1		ug/L		105	80 - 120	3	30
Tetrachloroethene	20.0	20.5		ug/L		102	80 - 120	5	30
cis-1,2-Dichloroethene	20.0	21.0		ug/L		105	80 - 125	5	30
trans-1,2-Dichloroethene	20.0	21.1		ug/L		105	80 - 126	4	30
Methyl tertiary butyl ether	20.0	20.8		ug/L		104	69 - 122	1	30
1,3-Dichlorobenzene	20.0	20.7		ug/L		104	80 - 120	3	30
Carbon tetrachloride	20.0	22.1		ug/L		111	64 - 134	2	30
2-Hexanone	250	272		ug/L		109	56 - 143	1	30
Acetone	250	247		ug/L		99	57 - 150	4	30
Chloroform	20.0	21.0		ug/L		105	72 - 120	2	30
Benzene	20.0	21.1		ug/L		105	80 - 120	1	30
1,1,1-Trichloroethane	20.0	22.2		ug/L		111	73 - 120	1	30
Bromomethane	20.0	21.4		ug/L		107	61 - 128	1	30
Chloromethane	20.0	21.7		ug/L		109	48 - 134	2	30
Chloroethane	20.0	21.2		ug/L		106	67 - 123	1	30
Vinyl chloride	20.0	21.8		ug/L		109	56 - 120	3	30
Methylene Chloride	20.0	22.2		ug/L		111	80 - 120	0	30
Carbon disulfide	20.0	20.9		ug/L		105	55 - 139	1	30
Bromoform	20.0	20.8		ug/L		104	63 - 128	0	30
Bromodichloromethane	20.0	21.2		ug/L		106	71 - 120	1	30
1,1-Dichloroethane	20.0	21.4		ug/L		107	80 - 126	3	30
1,1-Dichloroethene	20.0	22.0		ug/L		110	80 - 131	3	30
Trichlorofluoromethane	20.0	18.4		ug/L		92	57 - 120	3	30
Dichlorodifluoromethane	20.0	20.7		ug/L		103	40 - 127	2	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-836607/5

Matrix: Water

Analysis Batch: 836607

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Freon 113	20.0	21.1		ug/L		105	57 - 122	2	30
1,2-Dichloropropane	20.0	21.2		ug/L		106	80 - 120	1	30
2-Butanone	250	262		ug/L		105	59 - 135	2	30
1,1,2-Trichloroethane	20.0	21.4		ug/L		107	80 - 120	3	30
Trichloroethene	20.0	20.9		ug/L		104	80 - 120	2	30
Methyl acetate	20.0	29.9		ug/L		149	55 - 157	3	30
1,1,1,2-Tetrachloroethane	20.0	20.2		ug/L		101	72 - 127	2	30
1,2-Dichlorobenzene	20.0	20.7		ug/L		103	80 - 120	3	30
1,2-Dibromo-3-Chloropropane	20.0	17.4		ug/L		87	60 - 120	7	30
Isopropylbenzene	20.0	21.7		ug/L		109	80 - 132	3	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	101		80 - 120
4-Bromofluorobenzene (Surr)	100		80 - 120
Toluene-d8 (Surr)	98		80 - 120

Method: 218.6 - Chromium, Hexavalent (Ion Chromatography)

Lab Sample ID: MB 410-828605/10

Matrix: Water

Analysis Batch: 828605

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/03/26 10:47	1

Lab Sample ID: MB 410-828605/75

Matrix: Water

Analysis Batch: 828605

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/04/26 08:57	1

Lab Sample ID: LCS 410-828605/74

Matrix: Water

Analysis Batch: 828605

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	0.100	0.0989		mg/L		99	90 - 110

Lab Sample ID: LCS 410-828605/9

Matrix: Water

Analysis Batch: 828605

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	0.100	0.101		mg/L		101	90 - 110

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Method: 218.6 - Chromium, Hexavalent (Ion Chromatography) (Continued)

Lab Sample ID: MB 410-830183/32

Matrix: Water

Analysis Batch: 830183

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/05/26 16:02	1

Lab Sample ID: LCS 410-830183/31

Matrix: Water

Analysis Batch: 830183

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	0.100	0.103		mg/L		103	90 - 110

Lab Sample ID: 410-286525-5 MS

Matrix: Water

Analysis Batch: 828605

Client Sample ID: MW-25C

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	ND		0.100	0.101		mg/L		101	75 - 125

Lab Sample ID: 410-286525-5 MSD

Matrix: Water

Analysis Batch: 828605

Client Sample ID: MW-25C

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cr (VI)	ND		0.100	0.101		mg/L		101	75 - 125	0	20

Lab Sample ID: 410-286525-1 MS

Matrix: Water

Analysis Batch: 830183

Client Sample ID: MW-2

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	ND		0.100	0.0997		mg/L		100	75 - 125

Lab Sample ID: 410-286525-1 MSD

Matrix: Water

Analysis Batch: 830183

Client Sample ID: MW-2

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cr (VI)	ND		0.100	0.0996		mg/L		100	75 - 125	0	20

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 410-835567/5

Matrix: Water

Analysis Batch: 835567

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20	0.10	mg/L			06/15/26 11:23	1

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 410-835567/3

Matrix: Water

Analysis Batch: 835567

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	1.50	1.54		mg/L		103	90 - 110

Lab Sample ID: LCSD 410-835567/4

Matrix: Water

Analysis Batch: 835567

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	1.50	1.55		mg/L		103	90 - 110	0	20

Lab Sample ID: MB 410-835577/5

Matrix: Water

Analysis Batch: 835577

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20	0.10	mg/L			06/15/26 17:16	1

Lab Sample ID: LCS 410-835577/3

Matrix: Water

Analysis Batch: 835577

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	1.50	1.51		mg/L		101	90 - 110

Lab Sample ID: LCSD 410-835577/4

Matrix: Water

Analysis Batch: 835577

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	1.50	1.51		mg/L		101	90 - 110	0	20

Lab Sample ID: 410-286525-1 MS

Matrix: Water

Analysis Batch: 835577

Client Sample ID: MW-2

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	ND		1.00	1.04		mg/L		104	90 - 110

Lab Sample ID: 410-286525-1 MSD

Matrix: Water

Analysis Batch: 835577

Client Sample ID: MW-2

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	ND		1.00	1.08		mg/L		108	90 - 110	4	20

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Lab Sample ID: MB 410-835234/19-A

Matrix: Water

Analysis Batch: 835324

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 835234

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.0	1.1	ng/L		06/15/26 08:18	06/15/26 17:41	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.60	ng/L		06/15/26 08:18	06/15/26 17:41	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.50	ng/L		06/15/26 08:18	06/15/26 17:41	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.80	ng/L		06/15/26 08:18	06/15/26 17:41	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.90	ng/L		06/15/26 08:18	06/15/26 17:41	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.50	ng/L		06/15/26 08:18	06/15/26 17:41	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.50	ng/L		06/15/26 08:18	06/15/26 17:41	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.50	ng/L		06/15/26 08:18	06/15/26 17:41	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.50	ng/L		06/15/26 08:18	06/15/26 17:41	1
Perfluorotridecanoic acid (PFTriDA)	ND		2.0	0.50	ng/L		06/15/26 08:18	06/15/26 17:41	1
Perfluorotetradecanoic acid (PFTeDA)	ND		2.0	0.50	ng/L		06/15/26 08:18	06/15/26 17:41	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.50	ng/L		06/15/26 08:18	06/15/26 17:41	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.50	ng/L		06/15/26 08:18	06/15/26 17:41	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.80	ng/L		06/15/26 08:18	06/15/26 17:41	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.50	ng/L		06/15/26 08:18	06/15/26 17:41	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	1.3	ng/L		06/15/26 08:18	06/15/26 17:41	1
Perfluorononanesulfonic acid (PFNS)	ND		2.0	0.50	ng/L		06/15/26 08:18	06/15/26 17:41	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.50	ng/L		06/15/26 08:18	06/15/26 17:41	1
Perfluorododecanesulfonic acid (PFDoS)	ND		2.0	0.60	ng/L		06/15/26 08:18	06/15/26 17:41	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		4.0	1.0	ng/L		06/15/26 08:18	06/15/26 17:41	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		4.0	1.0	ng/L		06/15/26 08:18	06/15/26 17:41	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		4.0	1.0	ng/L		06/15/26 08:18	06/15/26 17:41	1
Perfluorooctanesulfonamide (PFOSA)	ND		2.0	0.50	ng/L		06/15/26 08:18	06/15/26 17:41	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		2.0	0.50	ng/L		06/15/26 08:18	06/15/26 17:41	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		2.0	1.1	ng/L		06/15/26 08:18	06/15/26 17:41	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.0	0.50	ng/L		06/15/26 08:18	06/15/26 17:41	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.0	0.50	ng/L		06/15/26 08:18	06/15/26 17:41	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		10	4.0	ng/L		06/15/26 08:18	06/15/26 17:41	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		10	4.0	ng/L		06/15/26 08:18	06/15/26 17:41	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		2.0	1.4	ng/L		06/15/26 08:18	06/15/26 17:41	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.50	ng/L		06/15/26 08:18	06/15/26 17:41	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.50	ng/L		06/15/26 08:18	06/15/26 17:41	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.50	ng/L		06/15/26 08:18	06/15/26 17:41	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.50	ng/L		06/15/26 08:18	06/15/26 17:41	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		2.0	0.50	ng/L		06/15/26 08:18	06/15/26 17:41	1

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 410-835234/19-A

Matrix: Water

Analysis Batch: 835324

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 835234

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11CI-PF3OUdS)	ND		2.0	0.50	ng/L		06/15/26 08:18	06/15/26 17:41	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.50	ng/L		06/15/26 08:18	06/15/26 17:41	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		4.0	1.0	ng/L		06/15/26 08:18	06/15/26 17:41	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		10	2.8	ng/L		06/15/26 08:18	06/15/26 17:41	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		10	2.5	ng/L		06/15/26 08:18	06/15/26 17:41	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	97.6		5 - 130	06/15/26 08:18	06/15/26 17:41	1
13C5 PFPeA	97.5		40 - 130	06/15/26 08:18	06/15/26 17:41	1
13C5 PFHxA	92.1		40 - 130	06/15/26 08:18	06/15/26 17:41	1
13C4 PFHpA	84.7		40 - 130	06/15/26 08:18	06/15/26 17:41	1
13C8 PFOA	81.8		40 - 130	06/15/26 08:18	06/15/26 17:41	1
13C9 PFNA	81.0		40 - 130	06/15/26 08:18	06/15/26 17:41	1
13C6 PFDA	76.9		40 - 130	06/15/26 08:18	06/15/26 17:41	1
13C7 PFUnA	81.7		30 - 130	06/15/26 08:18	06/15/26 17:41	1
13C2 PFTeDA	70.0		10 - 130	06/15/26 08:18	06/15/26 17:41	1
13C3 PFBS	86.2		40 - 135	06/15/26 08:18	06/15/26 17:41	1
13C3 PFHxS	78.5		40 - 130	06/15/26 08:18	06/15/26 17:41	1
13C8 PFOS	78.2		40 - 130	06/15/26 08:18	06/15/26 17:41	1
13C8 FOSA	75.9		40 - 130	06/15/26 08:18	06/15/26 17:41	1
d3-NMeFOSAA	62.1		40 - 170	06/15/26 08:18	06/15/26 17:41	1
d5-NEtFOSAA	61.4		25 - 135	06/15/26 08:18	06/15/26 17:41	1
13C2 4:2 FTS	71.5		40 - 200	06/15/26 08:18	06/15/26 17:41	1
13C2 6:2 FTS	71.4		40 - 200	06/15/26 08:18	06/15/26 17:41	1
13C2 8:2 FTS	101		40 - 300	06/15/26 08:18	06/15/26 17:41	1
13C3 HFPO-DA	86.9		40 - 130	06/15/26 08:18	06/15/26 17:41	1
d7-N-MeFOSE-M	57.2		10 - 130	06/15/26 08:18	06/15/26 17:41	1
d9-N-EtFOSE-M	52.9		10 - 130	06/15/26 08:18	06/15/26 17:41	1
d5-NEtPFOSA	63.1		10 - 130	06/15/26 08:18	06/15/26 17:41	1
d3-NMePFOSA	62.0		10 - 130	06/15/26 08:18	06/15/26 17:41	1
13C2 PFDoA	80.7		10 - 130	06/15/26 08:18	06/15/26 17:41	1
13C3-3:3 FTCA	124		20 - 150	06/15/26 08:18	06/15/26 17:41	1
13C3-5:3 FTCA	89.4		20 - 150	06/15/26 08:18	06/15/26 17:41	1
13C3-PFDoS	59.6		20 - 150	06/15/26 08:18	06/15/26 17:41	1

Lab Sample ID: LCS 410-835234/20-A

Matrix: Water

Analysis Batch: 835324

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 835234

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	80.0	73.0		ng/L		91	70 - 140
Perfluoropentanoic acid (PFPeA)	40.0	37.0		ng/L		92	65 - 135
Perfluorohexanoic acid (PFHxA)	40.0	38.7		ng/L		97	70 - 145
Perfluoroheptanoic acid (PFHpA)	40.0	39.7		ng/L		99	70 - 150
Perfluorooctanoic acid (PFOA)	40.0	40.1		ng/L		100	70 - 150

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-835234/20-A

Matrix: Water

Analysis Batch: 835324

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 835234

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorononanoic acid (PFNA)	40.0	38.2		ng/L		96	70 - 150
Perfluorodecanoic acid (PFDA)	40.0	39.3		ng/L		98	70 - 140
Perfluoroundecanoic acid (PFUnA)	40.0	38.9		ng/L		97	70 - 145
Perfluorododecanoic acid (PFDoA)	40.0	37.9		ng/L		95	70 - 140
Perfluorotridecanoic acid (PFTrDA)	40.0	36.8		ng/L		92	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	40.0	38.1		ng/L		95	60 - 140
Perfluorobutanesulfonic acid (PFBS)	35.5	34.2		ng/L		96	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	37.6	36.4		ng/L		97	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	36.5	36.5		ng/L		100	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	38.2	36.5		ng/L		96	70 - 150
Perfluorooctanesulfonic acid (PFOS)	37.2	34.3		ng/L		92	55 - 150
Perfluorononanesulfonic acid (PFNS)	38.5	34.7		ng/L		90	65 - 145
Perfluorodecanesulfonic acid (PFDS)	38.6	32.8		ng/L		85	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	38.8	38.3		ng/L		99	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	75.0	77.3		ng/L		103	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	76.2	73.8		ng/L		97	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	76.8	74.0		ng/L		96	60 - 150
Perfluorooctanesulfonamide (PFOSA)	40.0	38.7		ng/L		97	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	40.0	38.4		ng/L		96	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	40.0	36.8		ng/L		92	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	38.0		ng/L		95	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	39.3		ng/L		98	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	200	198		ng/L		99	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	200	200		ng/L		100	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	30.1	29.4		ng/L		98	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	35.4		ng/L		94	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	40.0	38.0		ng/L		95	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	40.0	35.8		ng/L		89	60 - 150

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-835234/20-A

Matrix: Water

Analysis Batch: 835324

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 835234

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	40.0	38.8		ng/L		97	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	37.4	35.0		ng/L		94	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	37.8	30.8		ng/L		82	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	35.7	29.6		ng/L		83	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	80.0	60.6		ng/L		76	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	200	169		ng/L		84	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	200	156		ng/L		78	50 - 145

Isotope Dilution	%Recovery	LCS Qualifier	Limits
13C4 PFBA	93.8		5 - 130
13C5 PFPeA	90.1		40 - 130
13C5 PFHxA	87.3		40 - 130
13C4 PFHpA	83.0		40 - 130
13C8 PFOA	86.3		40 - 130
13C9 PFNA	85.1		40 - 130
13C6 PFDA	82.3		40 - 130
13C7 PFUnA	83.0		30 - 130
13C2 PFTeDA	73.6		10 - 130
13C3 PFBS	90.1		40 - 135
13C3 PFHxS	86.7		40 - 130
13C8 PFOS	86.2		40 - 130
13C8 FOSA	75.6		40 - 130
d3-NMeFOSAA	64.6		40 - 170
d5-NEtFOSAA	61.9		25 - 135
13C2 4:2 FTS	73.2		40 - 200
13C2 6:2 FTS	68.0		40 - 200
13C2 8:2 FTS	106		40 - 300
13C3 HFPO-DA	81.9		40 - 130
d7-N-MeFOSE-M	60.1		10 - 130
d9-N-EtFOSE-M	58.0		10 - 130
d5-NEtPFOSA	65.7		10 - 130
d3-NMePFOSA	65.2		10 - 130
13C2 PFDoA	83.7		10 - 130
13C3-3:3 FTCA	116		20 - 150
13C3-5:3 FTCA	83.6		20 - 150
13C3-PFDoS	63.4		20 - 150

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 410-835234/21-A

Matrix: Water

Analysis Batch: 835324

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 835234

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	8.00	7.79		ng/L		97	70 - 140
Perfluoropentanoic acid (PFPeA)	4.00	4.00		ng/L		100	65 - 135
Perfluorohexanoic acid (PFHxA)	4.00	4.31	I	ng/L		108	70 - 145
Perfluoroheptanoic acid (PFHpA)	4.00	3.95		ng/L		99	70 - 150
Perfluorooctanoic acid (PFOA)	4.00	4.26		ng/L		107	70 - 150
Perfluorononanoic acid (PFNA)	4.00	4.21		ng/L		105	70 - 150
Perfluorodecanoic acid (PFDA)	4.00	4.23		ng/L		106	70 - 140
Perfluoroundecanoic acid (PFUnA)	4.00	4.53		ng/L		113	70 - 145
Perfluorododecanoic acid (PFDoA)	4.00	4.06		ng/L		101	70 - 140
Perfluorotridecanoic acid (PFTrDA)	4.00	3.95		ng/L		99	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	4.00	3.56		ng/L		89	60 - 140
Perfluorobutanesulfonic acid (PFBS)	3.55	3.57		ng/L		101	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	3.76	3.59		ng/L		95	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	3.65	3.90		ng/L		107	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	3.82	3.73		ng/L		98	70 - 150
Perfluorooctanesulfonic acid (PFOS)	3.72	3.61		ng/L		97	55 - 150
Perfluorononanesulfonic acid (PFNS)	3.85	3.68		ng/L		96	65 - 145
Perfluorodecanesulfonic acid (PFDS)	3.86	3.87		ng/L		100	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	3.88	3.90		ng/L		100	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	7.50	9.14		ng/L		122	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	7.62	8.89		ng/L		117	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	7.68	9.12		ng/L		119	60 - 150
Perfluorooctanesulfonamide (PFOSA)	4.00	4.17		ng/L		104	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	4.00	3.91		ng/L		98	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	4.00	3.74		ng/L		94	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.00	4.07		ng/L		102	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.00	4.96		ng/L		124	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	20.0	20.8		ng/L		104	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	20.0	20.8		ng/L		104	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	3.01	2.84		ng/L		94	70 - 140

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 410-835234/21-A

Matrix: Water

Analysis Batch: 835324

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 835234

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.78	3.66		ng/L		97	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.00	3.99		ng/L		100	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.00	3.93		ng/L		98	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.00	4.07		ng/L		102	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	3.74	3.89		ng/L		104	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	3.78	3.22		ng/L		85	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	3.57	2.92		ng/L		82	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	8.00	7.30		ng/L		91	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	20.0	19.9		ng/L		99	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	20.0	18.1		ng/L		91	50 - 145

Isotope Dilution	LLCS %Recovery	LLCS Qualifier	Limits
13C4 PFBA	104		5 - 130
13C5 PFPeA	94.7		40 - 130
13C5 PFHxA	94.1		40 - 130
13C4 PFHpA	94.3		40 - 130
13C8 PFOA	93.8		40 - 130
13C9 PFNA	93.3		40 - 130
13C6 PFDA	85.3		40 - 130
13C7 PFUnA	83.5		30 - 130
13C2 PFTeDA	77.3		10 - 130
13C3 PFBS	94.5		40 - 135
13C3 PFHxS	90.5		40 - 130
13C8 PFOS	89.6		40 - 130
13C8 FOSA	88.6		40 - 130
d3-NMeFOSAA	76.1		40 - 170
d5-NEtFOSAA	69.9		25 - 135
13C2 4:2 FTS	79.1		40 - 200
13C2 6:2 FTS	75.4		40 - 200
13C2 8:2 FTS	107		40 - 300
13C3 HFPO-DA	90.2		40 - 130
d7-N-MeFOSE-M	82.6		10 - 130
d9-N-EtFOSE-M	76.8		10 - 130
d5-NEtPFOSA	75.6		10 - 130
d3-NMePFOSA	75.6		10 - 130
13C2 PFDaA	86.3		10 - 130
13C3-3:3 FTCA	117		20 - 150
13C3-5:3 FTCA	94.8		20 - 150
13C3-PFDaS	70.3		20 - 150

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: 410-286525-1 MS

Matrix: Water

Analysis Batch: 835324

Client Sample ID: MW-2

Prep Type: Total/NA

Prep Batch: 835234

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	3.1	J	73.7	80.9		ng/L		106	70 - 140
Perfluoropentanoic acid (PFPeA)	4.6		36.9	41.4		ng/L		100	65 - 135
Perfluorohexanoic acid (PFHxA)	4.0		36.9	40.2		ng/L		98	70 - 145
Perfluoroheptanoic acid (PFHpA)	2.7		36.9	40.7		ng/L		103	70 - 150
Perfluorooctanoic acid (PFOA)	3.0		36.9	39.4		ng/L		99	70 - 150
Perfluorononanoic acid (PFNA)	ND	cn	36.9	36.4		ng/L		94	70 - 150
Perfluorodecanoic acid (PFDA)	ND		36.9	35.7		ng/L		97	70 - 140
Perfluoroundecanoic acid (PFUnA)	ND		36.9	36.8		ng/L		100	70 - 145
Perfluorododecanoic acid (PFDoA)	ND		36.9	36.0		ng/L		98	70 - 140
Perfluorotridecanoic acid (PFTrDA)	ND		36.9	34.8		ng/L		94	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	ND		36.9	33.5		ng/L		91	60 - 140
Perfluorobutanesulfonic acid (PFBS)	ND		32.7	30.6		ng/L		94	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	ND		34.7	34.7		ng/L		100	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	ND		33.6	29.4		ng/L		87	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	ND		35.2	32.6		ng/L		93	70 - 150
Perfluorooctanesulfonic acid (PFOS)	ND		34.3	31.7		ng/L		92	55 - 150
Perfluorononanesulfonic acid (PFNS)	ND		35.5	31.6		ng/L		89	65 - 145
Perfluorodecanesulfonic acid (PFDS)	ND		35.5	31.0		ng/L		87	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	ND		35.8	33.5		ng/L		94	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		69.2	70.9		ng/L		102	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	1.1	J	70.2	65.2		ng/L		91	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		70.8	69.4		ng/L		98	60 - 150
Perfluorooctanesulfonamide (PFOSA)	ND		36.9	35.3		ng/L		96	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		36.9	34.9		ng/L		95	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		36.9	35.3		ng/L		96	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		36.9	35.9		ng/L		97	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		36.9	35.7		ng/L		97	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		184	171		ng/L		93	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		184	179		ng/L		97	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		27.7	25.7		ng/L		93	70 - 140

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: 410-286525-1 MS

Matrix: Water

Analysis Batch: 835324

Client Sample ID: MW-2

Prep Type: Total/NA

Prep Batch: 835234

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		34.9	34.3		ng/L		98	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		36.9	33.6		ng/L		91	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		36.9	34.0		ng/L		92	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		36.9	32.0		ng/L		87	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		34.4	30.9		ng/L		90	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		34.8	28.2		ng/L		81	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	ND		32.9	28.4		ng/L		86	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		73.7	59.2		ng/L		80	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		184	162		ng/L		88	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		184	167		ng/L		90	50 - 145

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	99.0		5 - 130
13C5 PFPeA	91.0		40 - 130
13C5 PFHxA	96.0		40 - 130
13C4 PFHpA	89.0		40 - 130
13C8 PFOA	95.9		40 - 130
13C9 PFNA	94.3		40 - 130
13C6 PFDA	92.8		40 - 130
13C7 PFUnA	89.0		30 - 130
13C2 PFTeDA	72.6		10 - 130
13C3 PFBS	101		40 - 135
13C3 PFHxS	96.3		40 - 130
13C8 PFOS	93.5		40 - 130
13C8 FOSA	87.9		40 - 130
d3-NMeFOSAA	74.3		40 - 170
d5-NEtFOSAA	74.1		25 - 135
13C2 4:2 FTS	148		40 - 200
13C2 6:2 FTS	119		40 - 200
13C2 8:2 FTS	126		40 - 300
13C3 HFPO-DA	84.5		40 - 130
d7-N-MeFOSE-M	76.2		10 - 130
d9-N-EtFOSE-M	68.6		10 - 130
d5-NEtPFOSA	71.5		10 - 130
d3-NMePFOSA	74.0		10 - 130
13C2 PFDaA	88.9		10 - 130
13C3-3:3 FTCA	131		20 - 150
13C3-5:3 FTCA	109		20 - 150
13C3-PFDaS	71.9		20 - 150

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: 410-286525-1 MSD

Matrix: Water

Analysis Batch: 835324

Client Sample ID: MW-2

Prep Type: Total/NA

Prep Batch: 835234

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	3.1	J	74.1	81.4		ng/L		106	70 - 140	1	30
Perfluoropentanoic acid (PFPeA)	4.6		37.1	42.4		ng/L		102	65 - 135	2	30
Perfluorohexanoic acid (PFHxA)	4.0		37.1	40.3		ng/L		98	70 - 145	0	30
Perfluoroheptanoic acid (PFHpA)	2.7		37.1	39.4		ng/L		99	70 - 150	3	30
Perfluorooctanoic acid (PFOA)	3.0		37.1	42.1		ng/L		106	70 - 150	7	30
Perfluorononanoic acid (PFNA)	ND	cn	37.1	36.3		ng/L		93	70 - 150	0	30
Perfluorodecanoic acid (PFDA)	ND		37.1	35.3		ng/L		95	70 - 140	1	30
Perfluoroundecanoic acid (PFUnA)	ND		37.1	35.7		ng/L		96	70 - 145	3	30
Perfluorododecanoic acid (PFDoA)	ND		37.1	35.0		ng/L		94	70 - 140	3	30
Perfluorotridecanoic acid (PFTrDA)	ND		37.1	33.8		ng/L		91	65 - 140	3	30
Perfluorotetradecanoic acid (PFTeDA)	ND		37.1	34.6		ng/L		93	60 - 140	3	30
Perfluorobutanesulfonic acid (PFBS)	ND		32.9	30.2		ng/L		92	60 - 145	2	30
Perfluoropentanesulfonic acid (PFPeS)	ND		34.8	35.6		ng/L		102	65 - 140	3	30
Perfluorohexanesulfonic acid (PFHxS)	ND		33.8	32.2		ng/L		95	65 - 145	9	30
Perfluoroheptanesulfonic acid (PFHpS)	ND		35.4	33.3		ng/L		94	70 - 150	2	30
Perfluorooctanesulfonic acid (PFOS)	ND		34.5	32.8		ng/L		95	55 - 150	4	30
Perfluorononanesulfonic acid (PFNS)	ND		35.7	30.2		ng/L		85	65 - 145	5	30
Perfluorodecanesulfonic acid (PFDS)	ND		35.7	28.3		ng/L		79	60 - 145	9	30
Perfluorododecanesulfonic acid (PFDoS)	ND		35.9	34.8		ng/L		97	50 - 145	4	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		69.5	68.5		ng/L		98	70 - 145	4	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	1.1	J	70.6	67.0		ng/L		93	65 - 155	3	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		71.2	69.9		ng/L		98	60 - 150	1	30
Perfluorooctanesulfonamide (PFOSA)	ND		37.1	35.9		ng/L		97	70 - 145	2	30
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		37.1	34.6		ng/L		93	60 - 150	1	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		37.1	34.9		ng/L		94	65 - 145	1	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		37.1	36.1		ng/L		97	50 - 140	1	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		37.1	33.7		ng/L		91	70 - 145	6	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		185	183		ng/L		99	70 - 145	7	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		185	184		ng/L		100	70 - 135	3	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		27.9	27.6		ng/L		99	70 - 140	7	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: 410-286525-1 MSD

Matrix: Water

Analysis Batch: 835324

Client Sample ID: MW-2

Prep Type: Total/NA

Prep Batch: 835234

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		35.1	34.0		ng/L		97	65 - 145	1	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		37.1	32.2		ng/L		87	55 - 140	4	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		37.1	32.6		ng/L		88	60 - 150	4	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		37.1	38.6		ng/L		104	50 - 150	19	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		34.6	30.7		ng/L		89	70 - 155	1	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		35.0	25.1		ng/L		72	55 - 160	12	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	ND		33.1	28.9		ng/L		87	70 - 140	1	30
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		74.1	56.9		ng/L		77	65 - 130	4	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		185	168		ng/L		91	70 - 135	4	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		185	171		ng/L		92	50 - 145	2	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFBA	98.9		5 - 130
13C5 PFPeA	91.9		40 - 130
13C5 PFHxA	91.8		40 - 130
13C4 PFHpA	93.4		40 - 130
13C8 PFOA	88.4		40 - 130
13C9 PFNA	88.7		40 - 130
13C6 PFDA	86.0		40 - 130
13C7 PFUnA	79.2		30 - 130
13C2 PFTeDA	64.5		10 - 130
13C3 PFBS	104		40 - 135
13C3 PFHxS	91.7		40 - 130
13C8 PFOS	88.0		40 - 130
13C8 FOSA	82.6		40 - 130
d3-NMeFOSAA	69.2		40 - 170
d5-NEtFOSAA	64.1		25 - 135
13C2 4:2 FTS	149		40 - 200
13C2 6:2 FTS	121		40 - 200
13C2 8:2 FTS	111		40 - 300
13C3 HFPO-DA	84.8		40 - 130
d7-N-MeFOSE-M	53.9		10 - 130
d9-N-EtFOSE-M	50.2		10 - 130
d5-NEtPFOSA	64.0		10 - 130
d3-NMePFOSA	68.5		10 - 130
13C2 PFDaA	78.5		10 - 130
13C3-3:3 FTCA	134		20 - 150
13C3-5:3 FTCA	107		20 - 150
13C3-PFDaS	62.0		20 - 150

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 410-831715/1-A

Matrix: Water

Analysis Batch: 833260

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 831715

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0021	0.00057	mg/L		06/09/26 15:20	06/10/26 18:43	1
Manganese	ND		0.0021	0.0013	mg/L		06/09/26 15:20	06/10/26 18:43	1
Nickel	ND		0.0010	0.00041	mg/L		06/09/26 15:20	06/10/26 18:43	1

Lab Sample ID: LCS 410-831715/2-A

Matrix: Water

Analysis Batch: 833260

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 831715

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	0.500	0.503		mg/L		101	84 - 113
Manganese	0.500	0.510		mg/L		102	84 - 113
Nickel	0.500	0.505		mg/L		101	85 - 113

Lab Sample ID: MB 410-836532/1-A

Matrix: Water

Analysis Batch: 836974

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 836532

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0021	0.00057	mg/L		06/17/26 01:20	06/17/26 09:42	1
Manganese	ND		0.0021	0.0013	mg/L		06/17/26 01:20	06/17/26 09:42	1
Nickel	ND		0.0010	0.00041	mg/L		06/17/26 01:20	06/17/26 09:42	1

Lab Sample ID: LCS 410-836532/2-A

Matrix: Water

Analysis Batch: 836974

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 836532

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	0.500	0.509		mg/L		102	84 - 113
Manganese	0.500	0.504		mg/L		101	84 - 113
Nickel	0.500	0.509		mg/L		102	85 - 113

Lab Sample ID: 410-286525-7 MS

Matrix: Water

Analysis Batch: 833260

Client Sample ID: MW-18

Prep Type: Dissolved

Prep Batch: 831715

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	ND	cn	0.500	0.498	cn	mg/L		100	75 - 125
Manganese	0.0013	J cn	0.500	0.505	cn	mg/L		101	75 - 125
Nickel	0.00053	J cn	0.500	0.495	cn	mg/L		99	75 - 125

Lab Sample ID: 410-286525-7 MSD

Matrix: Water

Analysis Batch: 833260

Client Sample ID: MW-18

Prep Type: Dissolved

Prep Batch: 831715

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium	ND	cn	0.500	0.490	cn	mg/L		98	75 - 125	2	20
Manganese	0.0013	J cn	0.500	0.494	cn	mg/L		99	75 - 125	2	20
Nickel	0.00053	J cn	0.500	0.494	cn	mg/L		99	75 - 125	0	20

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 410-286525-7 DU

Matrix: Water

Analysis Batch: 833260

Client Sample ID: MW-18

Prep Type: Dissolved

Prep Batch: 831715

Analyte	Sample	Sample	DU		Unit	D	RPD	
	Result	Qualifier	Result	Qualifier			RPD	Limit
Chromium	ND	cn	ND	cn	mg/L		NC	20
Manganese	0.0013	J cn	0.00133	J cn	mg/L		1	20
Nickel	0.00053	J cn	0.000528	J cn	mg/L		0.4	20

Lab Sample ID: 410-286525-1 MS

Matrix: Water

Analysis Batch: 836974

Client Sample ID: MW-2

Prep Type: Dissolved

Prep Batch: 836532

Analyte	Sample	Sample	Spike	MS		Unit	D	%Rec	%Rec	
	Result	Qualifier		Result	Qualifier				Limits	RPD
Chromium	ND	cn	0.500	0.502		mg/L		100	75 - 125	
Manganese	ND	cn	0.500	0.498		mg/L		100	75 - 125	
Nickel	ND	cn	0.500	0.508		mg/L		102	75 - 125	

Lab Sample ID: 410-286525-1 MSD

Matrix: Water

Analysis Batch: 836974

Client Sample ID: MW-2

Prep Type: Dissolved

Prep Batch: 836532

Analyte	Sample	Sample	Spike	MSD		Unit	D	%Rec	%Rec		RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits	RPD		
Chromium	ND	cn	0.500	0.499		mg/L		100	75 - 125	1		20
Manganese	ND	cn	0.500	0.496		mg/L		99	75 - 125	0		20
Nickel	ND	cn	0.500	0.503		mg/L		101	75 - 125	1		20

Lab Sample ID: 410-286525-1 DU

Matrix: Water

Analysis Batch: 836974

Client Sample ID: MW-2

Prep Type: Dissolved

Prep Batch: 836532

Analyte	Sample	Sample	DU		Unit	D	RPD	
	Result	Qualifier	Result	Qualifier			RPD	Limit
Chromium	ND	cn	ND	cn	mg/L		NC	20
Manganese	ND	cn	0.00177	J cn	mg/L		NC	20
Nickel	ND	cn	0.000417	J cn	mg/L		NC	20

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

GC/MS VOA

Analysis Batch: 830737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286525-12	TB060326	Total/NA	Water	8260D	
MB 410-830737/7	Method Blank	Total/NA	Water	8260D	
LCS 410-830737/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-830737/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 835835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286525-1	MW-2	Total/NA	Water	8260D	
410-286525-2	MW-3	Total/NA	Water	8260D	
410-286525-3	MW-25A	Total/NA	Water	8260D	
410-286525-4	MW-25B	Total/NA	Water	8260D	
410-286525-4 - DL	MW-25B	Total/NA	Water	8260D	
410-286525-5	MW-25C	Total/NA	Water	8260D	
410-286525-6	MW-11	Total/NA	Water	8260D	
410-286525-7	MW-18	Total/NA	Water	8260D	
410-286525-8	MW-72	Total/NA	Water	8260D	
410-286525-8 - DL	MW-72	Total/NA	Water	8260D	
410-286525-9	MW-73	Total/NA	Water	8260D	
410-286525-9 - DL	MW-73	Total/NA	Water	8260D	
410-286525-10	Field Blank 4	Total/NA	Water	8260D	
410-286525-11	Field Blank 5	Total/NA	Water	8260D	
MB 410-835835/7	Method Blank	Total/NA	Water	8260D	
LCS 410-835835/5	Lab Control Sample	Total/NA	Water	8260D	
410-286525-1 MS	MW-2	Total/NA	Water	8260D	
410-286525-1 MSD	MW-2	Total/NA	Water	8260D	

Analysis Batch: 836607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286525-4 - DL2	MW-25B	Total/NA	Water	8260D	
410-286525-5 - DL	MW-25C	Total/NA	Water	8260D	
410-286525-8 - DL2	MW-72	Total/NA	Water	8260D	
MB 410-836607/7	Method Blank	Total/NA	Water	8260D	
LCS 410-836607/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-836607/5	Lab Control Sample Dup	Total/NA	Water	8260D	

HPLC/IC

Analysis Batch: 828605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286525-2	MW-3	Dissolved	Water	218.6	
410-286525-3	MW-25A	Dissolved	Water	218.6	
410-286525-4	MW-25B	Dissolved	Water	218.6	
410-286525-5	MW-25C	Dissolved	Water	218.6	
410-286525-6	MW-11	Dissolved	Water	218.6	
410-286525-7	MW-18	Dissolved	Water	218.6	
410-286525-8	MW-72	Dissolved	Water	218.6	
410-286525-9	MW-73	Dissolved	Water	218.6	
410-286525-10	Field Blank 4	Dissolved	Water	218.6	
410-286525-11	Field Blank 5	Dissolved	Water	218.6	
MB 410-828605/10	Method Blank	Total/NA	Water	218.6	
MB 410-828605/75	Method Blank	Total/NA	Water	218.6	

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

HPLC/IC (Continued)

Analysis Batch: 828605 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 410-828605/74	Lab Control Sample	Total/NA	Water	218.6	
LCS 410-828605/9	Lab Control Sample	Total/NA	Water	218.6	
410-286525-5 MS	MW-25C	Dissolved	Water	218.6	
410-286525-5 MSD	MW-25C	Dissolved	Water	218.6	

Analysis Batch: 830183

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286525-1	MW-2	Dissolved	Water	218.6	
MB 410-830183/32	Method Blank	Total/NA	Water	218.6	
LCS 410-830183/31	Lab Control Sample	Total/NA	Water	218.6	
410-286525-1 MS	MW-2	Dissolved	Water	218.6	
410-286525-1 MSD	MW-2	Dissolved	Water	218.6	

Filtration Batch: 835529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286525-1	MW-2	Dissolved	Water	FILTRATION	
410-286525-2	MW-3	Dissolved	Water	FILTRATION	
410-286525-3	MW-25A	Dissolved	Water	FILTRATION	
410-286525-4	MW-25B	Dissolved	Water	FILTRATION	
410-286525-5	MW-25C	Dissolved	Water	FILTRATION	
410-286525-6	MW-11	Dissolved	Water	FILTRATION	
410-286525-7	MW-18	Dissolved	Water	FILTRATION	
410-286525-8	MW-72	Dissolved	Water	FILTRATION	
410-286525-9	MW-73	Dissolved	Water	FILTRATION	
410-286525-10	Field Blank 4	Dissolved	Water	FILTRATION	
410-286525-11	Field Blank 5	Dissolved	Water	FILTRATION	
410-286525-1 MS	MW-2	Dissolved	Water	FILTRATION	
410-286525-1 MSD	MW-2	Dissolved	Water	FILTRATION	

Analysis Batch: 835567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286525-2	MW-3	Dissolved	Water	9056A	835529
MB 410-835567/5	Method Blank	Total/NA	Water	9056A	
LCS 410-835567/3	Lab Control Sample	Total/NA	Water	9056A	
LCSD 410-835567/4	Lab Control Sample Dup	Total/NA	Water	9056A	

Analysis Batch: 835577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286525-1	MW-2	Dissolved	Water	9056A	835529
410-286525-3	MW-25A	Dissolved	Water	9056A	835529
410-286525-4	MW-25B	Dissolved	Water	9056A	835529
410-286525-5	MW-25C	Dissolved	Water	9056A	835529
410-286525-6	MW-11	Dissolved	Water	9056A	835529
410-286525-7	MW-18	Dissolved	Water	9056A	835529
410-286525-8	MW-72	Dissolved	Water	9056A	835529
410-286525-9	MW-73	Dissolved	Water	9056A	835529
410-286525-10	Field Blank 4	Dissolved	Water	9056A	835529
410-286525-11	Field Blank 5	Dissolved	Water	9056A	835529
MB 410-835577/5	Method Blank	Total/NA	Water	9056A	
LCS 410-835577/3	Lab Control Sample	Total/NA	Water	9056A	
LCSD 410-835577/4	Lab Control Sample Dup	Total/NA	Water	9056A	

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

HPLC/IC (Continued)

Analysis Batch: 835577 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286525-1 MS	MW-2	Dissolved	Water	9056A	835529
410-286525-1 MSD	MW-2	Dissolved	Water	9056A	835529

LCMS

Prep Batch: 835234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286525-1	MW-2	Total/NA	Water	1633A	
410-286525-2	MW-3	Total/NA	Water	1633A	
410-286525-3	MW-25A	Total/NA	Water	1633A	
410-286525-4	MW-25B	Total/NA	Water	1633A	
410-286525-5	MW-25C	Total/NA	Water	1633A	
410-286525-6	MW-11	Total/NA	Water	1633A	
410-286525-7	MW-18	Total/NA	Water	1633A	
410-286525-8	MW-72	Total/NA	Water	1633A	
410-286525-9	MW-73	Total/NA	Water	1633A	
410-286525-10	Field Blank 4	Total/NA	Water	1633A	
410-286525-11	Field Blank 5	Total/NA	Water	1633A	
MB 410-835234/19-A	Method Blank	Total/NA	Water	1633A	
LCS 410-835234/20-A	Lab Control Sample	Total/NA	Water	1633A	
LLCS 410-835234/21-A	Lab Control Sample	Total/NA	Water	1633A	
410-286525-1 MS	MW-2	Total/NA	Water	1633A	
410-286525-1 MSD	MW-2	Total/NA	Water	1633A	

Analysis Batch: 835324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286525-1	MW-2	Total/NA	Water	1633A	835234
410-286525-2	MW-3	Total/NA	Water	1633A	835234
410-286525-3	MW-25A	Total/NA	Water	1633A	835234
410-286525-4	MW-25B	Total/NA	Water	1633A	835234
410-286525-5	MW-25C	Total/NA	Water	1633A	835234
410-286525-6	MW-11	Total/NA	Water	1633A	835234
410-286525-7	MW-18	Total/NA	Water	1633A	835234
410-286525-8	MW-72	Total/NA	Water	1633A	835234
410-286525-9	MW-73	Total/NA	Water	1633A	835234
410-286525-10	Field Blank 4	Total/NA	Water	1633A	835234
410-286525-11	Field Blank 5	Total/NA	Water	1633A	835234
MB 410-835234/19-A	Method Blank	Total/NA	Water	1633A	835234
LCS 410-835234/20-A	Lab Control Sample	Total/NA	Water	1633A	835234
LLCS 410-835234/21-A	Lab Control Sample	Total/NA	Water	1633A	835234
410-286525-1 MS	MW-2	Total/NA	Water	1633A	835234
410-286525-1 MSD	MW-2	Total/NA	Water	1633A	835234

Metals

Filtration Batch: 829516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286525-1	MW-2	Dissolved	Water	Filtration	
410-286525-2	MW-3	Dissolved	Water	Filtration	
410-286525-3	MW-25A	Dissolved	Water	Filtration	
410-286525-4	MW-25B	Dissolved	Water	Filtration	
410-286525-5	MW-25C	Dissolved	Water	Filtration	

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Metals (Continued)

Filtration Batch: 829516 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286525-6	MW-11	Dissolved	Water	Filtration	
410-286525-7	MW-18	Dissolved	Water	Filtration	
410-286525-8	MW-72	Dissolved	Water	Filtration	
410-286525-9	MW-73	Dissolved	Water	Filtration	
410-286525-10	Field Blank 4	Dissolved	Water	Filtration	
410-286525-11	Field Blank 5	Dissolved	Water	Filtration	
410-286525-1 MS	MW-2	Dissolved	Water	Filtration	
410-286525-1 MSD	MW-2	Dissolved	Water	Filtration	
410-286525-7 MS	MW-18	Dissolved	Water	Filtration	
410-286525-7 MSD	MW-18	Dissolved	Water	Filtration	
410-286525-1 DU	MW-2	Dissolved	Water	Filtration	
410-286525-7 DU	MW-18	Dissolved	Water	Filtration	

Prep Batch: 831715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286525-2	MW-3	Dissolved	Water	Non-Digest Prep	829516
410-286525-3	MW-25A	Dissolved	Water	Non-Digest Prep	829516
410-286525-4	MW-25B	Dissolved	Water	Non-Digest Prep	829516
410-286525-5	MW-25C	Dissolved	Water	Non-Digest Prep	829516
410-286525-6	MW-11	Dissolved	Water	Non-Digest Prep	829516
410-286525-7	MW-18	Dissolved	Water	Non-Digest Prep	829516
410-286525-8	MW-72	Dissolved	Water	Non-Digest Prep	829516
410-286525-9	MW-73	Dissolved	Water	Non-Digest Prep	829516
410-286525-10	Field Blank 4	Dissolved	Water	Non-Digest Prep	829516
410-286525-11	Field Blank 5	Dissolved	Water	Non-Digest Prep	829516
MB 410-831715/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-831715/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	
410-286525-7 MS	MW-18	Dissolved	Water	Non-Digest Prep	829516
410-286525-7 MSD	MW-18	Dissolved	Water	Non-Digest Prep	829516
410-286525-7 DU	MW-18	Dissolved	Water	Non-Digest Prep	829516

Analysis Batch: 833260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286525-2	MW-3	Dissolved	Water	6020B	831715
410-286525-3	MW-25A	Dissolved	Water	6020B	831715
410-286525-4	MW-25B	Dissolved	Water	6020B	831715
410-286525-5	MW-25C	Dissolved	Water	6020B	831715
410-286525-6	MW-11	Dissolved	Water	6020B	831715
410-286525-7	MW-18	Dissolved	Water	6020B	831715
410-286525-8	MW-72	Dissolved	Water	6020B	831715
410-286525-9	MW-73	Dissolved	Water	6020B	831715
410-286525-10	Field Blank 4	Dissolved	Water	6020B	831715
410-286525-11	Field Blank 5	Dissolved	Water	6020B	831715
MB 410-831715/1-A	Method Blank	Total/NA	Water	6020B	831715
LCS 410-831715/2-A	Lab Control Sample	Total/NA	Water	6020B	831715
410-286525-7 MS	MW-18	Dissolved	Water	6020B	831715
410-286525-7 MSD	MW-18	Dissolved	Water	6020B	831715
410-286525-7 DU	MW-18	Dissolved	Water	6020B	831715

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Metals

Prep Batch: 836532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286525-1	MW-2	Dissolved	Water	Non-Digest Prep	829516
MB 410-836532/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-836532/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	
410-286525-1 MS	MW-2	Dissolved	Water	Non-Digest Prep	829516
410-286525-1 MSD	MW-2	Dissolved	Water	Non-Digest Prep	829516
410-286525-1 DU	MW-2	Dissolved	Water	Non-Digest Prep	829516

Analysis Batch: 836974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286525-1	MW-2	Dissolved	Water	6020B	836532
MB 410-836532/1-A	Method Blank	Total/NA	Water	6020B	836532
LCS 410-836532/2-A	Lab Control Sample	Total/NA	Water	6020B	836532
410-286525-1 MS	MW-2	Dissolved	Water	6020B	836532
410-286525-1 MSD	MW-2	Dissolved	Water	6020B	836532
410-286525-1 DU	MW-2	Dissolved	Water	6020B	836532

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: MW-2

Lab Sample ID: 410-286525-1

Date Collected: 06/03/26 12:00

Matrix: Water

Date Received: 06/03/26 17:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	835835	ULCP	ELLE	06/16/26 11:58
Dissolved	Analysis	218.6		1	830183	RAC6	ELLE	06/05/26 19:50
Dissolved	Filtration	FILTRATION			835529	L4QM	ELLE	06/15/26 15:13
Dissolved	Analysis	9056A		1	835577	L4QM	ELLE	06/15/26 17:53
Total/NA	Prep	1633A			835234	KZ5A	ELLE	06/15/26 08:18
Total/NA	Analysis	1633A		1	835324	VGQ7	ELLE	06/15/26 18:22
Dissolved	Filtration	Filtration			829516	UDL9	ELLE	06/04/26 10:29
Dissolved	Prep	Non-Digest Prep			836532	UAMX	ELLE	06/17/26 01:20
Dissolved	Analysis	6020B		1	836974	F7JF	ELLE	06/17/26 09:58

Client Sample ID: MW-3

Lab Sample ID: 410-286525-2

Date Collected: 06/03/26 12:15

Matrix: Water

Date Received: 06/03/26 17:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	835835	ULCP	ELLE	06/16/26 12:58
Dissolved	Analysis	218.6		1	828605	RAC6	ELLE	06/04/26 09:32
Dissolved	Filtration	FILTRATION			835529	L4QM	ELLE	06/15/26 15:13
Dissolved	Analysis	9056A		1	835567	L4QM	ELLE	06/16/26 00:39
Total/NA	Prep	1633A			835234	KZ5A	ELLE	06/15/26 08:18
Total/NA	Analysis	1633A		1	835324	VGQ7	ELLE	06/15/26 19:03
Dissolved	Filtration	Filtration			829516	UDL9	ELLE	06/04/26 10:29
Dissolved	Prep	Non-Digest Prep			831715	RFN5	ELLE	06/09/26 15:20
Dissolved	Analysis	6020B		1	833260	I9IN	ELLE	06/10/26 19:37

Client Sample ID: MW-25A

Lab Sample ID: 410-286525-3

Date Collected: 06/03/26 12:45

Matrix: Water

Date Received: 06/03/26 17:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	835835	ULCP	ELLE	06/16/26 13:19
Dissolved	Analysis	218.6		1	828605	RAC6	ELLE	06/04/26 09:40
Dissolved	Filtration	FILTRATION			835529	L4QM	ELLE	06/15/26 15:13
Dissolved	Analysis	9056A		1	835577	L4QM	ELLE	06/15/26 19:08
Total/NA	Prep	1633A			835234	KZ5A	ELLE	06/15/26 08:18
Total/NA	Analysis	1633A		1	835324	VGQ7	ELLE	06/15/26 19:16
Dissolved	Filtration	Filtration			829516	UDL9	ELLE	06/04/26 10:29
Dissolved	Prep	Non-Digest Prep			831715	RFN5	ELLE	06/09/26 15:20
Dissolved	Analysis	6020B		1	833260	I9IN	ELLE	06/10/26 19:35

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: MW-25B

Lab Sample ID: 410-286525-4

Date Collected: 06/03/26 13:00

Matrix: Water

Date Received: 06/03/26 17:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		5	835835	ULCP	ELLE	06/16/26 16:23
Total/NA	Analysis	8260D	DL	50	835835	ULCP	ELLE	06/16/26 16:44
Total/NA	Analysis	8260D	DL2	500	836607	TQ4J	ELLE	06/17/26 13:52
Dissolved	Analysis	218.6		1	828605	RAC6	ELLE	06/04/26 12:27
Dissolved	Filtration	FILTRATION			835529	L4QM	ELLE	06/15/26 15:13
Dissolved	Analysis	9056A		1	835577	L4QM	ELLE	06/15/26 19:32
Total/NA	Prep	1633A			835234	KZ5A	ELLE	06/15/26 08:18
Total/NA	Analysis	1633A		1	835324	VGQ7	ELLE	06/15/26 19:30
Dissolved	Filtration	Filtration			829516	UDL9	ELLE	06/04/26 10:29
Dissolved	Prep	Non-Digest Prep			831715	RFN5	ELLE	06/09/26 15:20
Dissolved	Analysis	6020B		1	833260	I9IN	ELLE	06/10/26 19:33

Client Sample ID: MW-25C

Lab Sample ID: 410-286525-5

Date Collected: 06/03/26 13:15

Matrix: Water

Date Received: 06/03/26 17:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	835835	ULCP	ELLE	06/16/26 13:39
Total/NA	Analysis	8260D	DL	10	836607	TQ4J	ELLE	06/17/26 14:14
Dissolved	Analysis	218.6		1	828605	RAC6	ELLE	06/04/26 10:03
Dissolved	Filtration	FILTRATION			835529	L4QM	ELLE	06/15/26 15:13
Dissolved	Analysis	9056A		1	835577	L4QM	ELLE	06/15/26 20:22
Total/NA	Prep	1633A			835234	KZ5A	ELLE	06/15/26 08:18
Total/NA	Analysis	1633A		1	835324	VGQ7	ELLE	06/15/26 19:43
Dissolved	Filtration	Filtration			829516	UDL9	ELLE	06/04/26 10:29
Dissolved	Prep	Non-Digest Prep			831715	RFN5	ELLE	06/09/26 15:20
Dissolved	Analysis	6020B		1	833260	I9IN	ELLE	06/10/26 19:31

Client Sample ID: MW-11

Lab Sample ID: 410-286525-6

Date Collected: 06/03/26 13:30

Matrix: Water

Date Received: 06/03/26 17:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	835835	ULCP	ELLE	06/16/26 13:59
Dissolved	Analysis	218.6		1	828605	RAC6	ELLE	06/04/26 11:41
Dissolved	Filtration	FILTRATION			835529	L4QM	ELLE	06/15/26 15:13
Dissolved	Analysis	9056A		1	835577	L4QM	ELLE	06/15/26 20:47
Total/NA	Prep	1633A			835234	KZ5A	ELLE	06/15/26 08:18
Total/NA	Analysis	1633A		1	835324	VGQ7	ELLE	06/15/26 19:57
Dissolved	Filtration	Filtration			829516	UDL9	ELLE	06/04/26 10:29
Dissolved	Prep	Non-Digest Prep			831715	RFN5	ELLE	06/09/26 15:20
Dissolved	Analysis	6020B		1	833260	I9IN	ELLE	06/10/26 19:21

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: MW-18

Lab Sample ID: 410-286525-7

Date Collected: 06/03/26 14:00

Matrix: Water

Date Received: 06/03/26 17:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	835835	ULCP	ELLE	06/16/26 14:20
Dissolved	Analysis	218.6		1	828605	RAC6	ELLE	06/04/26 11:49
Dissolved	Filtration	FILTRATION			835529	L4QM	ELLE	06/15/26 15:13
Dissolved	Analysis	9056A		1	835577	L4QM	ELLE	06/15/26 21:12
Total/NA	Prep	1633A			835234	KZ5A	ELLE	06/15/26 08:18
Total/NA	Analysis	1633A		1	835324	VGQ7	ELLE	06/15/26 20:11
Dissolved	Filtration	Filtration			829516	UDL9	ELLE	06/04/26 10:29
Dissolved	Prep	Non-Digest Prep			831715	RFN5	ELLE	06/09/26 15:20
Dissolved	Analysis	6020B		1	833260	I9IN	ELLE	06/10/26 19:05

Client Sample ID: MW-72

Lab Sample ID: 410-286525-8

Date Collected: 06/03/26 14:45

Matrix: Water

Date Received: 06/03/26 17:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		100	835835	ULCP	ELLE	06/16/26 17:05
Total/NA	Analysis	8260D	DL	1000	835835	ULCP	ELLE	06/16/26 17:25
Total/NA	Analysis	8260D	DL2	5000	836607	TQ4J	ELLE	06/17/26 14:37
Dissolved	Analysis	218.6		1	828605	RAC6	ELLE	06/04/26 12:12
Dissolved	Filtration	FILTRATION			835529	L4QM	ELLE	06/15/26 15:13
Dissolved	Analysis	9056A		1	835577	L4QM	ELLE	06/15/26 21:36
Total/NA	Prep	1633A			835234	KZ5A	ELLE	06/15/26 08:18
Total/NA	Analysis	1633A		1	835324	VGQ7	ELLE	06/15/26 20:24
Dissolved	Filtration	Filtration			829516	UDL9	ELLE	06/04/26 10:29
Dissolved	Prep	Non-Digest Prep			831715	RFN5	ELLE	06/09/26 15:20
Dissolved	Analysis	6020B		1	833260	I9IN	ELLE	06/10/26 19:15

Client Sample ID: MW-73

Lab Sample ID: 410-286525-9

Date Collected: 06/03/26 15:00

Matrix: Water

Date Received: 06/03/26 17:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		50	835835	ULCP	ELLE	06/16/26 17:46
Total/NA	Analysis	8260D	DL	500	835835	ULCP	ELLE	06/16/26 18:06
Dissolved	Analysis	218.6		1	828605	RAC6	ELLE	06/04/26 12:19
Dissolved	Filtration	FILTRATION			835529	L4QM	ELLE	06/15/26 15:13
Dissolved	Analysis	9056A		1	835577	L4QM	ELLE	06/15/26 22:01
Total/NA	Prep	1633A			835234	KZ5A	ELLE	06/15/26 08:18
Total/NA	Analysis	1633A		1	835324	VGQ7	ELLE	06/15/26 20:38
Dissolved	Filtration	Filtration			829516	UDL9	ELLE	06/04/26 10:29
Dissolved	Prep	Non-Digest Prep			831715	RFN5	ELLE	06/09/26 15:20
Dissolved	Analysis	6020B		1	833260	I9IN	ELLE	06/10/26 19:19

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Client Sample ID: Field Blank 4

Lab Sample ID: 410-286525-10

Date Collected: 06/03/26 08:10

Matrix: Water

Date Received: 06/03/26 17:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	835835	ULCP	ELLE	06/16/26 10:47
Dissolved	Analysis	218.6		1	828605	RAC6	ELLE	06/04/26 10:56
Dissolved	Filtration	FILTRATION			835529	L4QM	ELLE	06/15/26 15:13
Dissolved	Analysis	9056A		1	835577	L4QM	ELLE	06/15/26 22:51
Total/NA	Prep	1633A			835234	KZ5A	ELLE	06/15/26 08:18
Total/NA	Analysis	1633A		1	835324	VGQ7	ELLE	06/15/26 20:52
Dissolved	Filtration	Filtration			829516	UDL9	ELLE	06/04/26 10:29
Dissolved	Prep	Non-Digest Prep			831715	RFN5	ELLE	06/09/26 15:20
Dissolved	Analysis	6020B		1	833260	I9IN	ELLE	06/10/26 19:13

Client Sample ID: Field Blank 5

Lab Sample ID: 410-286525-11

Date Collected: 06/03/26 15:15

Matrix: Water

Date Received: 06/03/26 17:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	835835	ULCP	ELLE	06/16/26 11:08
Dissolved	Analysis	218.6		1	828605	RAC6	ELLE	06/04/26 10:48
Dissolved	Filtration	FILTRATION			835529	L4QM	ELLE	06/15/26 15:13
Dissolved	Analysis	9056A		1	835577	L4QM	ELLE	06/15/26 23:03
Total/NA	Prep	1633A			835234	KZ5A	ELLE	06/15/26 08:18
Total/NA	Analysis	1633A		1	835324	VGQ7	ELLE	06/15/26 21:32
Dissolved	Filtration	Filtration			829516	UDL9	ELLE	06/04/26 10:29
Dissolved	Prep	Non-Digest Prep			831715	RFN5	ELLE	06/09/26 15:20
Dissolved	Analysis	6020B		1	833260	I9IN	ELLE	06/10/26 19:17

Client Sample ID: TB060326

Lab Sample ID: 410-286525-12

Date Collected: 05/07/26 00:00

Matrix: Water

Date Received: 06/03/26 17:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	830737	TQ4J	ELLE	06/06/26 10:52

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Pennsylvania	NELAP	36-00037	01-31-27

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Method Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	ELLE
218.6	Chromium, Hexavalent (Ion Chromatography)	EPA	ELLE
9056A	Anions, Ion Chromatography	SW846	ELLE
1633A	Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A	EPA	ELLE
6020B	Metals (ICP/MS)	SW846	ELLE
1633A	Solid-Phase Extraction (SPE)	EPA	ELLE
5030C	Purge and Trap	SW846	ELLE
FILTRATION	Sample Filtration	None	ELLE
Non-Digest Prep	Preparation, Non-Digested Aqueous Metals	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286525-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
410-286525-1	MW-2	Water	06/03/26 12:00	06/03/26 17:05	Pennsylvania
410-286525-2	MW-3	Water	06/03/26 12:15	06/03/26 17:05	Pennsylvania
410-286525-3	MW-25A	Water	06/03/26 12:45	06/03/26 17:05	Pennsylvania
410-286525-4	MW-25B	Water	06/03/26 13:00	06/03/26 17:05	Pennsylvania
410-286525-5	MW-25C	Water	06/03/26 13:15	06/03/26 17:05	Pennsylvania
410-286525-6	MW-11	Water	06/03/26 13:30	06/03/26 17:05	Pennsylvania
410-286525-7	MW-18	Water	06/03/26 14:00	06/03/26 17:05	Pennsylvania
410-286525-8	MW-72	Water	06/03/26 14:45	06/03/26 17:05	Pennsylvania
410-286525-9	MW-73	Water	06/03/26 15:00	06/03/26 17:05	Pennsylvania
410-286525-10	Field Blank 4	Water	06/03/26 08:10	06/03/26 17:05	Pennsylvania
410-286525-11	Field Blank 5	Water	06/03/26 15:15	06/03/26 17:05	Pennsylvania
410-286525-12	TB060326	Water	05/07/26 00:00	06/03/26 17:05	Pennsylvania



410-286525 Chain of Custody

Environmental Analysis Request/Chain of Custody

Lancaster Laboratories
Environmental

Acct. # _____ Group # _____ Sample # _____

Client Name: Groundwater & Environmental Services, Inc		Acct #:		Matrix		Analyses Requested										For Lab Use Only	
Project Name/ #: GTAC-Bishop Tube HSCA Site				☐ Tissue ☒ Ground ☐ Surface		Preservation and Filtration Codes										SF #: _____	
Site Address: 1 S Malin Road, Malvern, PA 19355				☐ Sediment ☐ Potable ☐ NPDES												SCR #: _____	
GES PM/CM: Tim Uhler/Derek Yoder				☐ Soil ☐ Water ☐ Other:												Preservation Codes	
Client Address: 410 Eagleview Blvd, Suite 110 Exton, PA 19341																H = HCl T = Thiosulfate	
Email report: labreportspae@gesonline.com AND tuhler@gesonline.com																N = HNO ₃ B = NaOH	
Invoice needs to be emailed to ges-invoices@gesonline.com. COC must be attached to invoice. Invoice must reference job # 0070462-3020-06																S = H ₂ SO ₄ P = H ₃ PO ₄	
State where samples were collected: PA		For Compliance: Yes ☐ No ☒														F = Field Filtered O = Other	
Sampler: <u>Ryan Orlewski</u>		Collection														Remarks	
Sampler Signature: <u>[Signature]</u>																Methods 6020B, 218.6 and 9056A need lab filtration. All are unpreserved.	
Sample Identification		Date	Time	Grab	Composite	Soil	Water	Other:	Total # of Containers	8260D - TCL VOCs 4.3	1633A - PFAS (List of 40)	6020B - Dissolved Ni, Mn, and Cr	218.6 - Chromium, Hexavalent Dissolved	9056A - Fluoride Dissolved			
AW-601		6-3-20	1030	X			X		5	3	2						
MW-25A		6-3-20	0945	X			X		5	3	2	1	1	1			
MW-20B		6-3-20	0900	X			X		5	3	2	1	1	1			
MW-26C		6-3-20	0915	X			X		8	3	2	31	31	31			
Baptiste 5		6-3-20	0905	X			X		5	3	2	1	1	1			
AW-24		6-3-20	1115	X			X		8	3	2	1	1	1			
MW-2		6-3-20	1200	X			X		18	9	6	1	1	1			
MW-3		6-3-20	1215	X			X		8	3	2	1	1	1			
MW-25A		6-3-20	1245	X			X		8	3	2	1	1	1			
MW-25B		6-3-20	1300	X			X		8	3	2	1	1	1			
Turnaround Time Requested (TAT) (please check): Standard ☒ Rush ☐		(Rush TAT is subject to laboratory approval and surcharges.)		Relinquished by: <u>[Signature]</u>		Date: <u>6/3/20</u> Time: <u>1705</u>		Received by: <u>[Signature]</u>		Date: _____ Time: _____		Date: _____ Time: _____		Date: _____ Time: _____		Date: _____ Time: _____	
Date results are needed:				Relinquished by: <u>[Signature]</u>		Date: _____ Time: _____		Received by: <u>[Signature]</u>		Date: _____ Time: _____		Date: _____ Time: _____		Date: _____ Time: _____		Date: _____ Time: _____	
Rush results requested by (please check): E-Mail ☐ Phone ☐				Relinquished by: <u>[Signature]</u>		Date: _____ Time: _____		Received by: <u>[Signature]</u>		Date: _____ Time: _____		Date: _____ Time: _____		Date: _____ Time: _____		Date: _____ Time: _____	
E-mail Address: <u>labreportspae@gesonline.com</u>				Relinquished by: <u>[Signature]</u>		Date: _____ Time: _____		Received by: <u>[Signature]</u>		Date: _____ Time: _____		Date: _____ Time: _____		Date: _____ Time: _____		Date: _____ Time: _____	
Phone: _____				Relinquished by: <u>[Signature]</u>		Date: _____ Time: _____		Received by: <u>[Signature]</u>		Date: _____ Time: _____		Date: _____ Time: _____		Date: _____ Time: _____		Date: _____ Time: _____	
Data Package Options (please check if required)				Relinquished by: <u>[Signature]</u>		Date: _____ Time: _____		Received by: <u>[Signature]</u>		Date: _____ Time: _____		Date: _____ Time: _____		Date: _____ Time: _____		Date: _____ Time: _____	
Type I (Validation/non-CLP) ☐ MA MCP ☐				Relinquished by: <u>[Signature]</u>		Date: _____ Time: _____		Received by: <u>[Signature]</u>		Date: _____ Time: _____		Date: _____ Time: _____		Date: _____ Time: _____		Date: _____ Time: _____	
Type III (Reduced non-CLP) ☐ CT RCP ☐				Relinquished by: <u>[Signature]</u>		Date: _____ Time: _____		Received by: <u>[Signature]</u>		Date: _____ Time: _____		Date: _____ Time: _____		Date: _____ Time: _____		Date: _____ Time: _____	
Type VI (Raw Data Only) ☐ TX TRRP-13 ☐				Relinquished by: <u>[Signature]</u>		Date: _____ Time: _____		Received by: <u>[Signature]</u>		Date: _____ Time: _____		Date: _____ Time: _____		Date: _____ Time: _____		Date: _____ Time: _____	
NJ DKQP ☐ NYSDEC Category ☐ A or ☐ B				Relinquished by: <u>[Signature]</u>		Date: _____ Time: _____		Received by: <u>[Signature]</u>		Date: _____ Time: _____		Date: _____ Time: _____		Date: _____ Time: _____		Date: _____ Time: _____	
EDD Required? Yes ☒ No ☐		If yes, format: _____		Relinquished by Commercial Carrier: _____		Date: _____ Time: _____		Received by: <u>[Signature]</u>		Date: _____ Time: _____		Date: _____ Time: _____		Date: _____ Time: _____		Date: _____ Time: _____	
				UPS ☐ FedEx ☐ Other ☐		Temperature upon receipt _____ °C											

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Environmental Analysis Request/Chain of Custody



Lancaster Laboratories
Environmental

Acct. # _____ Group # _____ Sample # _____

Client Name: Groundwater & Environmental Services, Inc		Acct #: _____		Matrix		Analyses Requested										For Lab Use Only	
Project Name/ #: GTAC-Bishop Tube HSCA Site				☐ Tissue ☒ Ground ☐ Surface		Preservation and Filtration Codes										SF #: _____	
Site Address: 1 S Malin Road, Malvern, PA 19355				☐ Sediment ☐ Potable ☐ NPDES												SCR #: _____	
GES PM/CM: Tim Uhler/Derek Yoder																	
Client Address: 410 Eagleview Blvd, Suite 110 Exton, PA 19341																	
Email report: labreportspae@gesonline.com AND tuhler@gesonline.com																	
Invoice needs to be emailed to ges-invoices@gesonline.com. COC must be attached to invoice. Invoice must reference job # 0070462-3020-06																	
State where samples were collected: PA		For Compliance: Yes ☐ No ☒															
Sampler: <u>Ryan Dolewski</u>		Collection															
Sampler Signature: <u>[Signature]</u>																	
Sample Identification		Date	Time	Grab	Composite	Soil	Water	Other	Total # of Containers	8260D - TCL VOCs 4.3	1633A - PFAS (List of 40)	6020B - Dissolved Ni, Mn, and Cr	218.6 - Chromium, Hexavalent Dissolved	9056A - Fluoride Dissolved	Remarks		
MW-25C	6-3-26	1315	X				X		8	3	2	1	1	1	Methods 6020B, 218.6 and 9056A need lab filtration. All are unpreserved.		
MW-1L	6-3-26	1330	X				X		8	3	2	1	1	1			
MW-1B	6-3-26	1400	X				X		8	3	2	1	1	1			
MW-72	6-3-26	1445	X				X		8	3	2	1	1	1			
MW-73	6-3-26	1500	X				X		8	3	2	1	1	1			
Field Blank 4	6-3-26	0510	X				X		8	3	2	1	1	1			
Field Blank 5	6-3-26	1515	X				X		8	3	2	1	1	1			
TB060326	5-7-26	—	X				X		2	2							
Turnaround Time Requested (TAT) (please check): Standard ☒ Rush ☐		(Rush TAT is subject to laboratory approval and surcharges.)				Relinquished by: <u>[Signature]</u>		Date	Time	Received by: <u>[Signature]</u>		Date	Time				
Date results are needed:						Relinquished by: <u>[Signature]</u>		Date	Time	Received by: <u>[Signature]</u>		Date	Time				
Rush results requested by (please check): E-Mail ☐ Phone ☐						Relinquished by: <u>[Signature]</u>		Date	Time	Received by: <u>[Signature]</u>		Date	Time				
E-mail Address: <u>labreportspae@gesonline.com</u>						Relinquished by: <u>[Signature]</u>		Date	Time	Received by: <u>[Signature]</u>		Date	Time				
Phone: _____						Relinquished by: <u>[Signature]</u>		Date	Time	Received by: <u>[Signature]</u>		Date	Time				
Data Package Options (please check if required)						Relinquished by: <u>[Signature]</u>		Date	Time	Received by: <u>[Signature]</u>		Date	Time				
Type I (Validation/non-CLP)	☐	MA MCP	☐			Relinquished by: <u>[Signature]</u>		Date	Time	Received by: <u>[Signature]</u>		Date	Time				
Type III (Reduced non-CLP)	☐	CT RCP	☐			Relinquished by: <u>[Signature]</u>		Date	Time	Received by: <u>[Signature]</u>		Date	Time				
Type VI (Raw Data Only)	☐	TX TRRP-13	☐			Relinquished by: <u>[Signature]</u>		Date	Time	Received by: <u>[Signature]</u>		Date	Time				
NJ DKQP	☐	NYSDEC Category	☐ A or ☐ B			Relinquished by Commercial Carrier:				Temperature upon receipt _____ °C							
EDD Required?	Yes ☒ No ☐	If yes, format: _____				UPS ☐ FedEx ☐ Other ☐											

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2-9-5-5.8 0-9-5-5.9
R: 5.8-9.5 C: 5.9-9.5

③ Ryan
2241
6/3/26

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 410-286525-1

Login Number: 286525

List Number: 1

Creator: McDonald, Teigan

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable, where thermal pres is required ($\leq 6^{\circ}\text{C}$, not frozen).	False	Received same day of collection; chilling process has begun.
Cooler Temperature is recorded.	True	
WV: Container Temp acceptable, where thermal pres is required ($\leq 6^{\circ}\text{C}$, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	True	
VOA sample vials do not have headspace $> 6\text{mm}$ in diameter (none, if from WV)?	True	

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Tim Uhler
Groundwater & Environmental Services Inc
410 Eagleview Boulevard
Suite 110
Exton, Pennsylvania 19341-2577

Generated 6/18/2026 7:39:40 PM

JOB DESCRIPTION

GTAC-Bishop Tube

JOB NUMBER

410-286769-1

Eurofins Lancaster Laboratories Environment Testing, LLC

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Authorized for release by
Amek Carter, Project Manager
Loran.Carter@et.eurofinsus.com
(717)556-7252

Generated
6/18/2026 7:39:40 PM

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
 - Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
 - Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
- Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

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WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.



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Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
^c	CCV Recovery is outside acceptance limits.
cn	Refer to Case Narrative for further detail
FH	MS and/or MSD recovery above control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

HPLC/IC

Qualifier	Qualifier Description
E	Result exceeded calibration range.
FH	MS and/or MSD recovery above control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

LCMS

Qualifier	Qualifier Description
*5-	Isotope dilution analyte is outside acceptance limits, low biased.
*5+	Isotope dilution analyte is outside acceptance limits, high biased.
cn	Refer to Case Narrative for further detail
I	Ion ratio outside limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control

Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Groundwater & Environmental Services Inc
Project: GTAC-Bishop Tube

Job ID: 410-286769-1

Job ID: 410-286769-1

Eurofins Lancaster Laboratories Environment

Job Narrative 410-286769-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 6/4/2026 4:42 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.3°C and 3.7°C.

Receipt Exceptions

A trip blank was submitted for analysis with these samples; however, it was not listed on the Chain of Custody (COC).

Backup volume for 1633 method was placed in the freezer upon receipt. MW-20R (410-286769-1), MW-68 (410-286769-2), MW-71 (410-286769-3), MW-69 (410-286769-4), MW-70 (410-286769-5), MW-21 (410-286769-6), MW-16 (410-286769-7), MW-1 (410-286769-8), MW-1 (410-286769-8[MS]), MW-1 (410-286769-8[MSD]), MW-36 (410-286769-9), MW-6 (410-286769-11), MW-9 (410-286769-12), SMP-1 (410-286769-13), SMP-2R (410-286769-14), SMP-3 (410-286769-15), SMP-4 (410-286769-16) and SMP-5 (410-286769-17)

GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-836381 recovered above the upper control limit for Dibromochloromethane, Carbon tetrachloride, Acetone and Bromoform. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-837183 recovered above the upper control limit for Freon 113 and Isopropylbenzene. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The sample was analyzed outside the 7-day holding time specified for unpreserved samples but within the 14-day holding time specified for preserved samples: MW-21 (410-286769-6).

Method 8260D: The method requirement for no headspace was not met. The container (s) used for reanalysis of the following samples contained headspace: MW-68 (410-286769-2) and MW-70 (410-286769-5). The sample container was received without headspace.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

PFAS

Method 1633A: Due to TSS greater than 50 mg/L when compared to a visual standard, the samples were spiked with extracted internal standards, shaken and centrifuged. The aqueous portion was decanted into the original container and extracted. The affected samples are MW-69 (410-286769-4), MW-36 (410-286769-9) and SMP-2R (410-286769-14).

Method 1633A: Samples(s) MW-21 (410-286769-6[MS]) and MW-21 (410-286769-6[MSD]) were submitted in a nonstandard container and subsampling was required.

Method 1633A: Analyte Perfluorohexanesulfonic acid (PFHxS) was marked as non-detect for sample MW-69 (410-286769-4) and

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Case Narrative

Client: Groundwater & Environmental Services Inc
Project: GTAC-Bishop Tube

Job ID: 410-286769-1

Job ID: 410-286769-1 (Continued)

Eurofins Lancaster Laboratories Environment

MW-70 (410-286769-5) due to a detection below RL and failing ion ratio.

Method 1633A: The transition mass ratio for Perfluorooctanesulfonic acid (PFOS) in sample MW-1 (410-286769-8) in analytical batch 410-836397 was outside of the established ratio limits. However, analyst judgment was used to positively identify the analyte. The analyte is flagged appropriately to identify this exceedance.

Method 1633A: The labeled isotopes ¹³C₈ PFOS are outside QC acceptance limits. Since the recovery in sample MW-68 (410-286769-2) is greater than 5%, and the signal to noise ratio is greater than 10:1, the data is reported.

Method 1633A: The recovery for labeled isotope(s) ¹³C₃-PFD₂S were outside QC acceptance criteria in sample SMP-2R (410-286769-14). Since the labeled isotope recoveries were greater than or equal to 5% and the signal to noise was greater than 10:1, therefore, the data is reported.

Method 1633A: The labeled isotopes ¹³C₂ 4:2 FTS are outside QC acceptance limits. Since the recovery in sample MW-6 (410-286769-11) is less than 350%, the data is reported.

Method 1633A: The transition mass ratio for Perfluorooctanoic acid (PFOA) in sample MW-36 (410-286769-9) and MW-6 (410-286769-11) in analytical batch 410-836397 was outside of the established ratio limits. However, analyst judgment was used to positively identify the analyte. The analyte is flagged appropriately to identify this exceedance.

Method 1633A: The transition mass ratio for Perfluorononanoic acid (PFNA) in sample SMP-2R (410-286769-14) in analytical batch 410-836397 was outside of the established ratio limits. However, analyst judgment was used to positively identify the analyte. The analyte is flagged appropriately to identify this exceedance.

Method 1633A: The recovery for labeled isotope(s) ¹³C₂ PFTeDA, ¹³C₈ FOSA, d₇-N-MeFOSE-M, d₉-N-EtFOSE-M, d₅-NEtPFOSA, d₃-NMePFOSA and ¹³C₃-PFD₂S were outside QC acceptance criteria in sample MW-36 (410-286769-9). Since the labeled isotope recoveries were greater than or equal to 5% and the signal to noise was greater than 10:1, therefore, the data is reported.

Method 1633A: Analyte Perfluorononanoic acid (PFNA) was marked as non-detect for sample MW-36 (410-286769-9) due to a detection below RL and failing ion ratio.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals

Method 6020B - Dissolved: The following samples were not filtered within 15 minutes of sample collection as required by the method: MW-20R (410-286769-1), MW-68 (410-286769-2), MW-71 (410-286769-3), MW-69 (410-286769-4), MW-21 (410-286769-6), MW-21 (410-286769-6[DU]), MW-21 (410-286769-6[MS]) and MW-21 (410-286769-6[MSD]). The sample(s) was filtered prior to analysis at the laboratory, and the results have been reported. This does not meet regulatory requirements.

Method 6020B - Dissolved: The following samples were not filtered within 15 minutes of sample collection as required by the method: MW-70 (410-286769-5), MW-16 (410-286769-7), MW-1 (410-286769-8), MW-36 (410-286769-9), MW-4 (410-286769-10), MW-6 (410-286769-11), MW-9 (410-286769-12), SMP-1 (410-286769-13), SMP-2R (410-286769-14), SMP-3 (410-286769-15), SMP-4 (410-286769-16) and SMP-5 (410-286769-17). The sample(s) was filtered prior to analysis at the laboratory, and the results have been reported. This does not meet regulatory requirements.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-20R

Lab Sample ID: 410-286769-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.2	J	20	0.70	ug/L	1		8260D	Total/NA
Trichloroethene	0.55	J	1.0	0.30	ug/L	1		8260D	Total/NA
Fluoride	0.18	J	0.20	0.10	mg/L	1		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	120		3.7	1.0	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	420		1.9	0.56	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	250		1.9	0.47	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	190		1.9	0.75	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	170		1.9	0.84	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	28		1.9	0.47	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	0.64	J	1.9	0.47	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.85	J	1.9	0.47	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.3	J	1.9	0.75	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.2		1.9	1.2	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	16		3.7	0.93	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	2.6	J	3.7	0.93	ng/L	1		1633A	Total/NA
3-Perfluoropentylpropanoic acid (5:3 FTCA)	6.0	J	9.3	2.6	ng/L	1		1633A	Total/NA
Chromium	0.0058	cn	0.0021	0.00057	mg/L	1		6020B	Dissolved

Client Sample ID: MW-68

Lab Sample ID: 410-286769-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	4.2	J	10	3.0	ug/L	10		8260D	Total/NA
Tetrachloroethene	9.4	J	10	3.0	ug/L	10		8260D	Total/NA
trans-1,2-Dichloroethene	81		20	7.0	ug/L	10		8260D	Total/NA
1,1,1-Trichloroethane	200		10	3.0	ug/L	10		8260D	Total/NA
Vinyl chloride	450		10	3.0	ug/L	10		8260D	Total/NA
1,1-Dichloroethane	300		10	3.0	ug/L	10		8260D	Total/NA
1,1-Dichloroethene	200		10	3.0	ug/L	10		8260D	Total/NA
1,1,2-Trichloroethane	8.2	J	10	3.0	ug/L	10		8260D	Total/NA
Trichloroethene - DL	19000		100	30	ug/L	100		8260D	Total/NA
cis-1,2-Dichloroethene - DL2	90000	cn	1000	300	ug/L	1000		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	59		3.4	0.95	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	190		1.7	0.52	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	130		1.7	0.43	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	130		1.7	0.69	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	120		1.7	0.77	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	31		1.7	0.43	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	1.4	J	1.7	0.43	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.94	J	1.7	0.43	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.3	J	1.7	0.69	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	5.0		1.7	1.1	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	2.2	J	3.4	0.86	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	210		3.4	0.86	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	40		3.4	0.86	ng/L	1		1633A	Total/NA
Manganese	2.4	cn	0.0021	0.0013	mg/L	1		6020B	Dissolved
Nickel	0.0055	cn	0.0010	0.00041	mg/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-71

Lab Sample ID: 410-286769-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	87		1.0	0.30	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	1.1	J	2.0	0.70	ug/L	1		8260D	Total/NA
Methyl tertiary butyl ether	1.6		1.0	0.20	ug/L	1		8260D	Total/NA
Acetone	3.5	J	20	0.70	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	6.1		1.0	0.30	ug/L	1		8260D	Total/NA
Chloroethane	2.2		1.0	0.30	ug/L	1		8260D	Total/NA
Vinyl chloride	3.7		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	11		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	2.4		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	12		1.0	0.30	ug/L	1		8260D	Total/NA
Fluoride	0.12	J	0.20	0.10	mg/L	1		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	55		3.8	1.0	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	170		1.9	0.56	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	120		1.9	0.47	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	110		1.9	0.75	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	110		1.9	0.85	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	30		1.9	0.47	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	1.3	J	1.9	0.47	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.76	J	1.9	0.47	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.2	J	1.9	0.75	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.7		1.9	1.2	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	2.0	J	3.8	0.94	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	210		3.8	0.94	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	42		3.8	0.94	ng/L	1		1633A	Total/NA
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.9	J	9.4	2.6	ng/L	1		1633A	Total/NA
Chromium	0.0017	J cn	0.0021	0.00057	mg/L	1		6020B	Dissolved
Manganese	0.097	cn	0.0021	0.0013	mg/L	1		6020B	Dissolved
Nickel	0.0013	cn	0.0010	0.00041	mg/L	1		6020B	Dissolved

Client Sample ID: MW-69

Lab Sample ID: 410-286769-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	11		1.0	0.30	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	9.2		2.0	0.70	ug/L	1		8260D	Total/NA
Methyl tertiary butyl ether	0.41	J	1.0	0.20	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	100		1.0	0.30	ug/L	1		8260D	Total/NA
Vinyl chloride	69		1.0	0.30	ug/L	1		8260D	Total/NA
Carbon disulfide	0.87	J	5.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	17		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	46		1.0	0.30	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene - DL	4400		500	150	ug/L	500		8260D	Total/NA
Trichloroethene - DL	2900		500	150	ug/L	500		8260D	Total/NA
Fluoride	0.17	J	0.20	0.10	mg/L	1		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	85	cn	3.9	1.1	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	260	cn	1.9	0.58	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	180	cn	1.9	0.49	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	160	cn	1.9	0.78	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	130	cn	1.9	0.88	ng/L	1		1633A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-69 (Continued)

Lab Sample ID: 410-286769-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorononanoic acid (PFNA)	34	cn	1.9	0.49	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	2.1	cn	1.9	0.49	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.1	J cn	1.9	0.49	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	8.9	cn	1.9	1.3	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	1.7	J cn	3.9	0.97	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	150	cn	3.9	0.97	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	29	cn	3.9	0.97	ng/L	1		1633A	Total/NA
N-ethylperfluorooctane sulfonamide (NEtFOSA)	1.4	J cn	1.9	1.1	ng/L	1		1633A	Total/NA
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	6.5	J cn	9.7	3.9	ng/L	1		1633A	Total/NA
Manganese	2.2	cn	0.0021	0.0013	mg/L	1		6020B	Dissolved
Nickel	0.021	cn	0.0010	0.00041	mg/L	1		6020B	Dissolved

Client Sample ID: MW-70

Lab Sample ID: 410-286769-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	13		10	3.0	ug/L	10		8260D	Total/NA
Xylenes, Total	6.3	J	10	4.0	ug/L	10		8260D	Total/NA
Tetrachloroethene	27		10	3.0	ug/L	10		8260D	Total/NA
trans-1,2-Dichloroethene	100		20	7.0	ug/L	10		8260D	Total/NA
Acetone	10	J	200	7.0	ug/L	10		8260D	Total/NA
Chloroform	3.3	J	10	3.0	ug/L	10		8260D	Total/NA
1,1,1-Trichloroethane	1600		10	3.0	ug/L	10		8260D	Total/NA
Bromomethane	3.2	J	10	3.0	ug/L	10		8260D	Total/NA
Chloroethane	12		10	3.0	ug/L	10		8260D	Total/NA
Vinyl chloride	220		10	3.0	ug/L	10		8260D	Total/NA
1,1-Dichloroethane	1300		10	3.0	ug/L	10		8260D	Total/NA
1,1-Dichloroethene	690		10	3.0	ug/L	10		8260D	Total/NA
2-Butanone	21	J	100	10	ug/L	10		8260D	Total/NA
Trichloroethene	340		10	3.0	ug/L	10		8260D	Total/NA
cis-1,2-Dichloroethene - DL	83000	cn	1000	300	ug/L	1000		8260D	Total/NA
Fluoride	0.13	J	0.20	0.10	mg/L	1		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	98		3.7	1.0	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	320		1.8	0.55	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	200		1.8	0.46	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	170		1.8	0.74	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	170		1.8	0.83	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	36		1.8	0.46	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	1.6	J	1.8	0.46	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	9.2		1.8	1.2	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	1.9	J	3.7	0.92	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	170		3.7	0.92	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	32		3.7	0.92	ng/L	1		1633A	Total/NA
Manganese	7.4	cn	0.021	0.013	mg/L	10		6020B	Dissolved
Nickel	0.0099	cn	0.0010	0.00041	mg/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-21

Lab Sample ID: 410-286769-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.55	J cn	1.0	0.30	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	52	cn	1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	5.0	cn	1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	2.1	cn	1.0	0.30	ug/L	1		8260D	Total/NA
Freon 113	1.3	J cn	10	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	23	cn	1.0	0.30	ug/L	1		8260D	Total/NA
Fluoride	23	FH	2.0	1.0	mg/L	10		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	4.5		3.5	0.97	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	17		1.8	0.53	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	11		1.8	0.44	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	2.6		1.8	0.70	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	2.5		1.8	0.79	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	1.1	J	1.8	0.44	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.72	J	1.8	0.70	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	2.0	J	3.5	0.88	ng/L	1		1633A	Total/NA
Manganese	0.11	cn	0.0021	0.0013	mg/L	1		6020B	Dissolved
Nickel	0.073	cn	0.0010	0.00041	mg/L	1		6020B	Dissolved

Client Sample ID: MW-16

Lab Sample ID: 410-286769-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.40	J	1.0	0.30	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	48		1.0	0.30	ug/L	1		8260D	Total/NA
Acetone	3.4	J ^c cn	20	0.70	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	110		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	3.4		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	5.9		1.0	0.30	ug/L	1		8260D	Total/NA
Freon 113	10		10	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	54		1.0	0.30	ug/L	1		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	18		3.7	1.0	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	39		1.9	0.56	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	27		1.9	0.46	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	19		1.9	0.74	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	23		1.9	0.83	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	8.7		1.9	0.46	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	4.0		1.9	0.46	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.87	J	1.9	0.74	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.0		1.9	1.2	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	1.1	J	3.7	0.93	ng/L	1		1633A	Total/NA

Client Sample ID: MW-1

Lab Sample ID: 410-286769-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	3.6		3.4	0.93	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	4.2		1.7	0.51	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	3.7		1.7	0.42	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	2.2		1.7	0.68	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	6.2		1.7	0.76	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	1.2	J	1.7	0.42	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.2	J	1.7	0.42	ng/L	1		1633A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-1 (Continued)

Lab Sample ID: 410-286769-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanesulfonic acid (PFHxS)	1.8		1.7	0.68	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.1	I cn	1.7	1.1	ng/L	1		1633A	Total/NA
Nickel	0.0014	cn	0.0010	0.00041	mg/L	1		6020B	Dissolved

Client Sample ID: MW-36

Lab Sample ID: 410-286769-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	8.4	J ^c cn	20	0.70	ug/L	1		8260D	Total/NA
Fluoride	0.13	J	0.20	0.10	mg/L	1		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	4.3	cn	4.0	1.1	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	5.2	cn	2.0	0.60	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	4.0	cn	2.0	0.50	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	2.0	cn	2.0	0.79	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	4.7	I cn	2.0	0.89	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	2.7	cn	2.0	0.50	ng/L	1		1633A	Total/NA
Perfluoroundecanoic acid (PFUnA)	6.8	cn	2.0	0.50	ng/L	1		1633A	Total/NA
Perfluorododecanoic acid (PFDoA)	7.0	cn	2.0	0.50	ng/L	1		1633A	Total/NA
Perfluorotridecanoic acid (PFTTrDA)	3.1	cn	2.0	0.50	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.4	J cn	2.0	0.50	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	12	cn	2.0	1.3	ng/L	1		1633A	Total/NA
Chromium	0.0056	cn	0.0021	0.00057	mg/L	1		6020B	Dissolved
Manganese	0.10	cn	0.0021	0.0013	mg/L	1		6020B	Dissolved
Nickel	0.051	cn	0.0010	0.00041	mg/L	1		6020B	Dissolved

Client Sample ID: MW-4

Lab Sample ID: 410-286769-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoride	4.4		1.0	0.50	mg/L	5		9056A	Dissolved
Chromium	0.0015	J cn	0.0021	0.00057	mg/L	1		6020B	Dissolved
Manganese	0.52	cn	0.0021	0.0013	mg/L	1		6020B	Dissolved
Nickel	0.012	cn	0.0010	0.00041	mg/L	1		6020B	Dissolved

Client Sample ID: MW-6

Lab Sample ID: 410-286769-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	18	J ^c cn	20	0.70	ug/L	1		8260D	Total/NA
Trichloroethene	0.31	J	1.0	0.30	ug/L	1		8260D	Total/NA
Fluoride	0.65		0.20	0.10	mg/L	1		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	22		3.7	1.0	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	12		1.8	0.55	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	14		1.8	0.46	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	7.6		1.8	0.73	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	12	I cn	1.8	0.82	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	2.1		1.8	0.46	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	16		3.7	0.92	ng/L	1		1633A	Total/NA
Chromium	0.00074	J cn	0.0021	0.00057	mg/L	1		6020B	Dissolved
Manganese	0.49	cn	0.0021	0.0013	mg/L	1		6020B	Dissolved
Nickel	0.0045	cn	0.0010	0.00041	mg/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-9

Lab Sample ID: 410-286769-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.31	J	1.0	0.30	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	160		1.0	0.30	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	1.6	J	2.0	0.70	ug/L	1		8260D	Total/NA
Methyl tertiary butyl ether	1.7		1.0	0.20	ug/L	1		8260D	Total/NA
Acetone	3.3	J ^c cn	20	0.70	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	29		1.0	0.30	ug/L	1		8260D	Total/NA
Vinyl chloride	22		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	5.7		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	1.5		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	15		1.0	0.30	ug/L	1		8260D	Total/NA
Fluoride	2.1		0.20	0.10	mg/L	1		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	49		3.5	0.97	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	130		1.8	0.53	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	95		1.8	0.44	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	85		1.8	0.71	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	88		1.8	0.79	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	24		1.8	0.44	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.62	J	1.8	0.44	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.84	J	1.8	0.71	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.9		1.8	1.1	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	2.0	J	3.5	0.88	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	220		3.5	0.88	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	38		3.5	0.88	ng/L	1		1633A	Total/NA
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	4.5	J	8.8	3.5	ng/L	1		1633A	Total/NA
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	5.6	J	8.8	3.5	ng/L	1		1633A	Total/NA
Manganese	0.34	cn	0.0021	0.0013	mg/L	1		6020B	Dissolved
Nickel	0.0059	cn	0.0010	0.00041	mg/L	1		6020B	Dissolved

Client Sample ID: SMP-1

Lab Sample ID: 410-286769-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	210		1.0	0.30	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	1.0	J	2.0	0.70	ug/L	1		8260D	Total/NA
Methyl tertiary butyl ether	1.2		1.0	0.20	ug/L	1		8260D	Total/NA
Acetone	1.1	J ^c cn	20	0.70	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	32		1.0	0.30	ug/L	1		8260D	Total/NA
Vinyl chloride	1.1		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	3.9		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	1.7		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	13		1.0	0.30	ug/L	1		8260D	Total/NA
Fluoride	3.0		1.0	0.50	mg/L	5		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	52		3.5	0.97	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	160		1.8	0.53	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	120		1.8	0.44	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	100		1.8	0.70	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	100		1.8	0.79	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	28		1.8	0.44	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	0.81	J	1.8	0.44	ng/L	1		1633A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: SMP-1 (Continued)

Lab Sample ID: 410-286769-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	0.50	J	1.8	0.44	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.0	J	1.8	0.70	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.2		1.8	1.1	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	2.2	J	3.5	0.88	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	230		3.5	0.88	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	90		3.5	0.88	ng/L	1		1633A	Total/NA
Chromium	0.0026	cn	0.0021	0.00057	mg/L	1		6020B	Dissolved
Manganese	0.044	cn	0.0021	0.0013	mg/L	1		6020B	Dissolved
Nickel	0.0030	cn	0.0010	0.00041	mg/L	1		6020B	Dissolved

Client Sample ID: SMP-2R

Lab Sample ID: 410-286769-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.59	J	1.0	0.30	ug/L	1		8260D	Total/NA
Acetone	5.5	J ^c cn	20	0.70	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	0.50	J	1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	0.30	J	1.0	0.30	ug/L	1		8260D	Total/NA
Fluoride	7.5		1.0	0.50	mg/L	5		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	9.5	cn	3.6	0.99	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	18	cn	1.8	0.54	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	12	cn	1.8	0.45	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	6.4	cn	1.8	0.72	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	8.6	cn	1.8	0.81	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	3.5	l cn	1.8	0.45	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.3	J cn	1.8	0.45	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.0	J cn	1.8	0.72	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	5.2	cn	1.8	1.2	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	15	cn	3.6	0.90	ng/L	1		1633A	Total/NA
Chromium	0.0022	cn	0.0021	0.00057	mg/L	1		6020B	Dissolved
Manganese	0.20	cn	0.0021	0.0013	mg/L	1		6020B	Dissolved
Nickel	0.0088	cn	0.0010	0.00041	mg/L	1		6020B	Dissolved

Client Sample ID: SMP-3

Lab Sample ID: 410-286769-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.39	J	1.0	0.30	ug/L	1		8260D	Total/NA
Acetone	4.1	J	20	0.70	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	7.9		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	0.44	J	1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	3.7		1.0	0.30	ug/L	1		8260D	Total/NA
Cr (VI)	0.34		0.10	0.050	mg/L	10		218.6	Dissolved
Fluoride	16		2.0	1.0	mg/L	10		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	23		3.7	1.0	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	89		1.8	0.55	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	63		1.8	0.46	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	19		1.8	0.73	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	20		1.8	0.82	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	6.4		1.8	0.46	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.58	J	1.8	0.46	ng/L	1		1633A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: SMP-3 (Continued)

Lab Sample ID: 410-286769-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanesulfonic acid (PFHxS)	0.96	J	1.8	0.73	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.2		1.8	1.2	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	78		3.7	0.92	ng/L	1		1633A	Total/NA
3-Perfluoropentylpropanoic acid (5:3 FTCA)	4.8	J	9.2	2.6	ng/L	1		1633A	Total/NA
Chromium	0.31	cn	0.0021	0.00057	mg/L	1		6020B	Dissolved
Manganese	0.025	cn	0.0021	0.0013	mg/L	1		6020B	Dissolved
Nickel	0.054	cn	0.0010	0.00041	mg/L	1		6020B	Dissolved

Client Sample ID: SMP-4

Lab Sample ID: 410-286769-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.5	J	20	0.70	ug/L	1		8260D	Total/NA
Trichloroethene	2.5		1.0	0.30	ug/L	1		8260D	Total/NA
Cr (VI)	0.76		0.10	0.050	mg/L	10		218.6	Dissolved
Fluoride	17		2.0	1.0	mg/L	10		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	23		3.4	0.93	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	77		1.7	0.51	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	56		1.7	0.42	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	20		1.7	0.68	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	17		1.7	0.76	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	5.8		1.7	0.42	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.63	J	1.7	0.42	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.77	J	1.7	0.68	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.3		1.7	1.1	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	60		3.4	0.84	ng/L	1		1633A	Total/NA
3-Perfluoropentylpropanoic acid (5:3 FTCA)	4.6	J	8.4	2.4	ng/L	1		1633A	Total/NA
Chromium	0.68	cn	0.0021	0.00057	mg/L	1		6020B	Dissolved
Manganese	0.028	cn	0.0021	0.0013	mg/L	1		6020B	Dissolved
Nickel	0.84	cn	0.0010	0.00041	mg/L	1		6020B	Dissolved

Client Sample ID: SMP-5

Lab Sample ID: 410-286769-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.3	J	20	0.70	ug/L	1		8260D	Total/NA
Trichloroethene	0.78	J	1.0	0.30	ug/L	1		8260D	Total/NA
Cr (VI)	0.23		0.010	0.0050	mg/L	1		218.6	Dissolved
Fluoride	3.4		1.0	0.50	mg/L	5		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	6.1		3.7	1.0	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	20		1.8	0.55	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	14		1.8	0.46	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	6.4		1.8	0.73	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	6.3		1.8	0.83	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	1.8		1.8	0.46	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.87	J	1.8	0.73	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	25		3.7	0.92	ng/L	1		1633A	Total/NA
Nonfluoro-3,6-dioxahexanoic acid (NFDHA)	0.46	J	1.8	0.46	ng/L	1		1633A	Total/NA
Chromium	0.22	cn	0.0021	0.00057	mg/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: SMP-5 (Continued)

Lab Sample ID: 410-286769-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	0.078	cn	0.0010	0.00041	mg/L	1		6020B	Dissolved

Client Sample ID: Trip Blank

Lab Sample ID: 410-286769-18

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-20R

Lab Sample ID: 410-286769-1

Date Collected: 06/04/26 08:15

Matrix: Water

Date Received: 06/04/26 16:42

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/17/26 23:09	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/17/26 23:09	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/17/26 23:09	1
Styrene	ND		5.0	0.30	ug/L			06/17/26 23:09	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/17/26 23:09	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/17/26 23:09	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/17/26 23:09	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/17/26 23:09	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/17/26 23:09	1
Toluene	ND		1.0	0.30	ug/L			06/17/26 23:09	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/17/26 23:09	1
Cyclohexane	ND		5.0	1.0	ug/L			06/17/26 23:09	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/17/26 23:09	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/17/26 23:09	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/17/26 23:09	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/17/26 23:09	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/17/26 23:09	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/17/26 23:09	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/17/26 23:09	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/17/26 23:09	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/17/26 23:09	1
2-Hexanone	ND		10	0.85	ug/L			06/17/26 23:09	1
Acetone	2.2	J	20	0.70	ug/L			06/17/26 23:09	1
Chloroform	ND		1.0	0.30	ug/L			06/17/26 23:09	1
Benzene	ND		1.0	0.30	ug/L			06/17/26 23:09	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/17/26 23:09	1
Bromomethane	ND		1.0	0.30	ug/L			06/17/26 23:09	1
Chloromethane	ND		2.0	0.55	ug/L			06/17/26 23:09	1
Chloroethane	ND		1.0	0.30	ug/L			06/17/26 23:09	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/17/26 23:09	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/17/26 23:09	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/17/26 23:09	1
Bromoform	ND		4.0	1.0	ug/L			06/17/26 23:09	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/17/26 23:09	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/17/26 23:09	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/17/26 23:09	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/17/26 23:09	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/17/26 23:09	1
Freon 113	ND	^c cn	10	0.30	ug/L			06/17/26 23:09	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/17/26 23:09	1
2-Butanone	ND		10	1.0	ug/L			06/17/26 23:09	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/17/26 23:09	1
Trichloroethene	0.55	J	1.0	0.30	ug/L			06/17/26 23:09	1
Methyl acetate	ND		5.0	0.60	ug/L			06/17/26 23:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/17/26 23:09	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/17/26 23:09	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/17/26 23:09	1
Isopropylbenzene	ND	^c cn	5.0	0.30	ug/L			06/17/26 23:09	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-20R

Lab Sample ID: 410-286769-1

Date Collected: 06/04/26 08:15

Matrix: Water

Date Received: 06/04/26 16:42

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		06/17/26 23:09	1
Dibromofluoromethane (Surr)	102		80 - 120		06/17/26 23:09	1
4-Bromofluorobenzene (Surr)	99		80 - 120		06/17/26 23:09	1
Toluene-d8 (Surr)	102		80 - 120		06/17/26 23:09	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/05/26 21:14	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.18	J	0.20	0.10	mg/L			06/17/26 15:19	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	120		3.7	1.0	ng/L		06/15/26 16:38	06/17/26 05:55	1
Perfluoropentanoic acid (PFPeA)	420		1.9	0.56	ng/L		06/15/26 16:38	06/17/26 05:55	1
Perfluorohexanoic acid (PFHxA)	250		1.9	0.47	ng/L		06/15/26 16:38	06/17/26 05:55	1
Perfluoroheptanoic acid (PFHpA)	190		1.9	0.75	ng/L		06/15/26 16:38	06/17/26 05:55	1
Perfluorooctanoic acid (PFOA)	170		1.9	0.84	ng/L		06/15/26 16:38	06/17/26 05:55	1
Perfluorononanoic acid (PFNA)	28		1.9	0.47	ng/L		06/15/26 16:38	06/17/26 05:55	1
Perfluorodecanoic acid (PFDA)	0.64	J	1.9	0.47	ng/L		06/15/26 16:38	06/17/26 05:55	1
Perfluoroundecanoic acid (PFUnA)	ND		1.9	0.47	ng/L		06/15/26 16:38	06/17/26 05:55	1
Perfluorododecanoic acid (PFDoA)	ND		1.9	0.47	ng/L		06/15/26 16:38	06/17/26 05:55	1
Perfluorotridecanoic acid (PFTriDA)	ND		1.9	0.47	ng/L		06/15/26 16:38	06/17/26 05:55	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.9	0.47	ng/L		06/15/26 16:38	06/17/26 05:55	1
Perfluorobutanesulfonic acid (PFBS)	0.85	J	1.9	0.47	ng/L		06/15/26 16:38	06/17/26 05:55	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.9	0.47	ng/L		06/15/26 16:38	06/17/26 05:55	1
Perfluorohexanesulfonic acid (PFHxS)	1.3	J	1.9	0.75	ng/L		06/15/26 16:38	06/17/26 05:55	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.9	0.47	ng/L		06/15/26 16:38	06/17/26 05:55	1
Perfluorooctanesulfonic acid (PFOS)	3.2		1.9	1.2	ng/L		06/15/26 16:38	06/17/26 05:55	1
Perfluorononanesulfonic acid (PFNS)	ND		1.9	0.47	ng/L		06/15/26 16:38	06/17/26 05:55	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.9	0.47	ng/L		06/15/26 16:38	06/17/26 05:55	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.9	0.56	ng/L		06/15/26 16:38	06/17/26 05:55	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.7	0.93	ng/L		06/15/26 16:38	06/17/26 05:55	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	16		3.7	0.93	ng/L		06/15/26 16:38	06/17/26 05:55	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	2.6	J	3.7	0.93	ng/L		06/15/26 16:38	06/17/26 05:55	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.9	0.47	ng/L		06/15/26 16:38	06/17/26 05:55	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.9	0.47	ng/L		06/15/26 16:38	06/17/26 05:55	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.9	1.0	ng/L		06/15/26 16:38	06/17/26 05:55	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.9	0.47	ng/L		06/15/26 16:38	06/17/26 05:55	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-20R

Lab Sample ID: 410-286769-1

Date Collected: 06/04/26 08:15

Matrix: Water

Date Received: 06/04/26 16:42

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.9	0.47	ng/L		06/15/26 16:38	06/17/26 05:55	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		9.3	3.7	ng/L		06/15/26 16:38	06/17/26 05:55	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		9.3	3.7	ng/L		06/15/26 16:38	06/17/26 05:55	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.9	1.3	ng/L		06/15/26 16:38	06/17/26 05:55	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.9	0.47	ng/L		06/15/26 16:38	06/17/26 05:55	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.9	0.47	ng/L		06/15/26 16:38	06/17/26 05:55	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.9	0.47	ng/L		06/15/26 16:38	06/17/26 05:55	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.9	0.47	ng/L		06/15/26 16:38	06/17/26 05:55	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.9	0.47	ng/L		06/15/26 16:38	06/17/26 05:55	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.9	0.47	ng/L		06/15/26 16:38	06/17/26 05:55	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.9	0.47	ng/L		06/15/26 16:38	06/17/26 05:55	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.7	0.93	ng/L		06/15/26 16:38	06/17/26 05:55	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	6.0	J	9.3	2.6	ng/L		06/15/26 16:38	06/17/26 05:55	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		9.3	2.3	ng/L		06/15/26 16:38	06/17/26 05:55	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	98.3		5 - 130	06/15/26 16:38	06/17/26 05:55	1
13C5 PFPeA	80.8		40 - 130	06/15/26 16:38	06/17/26 05:55	1
13C5 PFHxA	83.3		40 - 130	06/15/26 16:38	06/17/26 05:55	1
13C4 PFHpA	85.7		40 - 130	06/15/26 16:38	06/17/26 05:55	1
13C8 PFOA	91.5		40 - 130	06/15/26 16:38	06/17/26 05:55	1
13C9 PFNA	84.2		40 - 130	06/15/26 16:38	06/17/26 05:55	1
13C6 PFDA	76.6		40 - 130	06/15/26 16:38	06/17/26 05:55	1
13C7 PFUnA	82.0		30 - 130	06/15/26 16:38	06/17/26 05:55	1
13C2 PFTeDA	75.2		10 - 130	06/15/26 16:38	06/17/26 05:55	1
13C3 PFBS	87.6		40 - 135	06/15/26 16:38	06/17/26 05:55	1
13C3 PFHxS	85.8		40 - 130	06/15/26 16:38	06/17/26 05:55	1
13C8 PFOS	82.6		40 - 130	06/15/26 16:38	06/17/26 05:55	1
13C8 FOSA	72.2		40 - 130	06/15/26 16:38	06/17/26 05:55	1
d3-NMeFOSAA	66.5		40 - 170	06/15/26 16:38	06/17/26 05:55	1
d5-NEtFOSAA	61.4		25 - 135	06/15/26 16:38	06/17/26 05:55	1
13C2 4:2 FTS	137		40 - 200	06/15/26 16:38	06/17/26 05:55	1
13C2 6:2 FTS	115		40 - 200	06/15/26 16:38	06/17/26 05:55	1
13C2 8:2 FTS	136		40 - 300	06/15/26 16:38	06/17/26 05:55	1
13C3 HFPO-DA	89.1		40 - 130	06/15/26 16:38	06/17/26 05:55	1
d7-N-MeFOSE-M	55.6		10 - 130	06/15/26 16:38	06/17/26 05:55	1
d9-N-EtFOSE-M	58.4		10 - 130	06/15/26 16:38	06/17/26 05:55	1
d5-NEtPFOSA	63.5		10 - 130	06/15/26 16:38	06/17/26 05:55	1
d3-NMePFOSA	66.5		10 - 130	06/15/26 16:38	06/17/26 05:55	1
13C2 PFDoA	86.3		10 - 130	06/15/26 16:38	06/17/26 05:55	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-20R

Lab Sample ID: 410-286769-1

Date Collected: 06/04/26 08:15

Matrix: Water

Date Received: 06/04/26 16:42

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-3:3 FTCA	89.5		20 - 150	06/15/26 16:38	06/17/26 05:55	1
13C3-5:3 FTCA	86.9		20 - 150	06/15/26 16:38	06/17/26 05:55	1
13C3-PFDoS	72.2		20 - 150	06/15/26 16:38	06/17/26 05:55	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.0058	cn	0.0021	0.00057	mg/L		06/09/26 15:20	06/10/26 16:56	1
Manganese	ND	cn	0.0021	0.0013	mg/L		06/09/26 15:20	06/10/26 16:56	1
Nickel	ND	cn	0.0010	0.00041	mg/L		06/09/26 15:20	06/10/26 16:56	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-68

Lab Sample ID: 410-286769-2

Date Collected: 06/04/26 08:35

Matrix: Water

Date Received: 06/04/26 16:42

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		10	5.0	ug/L			06/18/26 06:00	10
trans-1,3-Dichloropropene	ND		10	2.0	ug/L			06/18/26 06:00	10
Ethylbenzene	ND		10	4.0	ug/L			06/18/26 06:00	10
Styrene	ND		50	3.0	ug/L			06/18/26 06:00	10
1,4-Dichlorobenzene	ND		50	3.0	ug/L			06/18/26 06:00	10
1,2-Dibromoethane	ND		10	2.0	ug/L			06/18/26 06:00	10
1,2-Dichloroethane	ND		10	3.0	ug/L			06/18/26 06:00	10
4-Methyl-2-pentanone	ND		100	5.0	ug/L			06/18/26 06:00	10
Methylcyclohexane	ND		50	5.0	ug/L			06/18/26 06:00	10
Toluene	4.2	J	10	3.0	ug/L			06/18/26 06:00	10
Chlorobenzene	ND		10	3.0	ug/L			06/18/26 06:00	10
Cyclohexane	ND		50	10	ug/L			06/18/26 06:00	10
1,2,4-Trichlorobenzene	ND		50	3.0	ug/L			06/18/26 06:00	10
Dibromochloromethane	ND		10	2.0	ug/L			06/18/26 06:00	10
Xylenes, Total	ND		10	4.0	ug/L			06/18/26 06:00	10
Tetrachloroethene	9.4	J	10	3.0	ug/L			06/18/26 06:00	10
trans-1,2-Dichloroethene	81		20	7.0	ug/L			06/18/26 06:00	10
Methyl tertiary butyl ether	ND		10	2.0	ug/L			06/18/26 06:00	10
1,3-Dichlorobenzene	ND		50	6.8	ug/L			06/18/26 06:00	10
Carbon tetrachloride	ND		10	3.0	ug/L			06/18/26 06:00	10
2-Hexanone	ND		100	8.5	ug/L			06/18/26 06:00	10
Acetone	ND		200	7.0	ug/L			06/18/26 06:00	10
Chloroform	ND		10	3.0	ug/L			06/18/26 06:00	10
Benzene	ND		10	3.0	ug/L			06/18/26 06:00	10
1,1,1-Trichloroethane	200		10	3.0	ug/L			06/18/26 06:00	10
Bromomethane	ND		10	3.0	ug/L			06/18/26 06:00	10
Chloromethane	ND		20	5.5	ug/L			06/18/26 06:00	10
Chloroethane	ND		10	3.0	ug/L			06/18/26 06:00	10
Vinyl chloride	450		10	3.0	ug/L			06/18/26 06:00	10
Methylene Chloride	ND		10	3.0	ug/L			06/18/26 06:00	10
Carbon disulfide	ND		50	3.0	ug/L			06/18/26 06:00	10
Bromoform	ND		40	10	ug/L			06/18/26 06:00	10
Bromodichloromethane	ND		10	2.0	ug/L			06/18/26 06:00	10
1,1-Dichloroethane	300		10	3.0	ug/L			06/18/26 06:00	10
1,1-Dichloroethene	200		10	3.0	ug/L			06/18/26 06:00	10
Trichlorofluoromethane	ND		10	3.0	ug/L			06/18/26 06:00	10
Dichlorodifluoromethane	ND		10	3.0	ug/L			06/18/26 06:00	10
Freon 113	ND ^c		100	3.0	ug/L			06/18/26 06:00	10
1,2-Dichloropropane	ND		10	3.0	ug/L			06/18/26 06:00	10
2-Butanone	ND		100	10	ug/L			06/18/26 06:00	10
1,1,2-Trichloroethane	8.2	J	10	3.0	ug/L			06/18/26 06:00	10
Methyl acetate	ND		50	6.0	ug/L			06/18/26 06:00	10
1,1,2,2-Tetrachloroethane	ND		10	3.0	ug/L			06/18/26 06:00	10
1,2-Dichlorobenzene	ND		50	2.0	ug/L			06/18/26 06:00	10
1,2-Dibromo-3-Chloropropane	ND		50	3.0	ug/L			06/18/26 06:00	10
Isopropylbenzene	ND ^c		50	3.0	ug/L			06/18/26 06:00	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120		06/18/26 06:00	10
Dibromofluoromethane (Surr)	99		80 - 120		06/18/26 06:00	10

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-68

Lab Sample ID: 410-286769-2

Date Collected: 06/04/26 08:35

Matrix: Water

Date Received: 06/04/26 16:42

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		80 - 120		06/18/26 06:00	10
Toluene-d8 (Surr)	104		80 - 120		06/18/26 06:00	10

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	19000		100	30	ug/L			06/18/26 06:23	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		06/18/26 06:23	100
Dibromofluoromethane (Surr)	100		80 - 120		06/18/26 06:23	100
4-Bromofluorobenzene (Surr)	99		80 - 120		06/18/26 06:23	100
Toluene-d8 (Surr)	102		80 - 120		06/18/26 06:23	100

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	90000	cn	1000	300	ug/L			06/18/26 13:30	1000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101	cn	80 - 120		06/18/26 13:30	1000
Dibromofluoromethane (Surr)	111	cn	80 - 120		06/18/26 13:30	1000
4-Bromofluorobenzene (Surr)	87	cn	80 - 120		06/18/26 13:30	1000
Toluene-d8 (Surr)	92	cn	80 - 120		06/18/26 13:30	1000

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/05/26 21:21	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20	0.10	mg/L			06/17/26 15:31	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	59		3.4	0.95	ng/L		06/15/26 16:38	06/17/26 06:09	1
Perfluoropentanoic acid (PFPeA)	190		1.7	0.52	ng/L		06/15/26 16:38	06/17/26 06:09	1
Perfluorohexanoic acid (PFHxA)	130		1.7	0.43	ng/L		06/15/26 16:38	06/17/26 06:09	1
Perfluoroheptanoic acid (PFHpA)	130		1.7	0.69	ng/L		06/15/26 16:38	06/17/26 06:09	1
Perfluorooctanoic acid (PFOA)	120		1.7	0.77	ng/L		06/15/26 16:38	06/17/26 06:09	1
Perfluorononanoic acid (PFNA)	31		1.7	0.43	ng/L		06/15/26 16:38	06/17/26 06:09	1
Perfluorodecanoic acid (PFDA)	1.4	J	1.7	0.43	ng/L		06/15/26 16:38	06/17/26 06:09	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.43	ng/L		06/15/26 16:38	06/17/26 06:09	1
Perfluorododecanoic acid (PFDoA)	ND		1.7	0.43	ng/L		06/15/26 16:38	06/17/26 06:09	1
Perfluorotridecanoic acid (PFTriDA)	ND		1.7	0.43	ng/L		06/15/26 16:38	06/17/26 06:09	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.7	0.43	ng/L		06/15/26 16:38	06/17/26 06:09	1
Perfluorobutanesulfonic acid (PFBS)	0.94	J	1.7	0.43	ng/L		06/15/26 16:38	06/17/26 06:09	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.7	0.43	ng/L		06/15/26 16:38	06/17/26 06:09	1
Perfluorohexanesulfonic acid (PFHxS)	1.3	J	1.7	0.69	ng/L		06/15/26 16:38	06/17/26 06:09	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.7	0.43	ng/L		06/15/26 16:38	06/17/26 06:09	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-68

Lab Sample ID: 410-286769-2

Date Collected: 06/04/26 08:35

Matrix: Water

Date Received: 06/04/26 16:42

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	5.0		1.7	1.1	ng/L		06/15/26 16:38	06/17/26 06:09	1
Perfluorononanesulfonic acid (PFNS)	ND		1.7	0.43	ng/L		06/15/26 16:38	06/17/26 06:09	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.43	ng/L		06/15/26 16:38	06/17/26 06:09	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.7	0.52	ng/L		06/15/26 16:38	06/17/26 06:09	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	2.2 J		3.4	0.86	ng/L		06/15/26 16:38	06/17/26 06:09	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	210		3.4	0.86	ng/L		06/15/26 16:38	06/17/26 06:09	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	40		3.4	0.86	ng/L		06/15/26 16:38	06/17/26 06:09	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.7	0.43	ng/L		06/15/26 16:38	06/17/26 06:09	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.7	0.43	ng/L		06/15/26 16:38	06/17/26 06:09	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.7	0.95	ng/L		06/15/26 16:38	06/17/26 06:09	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.7	0.43	ng/L		06/15/26 16:38	06/17/26 06:09	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.7	0.43	ng/L		06/15/26 16:38	06/17/26 06:09	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.6	3.4	ng/L		06/15/26 16:38	06/17/26 06:09	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.6	3.4	ng/L		06/15/26 16:38	06/17/26 06:09	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.7	1.2	ng/L		06/15/26 16:38	06/17/26 06:09	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.7	0.43	ng/L		06/15/26 16:38	06/17/26 06:09	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.7	0.43	ng/L		06/15/26 16:38	06/17/26 06:09	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.7	0.43	ng/L		06/15/26 16:38	06/17/26 06:09	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.7	0.43	ng/L		06/15/26 16:38	06/17/26 06:09	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.7	0.43	ng/L		06/15/26 16:38	06/17/26 06:09	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.7	0.43	ng/L		06/15/26 16:38	06/17/26 06:09	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.7	0.43	ng/L		06/15/26 16:38	06/17/26 06:09	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.4	0.86	ng/L		06/15/26 16:38	06/17/26 06:09	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		8.6	2.4	ng/L		06/15/26 16:38	06/17/26 06:09	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.6	2.2	ng/L		06/15/26 16:38	06/17/26 06:09	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	93.4		5 - 130				06/15/26 16:38	06/17/26 06:09	1
13C5 PFPeA	78.8		40 - 130				06/15/26 16:38	06/17/26 06:09	1
13C5 PFHxA	77.4		40 - 130				06/15/26 16:38	06/17/26 06:09	1
13C4 PFHpA	77.5		40 - 130				06/15/26 16:38	06/17/26 06:09	1
13C8 PFOA	86.2		40 - 130				06/15/26 16:38	06/17/26 06:09	1
13C9 PFNA	75.1		40 - 130				06/15/26 16:38	06/17/26 06:09	1
13C6 PFDA	51.9		40 - 130				06/15/26 16:38	06/17/26 06:09	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-68

Lab Sample ID: 410-286769-2

Date Collected: 06/04/26 08:35

Matrix: Water

Date Received: 06/04/26 16:42

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C7 PFUnA	30.6		30 - 130	06/15/26 16:38	06/17/26 06:09	1
13C2 PFTeDA	29.1		10 - 130	06/15/26 16:38	06/17/26 06:09	1
13C3 PFBS	90.0		40 - 135	06/15/26 16:38	06/17/26 06:09	1
13C3 PFHxS	73.6		40 - 130	06/15/26 16:38	06/17/26 06:09	1
13C8 PFOS	34.7	*5- cn	40 - 130	06/15/26 16:38	06/17/26 06:09	1
13C8 FOSA	54.8		40 - 130	06/15/26 16:38	06/17/26 06:09	1
d3-NMeFOSAA	43.2		40 - 170	06/15/26 16:38	06/17/26 06:09	1
d5-NEtFOSAA	37.7		25 - 135	06/15/26 16:38	06/17/26 06:09	1
13C2 4:2 FTS	147		40 - 200	06/15/26 16:38	06/17/26 06:09	1
13C2 6:2 FTS	105		40 - 200	06/15/26 16:38	06/17/26 06:09	1
13C2 8:2 FTS	121		40 - 300	06/15/26 16:38	06/17/26 06:09	1
13C3 HFPO-DA	73.3		40 - 130	06/15/26 16:38	06/17/26 06:09	1
d7-N-MeFOSE-M	33.3		10 - 130	06/15/26 16:38	06/17/26 06:09	1
d9-N-EtFOSE-M	32.6		10 - 130	06/15/26 16:38	06/17/26 06:09	1
d5-NEtPFOSA	34.8		10 - 130	06/15/26 16:38	06/17/26 06:09	1
d3-NMePFOSA	37.0		10 - 130	06/15/26 16:38	06/17/26 06:09	1
13C2 PFDoA	23.5		10 - 130	06/15/26 16:38	06/17/26 06:09	1
13C3-3:3 FTCA	93.0		20 - 150	06/15/26 16:38	06/17/26 06:09	1
13C3-5:3 FTCA	85.1		20 - 150	06/15/26 16:38	06/17/26 06:09	1
13C3-PFDoS	27.4		20 - 150	06/15/26 16:38	06/17/26 06:09	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND	cn	0.0021	0.00057	mg/L		06/09/26 15:20	06/10/26 16:54	1
Manganese	2.4	cn	0.0021	0.0013	mg/L		06/09/26 15:20	06/10/26 16:54	1
Nickel	0.0055	cn	0.0010	0.00041	mg/L		06/09/26 15:20	06/10/26 16:54	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-71

Lab Sample ID: 410-286769-3

Date Collected: 06/04/26 09:00

Matrix: Water

Date Received: 06/04/26 16:42

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/17/26 23:32	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/17/26 23:32	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/17/26 23:32	1
Styrene	ND		5.0	0.30	ug/L			06/17/26 23:32	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/17/26 23:32	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/17/26 23:32	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/17/26 23:32	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/17/26 23:32	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/17/26 23:32	1
Toluene	ND		1.0	0.30	ug/L			06/17/26 23:32	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/17/26 23:32	1
Cyclohexane	ND		5.0	1.0	ug/L			06/17/26 23:32	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/17/26 23:32	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/17/26 23:32	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/17/26 23:32	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/17/26 23:32	1
cis-1,2-Dichloroethene	87		1.0	0.30	ug/L			06/17/26 23:32	1
trans-1,2-Dichloroethene	1.1	J	2.0	0.70	ug/L			06/17/26 23:32	1
Methyl tertiary butyl ether	1.6		1.0	0.20	ug/L			06/17/26 23:32	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/17/26 23:32	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/17/26 23:32	1
2-Hexanone	ND		10	0.85	ug/L			06/17/26 23:32	1
Acetone	3.5	J	20	0.70	ug/L			06/17/26 23:32	1
Chloroform	ND		1.0	0.30	ug/L			06/17/26 23:32	1
Benzene	ND		1.0	0.30	ug/L			06/17/26 23:32	1
1,1,1-Trichloroethane	6.1		1.0	0.30	ug/L			06/17/26 23:32	1
Bromomethane	ND		1.0	0.30	ug/L			06/17/26 23:32	1
Chloromethane	ND		2.0	0.55	ug/L			06/17/26 23:32	1
Chloroethane	2.2		1.0	0.30	ug/L			06/17/26 23:32	1
Vinyl chloride	3.7		1.0	0.30	ug/L			06/17/26 23:32	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/17/26 23:32	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/17/26 23:32	1
Bromoform	ND		4.0	1.0	ug/L			06/17/26 23:32	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/17/26 23:32	1
1,1-Dichloroethane	11		1.0	0.30	ug/L			06/17/26 23:32	1
1,1-Dichloroethene	2.4		1.0	0.30	ug/L			06/17/26 23:32	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/17/26 23:32	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/17/26 23:32	1
Freon 113	ND	^c cn	10	0.30	ug/L			06/17/26 23:32	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/17/26 23:32	1
2-Butanone	ND		10	1.0	ug/L			06/17/26 23:32	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/17/26 23:32	1
Trichloroethene	12		1.0	0.30	ug/L			06/17/26 23:32	1
Methyl acetate	ND		5.0	0.60	ug/L			06/17/26 23:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/17/26 23:32	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/17/26 23:32	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/17/26 23:32	1
Isopropylbenzene	ND	^c cn	5.0	0.30	ug/L			06/17/26 23:32	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-71

Lab Sample ID: 410-286769-3

Date Collected: 06/04/26 09:00

Matrix: Water

Date Received: 06/04/26 16:42

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		80 - 120		06/17/26 23:32	1
Dibromofluoromethane (Surr)	101		80 - 120		06/17/26 23:32	1
4-Bromofluorobenzene (Surr)	96		80 - 120		06/17/26 23:32	1
Toluene-d8 (Surr)	105		80 - 120		06/17/26 23:32	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/05/26 21:29	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.12	J	0.20	0.10	mg/L			06/17/26 15:43	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	55		3.8	1.0	ng/L		06/15/26 16:38	06/17/26 06:23	1
Perfluoropentanoic acid (PFPeA)	170		1.9	0.56	ng/L		06/15/26 16:38	06/17/26 06:23	1
Perfluorohexanoic acid (PFHxA)	120		1.9	0.47	ng/L		06/15/26 16:38	06/17/26 06:23	1
Perfluoroheptanoic acid (PFHpA)	110		1.9	0.75	ng/L		06/15/26 16:38	06/17/26 06:23	1
Perfluorooctanoic acid (PFOA)	110		1.9	0.85	ng/L		06/15/26 16:38	06/17/26 06:23	1
Perfluorononanoic acid (PFNA)	30		1.9	0.47	ng/L		06/15/26 16:38	06/17/26 06:23	1
Perfluorodecanoic acid (PFDA)	1.3	J	1.9	0.47	ng/L		06/15/26 16:38	06/17/26 06:23	1
Perfluoroundecanoic acid (PFUnA)	ND		1.9	0.47	ng/L		06/15/26 16:38	06/17/26 06:23	1
Perfluorododecanoic acid (PFDoA)	ND		1.9	0.47	ng/L		06/15/26 16:38	06/17/26 06:23	1
Perfluorotridecanoic acid (PFTriDA)	ND		1.9	0.47	ng/L		06/15/26 16:38	06/17/26 06:23	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.9	0.47	ng/L		06/15/26 16:38	06/17/26 06:23	1
Perfluorobutanesulfonic acid (PFBS)	0.76	J	1.9	0.47	ng/L		06/15/26 16:38	06/17/26 06:23	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.9	0.47	ng/L		06/15/26 16:38	06/17/26 06:23	1
Perfluorohexanesulfonic acid (PFHxS)	1.2	J	1.9	0.75	ng/L		06/15/26 16:38	06/17/26 06:23	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.9	0.47	ng/L		06/15/26 16:38	06/17/26 06:23	1
Perfluorooctanesulfonic acid (PFOS)	3.7		1.9	1.2	ng/L		06/15/26 16:38	06/17/26 06:23	1
Perfluorononanesulfonic acid (PFNS)	ND		1.9	0.47	ng/L		06/15/26 16:38	06/17/26 06:23	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.9	0.47	ng/L		06/15/26 16:38	06/17/26 06:23	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.9	0.56	ng/L		06/15/26 16:38	06/17/26 06:23	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	2.0	J	3.8	0.94	ng/L		06/15/26 16:38	06/17/26 06:23	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	210		3.8	0.94	ng/L		06/15/26 16:38	06/17/26 06:23	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	42		3.8	0.94	ng/L		06/15/26 16:38	06/17/26 06:23	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.9	0.47	ng/L		06/15/26 16:38	06/17/26 06:23	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.9	0.47	ng/L		06/15/26 16:38	06/17/26 06:23	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.9	1.0	ng/L		06/15/26 16:38	06/17/26 06:23	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.9	0.47	ng/L		06/15/26 16:38	06/17/26 06:23	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-71

Lab Sample ID: 410-286769-3

Date Collected: 06/04/26 09:00

Matrix: Water

Date Received: 06/04/26 16:42

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.9	0.47	ng/L		06/15/26 16:38	06/17/26 06:23	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		9.4	3.8	ng/L		06/15/26 16:38	06/17/26 06:23	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		9.4	3.8	ng/L		06/15/26 16:38	06/17/26 06:23	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.9	1.3	ng/L		06/15/26 16:38	06/17/26 06:23	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.9	0.47	ng/L		06/15/26 16:38	06/17/26 06:23	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.9	0.47	ng/L		06/15/26 16:38	06/17/26 06:23	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.9	0.47	ng/L		06/15/26 16:38	06/17/26 06:23	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.9	0.47	ng/L		06/15/26 16:38	06/17/26 06:23	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.9	0.47	ng/L		06/15/26 16:38	06/17/26 06:23	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.9	0.47	ng/L		06/15/26 16:38	06/17/26 06:23	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.9	0.47	ng/L		06/15/26 16:38	06/17/26 06:23	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.8	0.94	ng/L		06/15/26 16:38	06/17/26 06:23	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.9 J		9.4	2.6	ng/L		06/15/26 16:38	06/17/26 06:23	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		9.4	2.4	ng/L		06/15/26 16:38	06/17/26 06:23	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	91.2		5 - 130	06/15/26 16:38	06/17/26 06:23	1
13C5 PFPeA	81.1		40 - 130	06/15/26 16:38	06/17/26 06:23	1
13C5 PFHxA	77.1		40 - 130	06/15/26 16:38	06/17/26 06:23	1
13C4 PFHpA	82.4		40 - 130	06/15/26 16:38	06/17/26 06:23	1
13C8 PFOA	80.4		40 - 130	06/15/26 16:38	06/17/26 06:23	1
13C9 PFNA	71.7		40 - 130	06/15/26 16:38	06/17/26 06:23	1
13C6 PFDA	58.9		40 - 130	06/15/26 16:38	06/17/26 06:23	1
13C7 PFUnA	43.0		30 - 130	06/15/26 16:38	06/17/26 06:23	1
13C2 PFTeDA	24.8		10 - 130	06/15/26 16:38	06/17/26 06:23	1
13C3 PFBS	79.2		40 - 135	06/15/26 16:38	06/17/26 06:23	1
13C3 PFHxS	70.9		40 - 130	06/15/26 16:38	06/17/26 06:23	1
13C8 PFOS	40.6		40 - 130	06/15/26 16:38	06/17/26 06:23	1
13C8 FOSA	60.4		40 - 130	06/15/26 16:38	06/17/26 06:23	1
d3-NMeFOSAA	49.8		40 - 170	06/15/26 16:38	06/17/26 06:23	1
d5-NEtFOSAA	43.6		25 - 135	06/15/26 16:38	06/17/26 06:23	1
13C2 4:2 FTS	106		40 - 200	06/15/26 16:38	06/17/26 06:23	1
13C2 6:2 FTS	87.5		40 - 200	06/15/26 16:38	06/17/26 06:23	1
13C2 8:2 FTS	93.3		40 - 300	06/15/26 16:38	06/17/26 06:23	1
13C3 HFPO-DA	83.9		40 - 130	06/15/26 16:38	06/17/26 06:23	1
d7-N-MeFOSE-M	34.9		10 - 130	06/15/26 16:38	06/17/26 06:23	1
d9-N-EtFOSE-M	31.5		10 - 130	06/15/26 16:38	06/17/26 06:23	1
d5-NEtPFOSA	37.5		10 - 130	06/15/26 16:38	06/17/26 06:23	1
d3-NMePFOSA	41.3		10 - 130	06/15/26 16:38	06/17/26 06:23	1
13C2 PFDoA	28.9		10 - 130	06/15/26 16:38	06/17/26 06:23	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-71

Lab Sample ID: 410-286769-3

Date Collected: 06/04/26 09:00

Matrix: Water

Date Received: 06/04/26 16:42

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-3:3 FTCA	93.6		20 - 150	06/15/26 16:38	06/17/26 06:23	1
13C3-5:3 FTCA	81.4		20 - 150	06/15/26 16:38	06/17/26 06:23	1
13C3-PFDoS	22.9		20 - 150	06/15/26 16:38	06/17/26 06:23	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.0017	J cn	0.0021	0.00057	mg/L		06/09/26 15:20	06/10/26 16:58	1
Manganese	0.097	cn	0.0021	0.0013	mg/L		06/09/26 15:20	06/10/26 16:58	1
Nickel	0.0013	cn	0.0010	0.00041	mg/L		06/09/26 15:20	06/10/26 16:58	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-69

Lab Sample ID: 410-286769-4

Date Collected: 06/04/26 09:30

Matrix: Water

Date Received: 06/04/26 16:42

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/17/26 23:55	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/17/26 23:55	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/17/26 23:55	1
Styrene	ND		5.0	0.30	ug/L			06/17/26 23:55	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/17/26 23:55	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/17/26 23:55	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/17/26 23:55	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/17/26 23:55	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/17/26 23:55	1
Toluene	ND		1.0	0.30	ug/L			06/17/26 23:55	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/17/26 23:55	1
Cyclohexane	ND		5.0	1.0	ug/L			06/17/26 23:55	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/17/26 23:55	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/17/26 23:55	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/17/26 23:55	1
Tetrachloroethene	11		1.0	0.30	ug/L			06/17/26 23:55	1
trans-1,2-Dichloroethene	9.2		2.0	0.70	ug/L			06/17/26 23:55	1
Methyl tertiary butyl ether	0.41	J	1.0	0.20	ug/L			06/17/26 23:55	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/17/26 23:55	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/17/26 23:55	1
2-Hexanone	ND		10	0.85	ug/L			06/17/26 23:55	1
Acetone	ND		20	0.70	ug/L			06/17/26 23:55	1
Chloroform	ND		1.0	0.30	ug/L			06/17/26 23:55	1
Benzene	ND		1.0	0.30	ug/L			06/17/26 23:55	1
1,1,1-Trichloroethane	100		1.0	0.30	ug/L			06/17/26 23:55	1
Bromomethane	ND		1.0	0.30	ug/L			06/17/26 23:55	1
Chloromethane	ND		2.0	0.55	ug/L			06/17/26 23:55	1
Chloroethane	ND		1.0	0.30	ug/L			06/17/26 23:55	1
Vinyl chloride	69		1.0	0.30	ug/L			06/17/26 23:55	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/17/26 23:55	1
Carbon disulfide	0.87	J	5.0	0.30	ug/L			06/17/26 23:55	1
Bromoform	ND		4.0	1.0	ug/L			06/17/26 23:55	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/17/26 23:55	1
1,1-Dichloroethane	17		1.0	0.30	ug/L			06/17/26 23:55	1
1,1-Dichloroethene	46		1.0	0.30	ug/L			06/17/26 23:55	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/17/26 23:55	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/17/26 23:55	1
Freon 113	ND	^c cn	10	0.30	ug/L			06/17/26 23:55	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/17/26 23:55	1
2-Butanone	ND		10	1.0	ug/L			06/17/26 23:55	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/17/26 23:55	1
Methyl acetate	ND		5.0	0.60	ug/L			06/17/26 23:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/17/26 23:55	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/17/26 23:55	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/17/26 23:55	1
Isopropylbenzene	ND	^c cn	5.0	0.30	ug/L			06/17/26 23:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120					06/17/26 23:55	1
Dibromofluoromethane (Surr)	100		80 - 120					06/17/26 23:55	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-69

Lab Sample ID: 410-286769-4

Date Collected: 06/04/26 09:30

Matrix: Water

Date Received: 06/04/26 16:42

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		80 - 120		06/17/26 23:55	1
Toluene-d8 (Surr)	104		80 - 120		06/17/26 23:55	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	4400		500	150	ug/L			06/18/26 18:33	500
Trichloroethene	2900		500	150	ug/L			06/18/26 18:33	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120		06/18/26 18:33	500
Dibromofluoromethane (Surr)	101		80 - 120		06/18/26 18:33	500
4-Bromofluorobenzene (Surr)	98		80 - 120		06/18/26 18:33	500
Toluene-d8 (Surr)	102		80 - 120		06/18/26 18:33	500

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/05/26 21:59	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.17	J	0.20	0.10	mg/L			06/17/26 15:56	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	85	cn	3.9	1.1	ng/L		06/15/26 16:38	06/17/26 06:36	1
Perfluoropentanoic acid (PFPeA)	260	cn	1.9	0.58	ng/L		06/15/26 16:38	06/17/26 06:36	1
Perfluorohexanoic acid (PFHxA)	180	cn	1.9	0.49	ng/L		06/15/26 16:38	06/17/26 06:36	1
Perfluoroheptanoic acid (PFHpA)	160	cn	1.9	0.78	ng/L		06/15/26 16:38	06/17/26 06:36	1
Perfluorooctanoic acid (PFOA)	130	cn	1.9	0.88	ng/L		06/15/26 16:38	06/17/26 06:36	1
Perfluorononanoic acid (PFNA)	34	cn	1.9	0.49	ng/L		06/15/26 16:38	06/17/26 06:36	1
Perfluorodecanoic acid (PFDA)	2.1	cn	1.9	0.49	ng/L		06/15/26 16:38	06/17/26 06:36	1
Perfluoroundecanoic acid (PFUnA)	ND	cn	1.9	0.49	ng/L		06/15/26 16:38	06/17/26 06:36	1
Perfluorododecanoic acid (PFDoA)	ND	cn	1.9	0.49	ng/L		06/15/26 16:38	06/17/26 06:36	1
Perfluorotridecanoic acid (PFTTrDA)	ND	cn	1.9	0.49	ng/L		06/15/26 16:38	06/17/26 06:36	1
Perfluorotetradecanoic acid (PFTeDA)	ND	cn	1.9	0.49	ng/L		06/15/26 16:38	06/17/26 06:36	1
Perfluorobutanesulfonic acid (PFBS)	1.1	J cn	1.9	0.49	ng/L		06/15/26 16:38	06/17/26 06:36	1
Perfluoropentanesulfonic acid (PFPeS)	ND	cn	1.9	0.49	ng/L		06/15/26 16:38	06/17/26 06:36	1
Perfluorohexanesulfonic acid (PFHxS)	ND	I cn	1.9	0.78	ng/L		06/15/26 16:38	06/17/26 06:36	1
Perfluoroheptanesulfonic acid (PFHpS)	ND	cn	1.9	0.49	ng/L		06/15/26 16:38	06/17/26 06:36	1
Perfluorooctanesulfonic acid (PFOS)	8.9	cn	1.9	1.3	ng/L		06/15/26 16:38	06/17/26 06:36	1
Perfluorononanesulfonic acid (PFNS)	ND	cn	1.9	0.49	ng/L		06/15/26 16:38	06/17/26 06:36	1
Perfluorodecanesulfonic acid (PFDS)	ND	cn	1.9	0.49	ng/L		06/15/26 16:38	06/17/26 06:36	1
Perfluorododecanesulfonic acid (PFDoS)	ND	cn	1.9	0.58	ng/L		06/15/26 16:38	06/17/26 06:36	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	1.7	J cn	3.9	0.97	ng/L		06/15/26 16:38	06/17/26 06:36	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	150	cn	3.9	0.97	ng/L		06/15/26 16:38	06/17/26 06:36	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-69

Lab Sample ID: 410-286769-4

Date Collected: 06/04/26 09:30

Matrix: Water

Date Received: 06/04/26 16:42

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	29	cn	3.9	0.97	ng/L		06/15/26 16:38	06/17/26 06:36	1
Perfluorooctanesulfonamide (PFOSA)	ND	cn	1.9	0.49	ng/L		06/15/26 16:38	06/17/26 06:36	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND	cn	1.9	0.49	ng/L		06/15/26 16:38	06/17/26 06:36	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	1.4	J cn	1.9	1.1	ng/L		06/15/26 16:38	06/17/26 06:36	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND	cn	1.9	0.49	ng/L		06/15/26 16:38	06/17/26 06:36	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND	cn	1.9	0.49	ng/L		06/15/26 16:38	06/17/26 06:36	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND	cn	9.7	3.9	ng/L		06/15/26 16:38	06/17/26 06:36	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	6.5	J cn	9.7	3.9	ng/L		06/15/26 16:38	06/17/26 06:36	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	cn	1.9	1.4	ng/L		06/15/26 16:38	06/17/26 06:36	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND	cn	1.9	0.49	ng/L		06/15/26 16:38	06/17/26 06:36	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	cn	1.9	0.49	ng/L		06/15/26 16:38	06/17/26 06:36	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	cn	1.9	0.49	ng/L		06/15/26 16:38	06/17/26 06:36	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	cn	1.9	0.49	ng/L		06/15/26 16:38	06/17/26 06:36	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND	cn	1.9	0.49	ng/L		06/15/26 16:38	06/17/26 06:36	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND	cn	1.9	0.49	ng/L		06/15/26 16:38	06/17/26 06:36	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND	cn	1.9	0.49	ng/L		06/15/26 16:38	06/17/26 06:36	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND	cn	3.9	0.97	ng/L		06/15/26 16:38	06/17/26 06:36	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND	cn	9.7	2.7	ng/L		06/15/26 16:38	06/17/26 06:36	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND	cn	9.7	2.4	ng/L		06/15/26 16:38	06/17/26 06:36	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	90.2	cn	5 - 130				06/15/26 16:38	06/17/26 06:36	1
13C5 PFPeA	62.9	cn	40 - 130				06/15/26 16:38	06/17/26 06:36	1
13C5 PFHxA	67.8	cn	40 - 130				06/15/26 16:38	06/17/26 06:36	1
13C4 PFHpA	65.2	cn	40 - 130				06/15/26 16:38	06/17/26 06:36	1
13C8 PFOA	90.8	cn	40 - 130				06/15/26 16:38	06/17/26 06:36	1
13C9 PFNA	83.0	cn	40 - 130				06/15/26 16:38	06/17/26 06:36	1
13C6 PFDA	69.8	cn	40 - 130				06/15/26 16:38	06/17/26 06:36	1
13C7 PFUnA	52.0	cn	30 - 130				06/15/26 16:38	06/17/26 06:36	1
13C2 PFTeDA	20.7	cn	10 - 130				06/15/26 16:38	06/17/26 06:36	1
13C3 PFBS	88.7	cn	40 - 135				06/15/26 16:38	06/17/26 06:36	1
13C3 PFHxS	86.1	cn	40 - 130				06/15/26 16:38	06/17/26 06:36	1
13C8 PFOS	76.0	cn	40 - 130				06/15/26 16:38	06/17/26 06:36	1
13C8 FOSA	61.3	cn	40 - 130				06/15/26 16:38	06/17/26 06:36	1
d3-NMeFOSAA	60.6	cn	40 - 170				06/15/26 16:38	06/17/26 06:36	1
d5-NEtFOSAA	48.3	cn	25 - 135				06/15/26 16:38	06/17/26 06:36	1
13C2 4:2 FTS	174	cn	40 - 200				06/15/26 16:38	06/17/26 06:36	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-69

Lab Sample ID: 410-286769-4

Date Collected: 06/04/26 09:30

Matrix: Water

Date Received: 06/04/26 16:42

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 6:2 FTS	179	cn	40 - 200	06/15/26 16:38	06/17/26 06:36	1
13C2 8:2 FTS	137	cn	40 - 300	06/15/26 16:38	06/17/26 06:36	1
13C3 HFPO-DA	65.4	cn	40 - 130	06/15/26 16:38	06/17/26 06:36	1
d7-N-MeFOSE-M	21.8	cn	10 - 130	06/15/26 16:38	06/17/26 06:36	1
d9-N-EtFOSE-M	18.7	cn	10 - 130	06/15/26 16:38	06/17/26 06:36	1
d5-N-EtPFOSA	26.7	cn	10 - 130	06/15/26 16:38	06/17/26 06:36	1
d3-NMePFOSA	32.9	cn	10 - 130	06/15/26 16:38	06/17/26 06:36	1
13C2 PFDoA	35.1	cn	10 - 130	06/15/26 16:38	06/17/26 06:36	1
13C3-3:3 FTCA	77.4	cn	20 - 150	06/15/26 16:38	06/17/26 06:36	1
13C3-5:3 FTCA	78.4	cn	20 - 150	06/15/26 16:38	06/17/26 06:36	1
13C3-PFDoS	23.5	cn	20 - 150	06/15/26 16:38	06/17/26 06:36	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND	cn	0.0021	0.00057	mg/L		06/09/26 15:20	06/10/26 17:08	1
Manganese	2.2	cn	0.0021	0.0013	mg/L		06/09/26 15:20	06/10/26 17:08	1
Nickel	0.021	cn	0.0010	0.00041	mg/L		06/09/26 15:20	06/10/26 17:08	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-70

Lab Sample ID: 410-286769-5

Date Collected: 06/04/26 09:50

Matrix: Water

Date Received: 06/04/26 16:42

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		10	5.0	ug/L			06/18/26 06:46	10
trans-1,3-Dichloropropene	ND		10	2.0	ug/L			06/18/26 06:46	10
Ethylbenzene	ND		10	4.0	ug/L			06/18/26 06:46	10
Styrene	ND		50	3.0	ug/L			06/18/26 06:46	10
1,4-Dichlorobenzene	ND		50	3.0	ug/L			06/18/26 06:46	10
1,2-Dibromoethane	ND		10	2.0	ug/L			06/18/26 06:46	10
1,2-Dichloroethane	ND		10	3.0	ug/L			06/18/26 06:46	10
4-Methyl-2-pentanone	ND		100	5.0	ug/L			06/18/26 06:46	10
Methylcyclohexane	ND		50	5.0	ug/L			06/18/26 06:46	10
Toluene	13		10	3.0	ug/L			06/18/26 06:46	10
Chlorobenzene	ND		10	3.0	ug/L			06/18/26 06:46	10
Cyclohexane	ND		50	10	ug/L			06/18/26 06:46	10
1,2,4-Trichlorobenzene	ND		50	3.0	ug/L			06/18/26 06:46	10
Dibromochloromethane	ND		10	2.0	ug/L			06/18/26 06:46	10
Xylenes, Total	6.3	J	10	4.0	ug/L			06/18/26 06:46	10
Tetrachloroethene	27		10	3.0	ug/L			06/18/26 06:46	10
trans-1,2-Dichloroethene	100		20	7.0	ug/L			06/18/26 06:46	10
Methyl tertiary butyl ether	ND		10	2.0	ug/L			06/18/26 06:46	10
1,3-Dichlorobenzene	ND		50	6.8	ug/L			06/18/26 06:46	10
Carbon tetrachloride	ND		10	3.0	ug/L			06/18/26 06:46	10
2-Hexanone	ND		100	8.5	ug/L			06/18/26 06:46	10
Acetone	10	J	200	7.0	ug/L			06/18/26 06:46	10
Chloroform	3.3	J	10	3.0	ug/L			06/18/26 06:46	10
Benzene	ND		10	3.0	ug/L			06/18/26 06:46	10
1,1,1-Trichloroethane	1600		10	3.0	ug/L			06/18/26 06:46	10
Bromomethane	3.2	J	10	3.0	ug/L			06/18/26 06:46	10
Chloromethane	ND		20	5.5	ug/L			06/18/26 06:46	10
Chloroethane	12		10	3.0	ug/L			06/18/26 06:46	10
Vinyl chloride	220		10	3.0	ug/L			06/18/26 06:46	10
Methylene Chloride	ND		10	3.0	ug/L			06/18/26 06:46	10
Carbon disulfide	ND		50	3.0	ug/L			06/18/26 06:46	10
Bromoform	ND		40	10	ug/L			06/18/26 06:46	10
Bromodichloromethane	ND		10	2.0	ug/L			06/18/26 06:46	10
1,1-Dichloroethane	1300		10	3.0	ug/L			06/18/26 06:46	10
1,1-Dichloroethene	690		10	3.0	ug/L			06/18/26 06:46	10
Trichlorofluoromethane	ND		10	3.0	ug/L			06/18/26 06:46	10
Dichlorodifluoromethane	ND		10	3.0	ug/L			06/18/26 06:46	10
Freon 113	ND	^c	100	3.0	ug/L			06/18/26 06:46	10
1,2-Dichloropropane	ND		10	3.0	ug/L			06/18/26 06:46	10
2-Butanone	21	J	100	10	ug/L			06/18/26 06:46	10
1,1,2-Trichloroethane	ND		10	3.0	ug/L			06/18/26 06:46	10
Trichloroethene	340		10	3.0	ug/L			06/18/26 06:46	10
Methyl acetate	ND		50	6.0	ug/L			06/18/26 06:46	10
1,1,2,2-Tetrachloroethane	ND		10	3.0	ug/L			06/18/26 06:46	10
1,2-Dichlorobenzene	ND		50	2.0	ug/L			06/18/26 06:46	10
1,2-Dibromo-3-Chloropropane	ND		50	3.0	ug/L			06/18/26 06:46	10
Isopropylbenzene	ND	^c	50	3.0	ug/L			06/18/26 06:46	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		06/18/26 06:46	10

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-70

Lab Sample ID: 410-286769-5

Date Collected: 06/04/26 09:50

Matrix: Water

Date Received: 06/04/26 16:42

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	103		80 - 120		06/18/26 06:46	10
4-Bromofluorobenzene (Surr)	98		80 - 120		06/18/26 06:46	10
Toluene-d8 (Surr)	103		80 - 120		06/18/26 06:46	10

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	83000	cn	1000	300	ug/L			06/18/26 13:53	1000
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97	cn	80 - 120					06/18/26 13:53	1000
Dibromofluoromethane (Surr)	111	cn	80 - 120					06/18/26 13:53	1000
4-Bromofluorobenzene (Surr)	87	cn	80 - 120					06/18/26 13:53	1000
Toluene-d8 (Surr)	91	cn	80 - 120					06/18/26 13:53	1000

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/05/26 21:36	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.13	J	0.20	0.10	mg/L			06/17/26 16:08	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	98		3.7	1.0	ng/L		06/15/26 16:38	06/17/26 06:50	1
Perfluoropentanoic acid (PFPeA)	320		1.8	0.55	ng/L		06/15/26 16:38	06/17/26 06:50	1
Perfluorohexanoic acid (PFHxA)	200		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 06:50	1
Perfluoroheptanoic acid (PFHpA)	170		1.8	0.74	ng/L		06/15/26 16:38	06/17/26 06:50	1
Perfluorooctanoic acid (PFOA)	170		1.8	0.83	ng/L		06/15/26 16:38	06/17/26 06:50	1
Perfluorononanoic acid (PFNA)	36		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 06:50	1
Perfluorodecanoic acid (PFDA)	1.6	J	1.8	0.46	ng/L		06/15/26 16:38	06/17/26 06:50	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 06:50	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 06:50	1
Perfluorotridecanoic acid (PFTTrDA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 06:50	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 06:50	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 06:50	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 06:50	1
Perfluorohexanesulfonic acid (PFHxS)	ND	I cn	1.8	0.74	ng/L		06/15/26 16:38	06/17/26 06:50	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 06:50	1
Perfluorooctanesulfonic acid (PFOS)	9.2		1.8	1.2	ng/L		06/15/26 16:38	06/17/26 06:50	1
Perfluorononanesulfonic acid (PFNS)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 06:50	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 06:50	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.55	ng/L		06/15/26 16:38	06/17/26 06:50	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	1.9	J	3.7	0.92	ng/L		06/15/26 16:38	06/17/26 06:50	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	170		3.7	0.92	ng/L		06/15/26 16:38	06/17/26 06:50	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-70

Lab Sample ID: 410-286769-5

Date Collected: 06/04/26 09:50

Matrix: Water

Date Received: 06/04/26 16:42

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	32		3.7	0.92	ng/L		06/15/26 16:38	06/17/26 06:50	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 06:50	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 06:50	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.8	1.0	ng/L		06/15/26 16:38	06/17/26 06:50	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 06:50	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 06:50	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		9.2	3.7	ng/L		06/15/26 16:38	06/17/26 06:50	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		9.2	3.7	ng/L		06/15/26 16:38	06/17/26 06:50	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.8	1.3	ng/L		06/15/26 16:38	06/17/26 06:50	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 06:50	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 06:50	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 06:50	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 06:50	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 06:50	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 06:50	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 06:50	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.7	0.92	ng/L		06/15/26 16:38	06/17/26 06:50	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		9.2	2.6	ng/L		06/15/26 16:38	06/17/26 06:50	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		9.2	2.3	ng/L		06/15/26 16:38	06/17/26 06:50	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	88.6		5 - 130				06/15/26 16:38	06/17/26 06:50	1
13C5 PFPeA	66.7		40 - 130				06/15/26 16:38	06/17/26 06:50	1
13C5 PFHxA	70.8		40 - 130				06/15/26 16:38	06/17/26 06:50	1
13C4 PFHpA	68.8		40 - 130				06/15/26 16:38	06/17/26 06:50	1
13C8 PFOA	88.7		40 - 130				06/15/26 16:38	06/17/26 06:50	1
13C9 PFNA	78.2		40 - 130				06/15/26 16:38	06/17/26 06:50	1
13C6 PFDA	59.0		40 - 130				06/15/26 16:38	06/17/26 06:50	1
13C7 PFUnA	38.9		30 - 130				06/15/26 16:38	06/17/26 06:50	1
13C2 PFTeDA	23.2		10 - 130				06/15/26 16:38	06/17/26 06:50	1
13C3 PFBS	89.5		40 - 135				06/15/26 16:38	06/17/26 06:50	1
13C3 PFHxS	79.6		40 - 130				06/15/26 16:38	06/17/26 06:50	1
13C8 PFOS	42.0		40 - 130				06/15/26 16:38	06/17/26 06:50	1
13C8 FOSA	53.7		40 - 130				06/15/26 16:38	06/17/26 06:50	1
d3-NMeFOSAA	58.8		40 - 170				06/15/26 16:38	06/17/26 06:50	1
d5-NEtFOSAA	50.7		25 - 135				06/15/26 16:38	06/17/26 06:50	1
13C2 4:2 FTS	196		40 - 200				06/15/26 16:38	06/17/26 06:50	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-70

Lab Sample ID: 410-286769-5

Date Collected: 06/04/26 09:50

Matrix: Water

Date Received: 06/04/26 16:42

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 6:2 FTS	145		40 - 200	06/15/26 16:38	06/17/26 06:50	1
13C2 8:2 FTS	149		40 - 300	06/15/26 16:38	06/17/26 06:50	1
13C3 HFPO-DA	69.4		40 - 130	06/15/26 16:38	06/17/26 06:50	1
d7-N-MeFOSE-M	32.9		10 - 130	06/15/26 16:38	06/17/26 06:50	1
d9-N-EtFOSE-M	29.1		10 - 130	06/15/26 16:38	06/17/26 06:50	1
d5-NEtPFOSA	34.4		10 - 130	06/15/26 16:38	06/17/26 06:50	1
d3-NMePFOSA	36.1		10 - 130	06/15/26 16:38	06/17/26 06:50	1
13C2 PFDoA	25.9		10 - 130	06/15/26 16:38	06/17/26 06:50	1
13C3-3:3 FTCA	85.6		20 - 150	06/15/26 16:38	06/17/26 06:50	1
13C3-5:3 FTCA	84.0		20 - 150	06/15/26 16:38	06/17/26 06:50	1
13C3-PFDoS	21.9		20 - 150	06/15/26 16:38	06/17/26 06:50	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND	cn	0.0021	0.00057	mg/L		06/09/26 15:20	06/10/26 17:22	1
Manganese	7.4	cn	0.021	0.013	mg/L		06/09/26 15:20	06/10/26 17:47	10
Nickel	0.0099	cn	0.0010	0.00041	mg/L		06/09/26 15:20	06/10/26 17:22	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-21

Lab Sample ID: 410-286769-6

Date Collected: 06/04/26 10:30

Matrix: Water

Date Received: 06/04/26 16:42

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND	cn	1.0	0.50	ug/L			06/18/26 04:12	1
trans-1,3-Dichloropropene	ND	cn	1.0	0.20	ug/L			06/18/26 04:12	1
Ethylbenzene	ND	cn	1.0	0.40	ug/L			06/18/26 04:12	1
Styrene	ND	cn	5.0	0.30	ug/L			06/18/26 04:12	1
1,4-Dichlorobenzene	ND	cn	5.0	0.30	ug/L			06/18/26 04:12	1
1,2-Dibromoethane	ND	cn	1.0	0.20	ug/L			06/18/26 04:12	1
1,2-Dichloroethane	ND	cn	1.0	0.30	ug/L			06/18/26 04:12	1
4-Methyl-2-pentanone	ND	cn	10	0.50	ug/L			06/18/26 04:12	1
Methylcyclohexane	ND	cn	5.0	0.50	ug/L			06/18/26 04:12	1
Toluene	ND	cn	1.0	0.30	ug/L			06/18/26 04:12	1
Chlorobenzene	ND	cn	1.0	0.30	ug/L			06/18/26 04:12	1
Cyclohexane	ND	cn	5.0	1.0	ug/L			06/18/26 04:12	1
1,2,4-Trichlorobenzene	ND	cn	5.0	0.30	ug/L			06/18/26 04:12	1
Dibromochloromethane	ND	cn	1.0	0.20	ug/L			06/18/26 04:12	1
Xylenes, Total	ND	cn	1.0	0.40	ug/L			06/18/26 04:12	1
Tetrachloroethene	ND	cn	1.0	0.30	ug/L			06/18/26 04:12	1
cis-1,2-Dichloroethene	0.55	J cn	1.0	0.30	ug/L			06/18/26 04:12	1
trans-1,2-Dichloroethene	ND	cn	2.0	0.70	ug/L			06/18/26 04:12	1
Methyl tertiary butyl ether	ND	cn	1.0	0.20	ug/L			06/18/26 04:12	1
1,3-Dichlorobenzene	ND	cn	5.0	0.68	ug/L			06/18/26 04:12	1
Carbon tetrachloride	ND	cn	1.0	0.30	ug/L			06/18/26 04:12	1
2-Hexanone	ND	cn	10	0.85	ug/L			06/18/26 04:12	1
Acetone	ND	cn	20	0.70	ug/L			06/18/26 04:12	1
Chloroform	ND	cn	1.0	0.30	ug/L			06/18/26 04:12	1
Benzene	ND	cn	1.0	0.30	ug/L			06/18/26 04:12	1
1,1,1-Trichloroethane	52	cn	1.0	0.30	ug/L			06/18/26 04:12	1
Bromomethane	ND	cn	1.0	0.30	ug/L			06/18/26 04:12	1
Chloromethane	ND	cn	2.0	0.55	ug/L			06/18/26 04:12	1
Chloroethane	ND	cn	1.0	0.30	ug/L			06/18/26 04:12	1
Vinyl chloride	ND	cn	1.0	0.30	ug/L			06/18/26 04:12	1
Methylene Chloride	ND	cn	1.0	0.30	ug/L			06/18/26 04:12	1
Carbon disulfide	ND	cn	5.0	0.30	ug/L			06/18/26 04:12	1
Bromoform	ND	cn	4.0	1.0	ug/L			06/18/26 04:12	1
Bromodichloromethane	ND	cn	1.0	0.20	ug/L			06/18/26 04:12	1
1,1-Dichloroethane	5.0	cn	1.0	0.30	ug/L			06/18/26 04:12	1
1,1-Dichloroethene	2.1	cn	1.0	0.30	ug/L			06/18/26 04:12	1
Trichlorofluoromethane	ND	cn	1.0	0.30	ug/L			06/18/26 04:12	1
Dichlorodifluoromethane	ND	cn	1.0	0.30	ug/L			06/18/26 04:12	1
Freon 113	1.3	J cn	10	0.30	ug/L			06/18/26 04:12	1
1,2-Dichloropropane	ND	cn	1.0	0.30	ug/L			06/18/26 04:12	1
2-Butanone	ND	cn	10	1.0	ug/L			06/18/26 04:12	1
1,1,2-Trichloroethane	ND	cn	1.0	0.30	ug/L			06/18/26 04:12	1
Trichloroethene	23	cn	1.0	0.30	ug/L			06/18/26 04:12	1
Methyl acetate	ND	cn	5.0	0.60	ug/L			06/18/26 04:12	1
1,1,2,2-Tetrachloroethane	ND	cn	1.0	0.30	ug/L			06/18/26 04:12	1
1,2-Dichlorobenzene	ND	cn	5.0	0.20	ug/L			06/18/26 04:12	1
1,2-Dibromo-3-Chloropropane	ND	cn	5.0	0.30	ug/L			06/18/26 04:12	1
Isopropylbenzene	ND	cn	5.0	0.30	ug/L			06/18/26 04:12	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-21

Lab Sample ID: 410-286769-6

Date Collected: 06/04/26 10:30

Matrix: Water

Date Received: 06/04/26 16:42

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99	cn	80 - 120		06/18/26 04:12	1
Dibromofluoromethane (Surr)	94	cn	80 - 120		06/18/26 04:12	1
4-Bromofluorobenzene (Surr)	98	cn	80 - 120		06/18/26 04:12	1
Toluene-d8 (Surr)	96	cn	80 - 120		06/18/26 04:12	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/05/26 20:43	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	23	FH	2.0	1.0	mg/L			06/18/26 11:03	10

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.5		3.5	0.97	ng/L		06/15/26 16:38	06/17/26 07:03	1
Perfluoropentanoic acid (PFPeA)	17		1.8	0.53	ng/L		06/15/26 16:38	06/17/26 07:03	1
Perfluorohexanoic acid (PFHxA)	11		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 07:03	1
Perfluoroheptanoic acid (PFHpA)	2.6		1.8	0.70	ng/L		06/15/26 16:38	06/17/26 07:03	1
Perfluorooctanoic acid (PFOA)	2.5		1.8	0.79	ng/L		06/15/26 16:38	06/17/26 07:03	1
Perfluorononanoic acid (PFNA)	1.1	J	1.8	0.44	ng/L		06/15/26 16:38	06/17/26 07:03	1
Perfluorodecanoic acid (PFDA)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 07:03	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 07:03	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 07:03	1
Perfluorotridecanoic acid (PFTriDA)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 07:03	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 07:03	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 07:03	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 07:03	1
Perfluorohexanesulfonic acid (PFHxS)	0.72	J	1.8	0.70	ng/L		06/15/26 16:38	06/17/26 07:03	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 07:03	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8	1.1	ng/L		06/15/26 16:38	06/17/26 07:03	1
Perfluorononanesulfonic acid (PFNS)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 07:03	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 07:03	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.53	ng/L		06/15/26 16:38	06/17/26 07:03	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.5	0.88	ng/L		06/15/26 16:38	06/17/26 07:03	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	2.0	J	3.5	0.88	ng/L		06/15/26 16:38	06/17/26 07:03	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.5	0.88	ng/L		06/15/26 16:38	06/17/26 07:03	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 07:03	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 07:03	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.8	0.97	ng/L		06/15/26 16:38	06/17/26 07:03	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 07:03	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 07:03	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-21

Lab Sample ID: 410-286769-6

Date Collected: 06/04/26 10:30

Matrix: Water

Date Received: 06/04/26 16:42

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.8	3.5	ng/L		06/15/26 16:38	06/17/26 07:03	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.8	3.5	ng/L		06/15/26 16:38	06/17/26 07:03	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.8	1.2	ng/L		06/15/26 16:38	06/17/26 07:03	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 07:03	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 07:03	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 07:03	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 07:03	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 07:03	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 07:03	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 07:03	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.5	0.88	ng/L		06/15/26 16:38	06/17/26 07:03	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		8.8	2.5	ng/L		06/15/26 16:38	06/17/26 07:03	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.8	2.2	ng/L		06/15/26 16:38	06/17/26 07:03	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	98.0		5 - 130	06/15/26 16:38	06/17/26 07:03	1
13C5 PFPeA	92.3		40 - 130	06/15/26 16:38	06/17/26 07:03	1
13C5 PFHxA	92.0		40 - 130	06/15/26 16:38	06/17/26 07:03	1
13C4 PFHpA	90.6		40 - 130	06/15/26 16:38	06/17/26 07:03	1
13C8 PFOA	77.9		40 - 130	06/15/26 16:38	06/17/26 07:03	1
13C9 PFNA	75.9		40 - 130	06/15/26 16:38	06/17/26 07:03	1
13C6 PFDA	68.9		40 - 130	06/15/26 16:38	06/17/26 07:03	1
13C7 PFUnA	67.7		30 - 130	06/15/26 16:38	06/17/26 07:03	1
13C2 PFTeDA	60.1		10 - 130	06/15/26 16:38	06/17/26 07:03	1
13C3 PFBS	91.9		40 - 135	06/15/26 16:38	06/17/26 07:03	1
13C3 PFHxS	82.6		40 - 130	06/15/26 16:38	06/17/26 07:03	1
13C8 PFOS	74.8		40 - 130	06/15/26 16:38	06/17/26 07:03	1
13C8 FOSA	67.3		40 - 130	06/15/26 16:38	06/17/26 07:03	1
d3-NMeFOSAA	55.9		40 - 170	06/15/26 16:38	06/17/26 07:03	1
d5-NEtFOSAA	52.3		25 - 135	06/15/26 16:38	06/17/26 07:03	1
13C2 4:2 FTS	107		40 - 200	06/15/26 16:38	06/17/26 07:03	1
13C2 6:2 FTS	89.0		40 - 200	06/15/26 16:38	06/17/26 07:03	1
13C2 8:2 FTS	121		40 - 300	06/15/26 16:38	06/17/26 07:03	1
13C3 HFPO-DA	104		40 - 130	06/15/26 16:38	06/17/26 07:03	1
d7-N-MeFOSE-M	42.7		10 - 130	06/15/26 16:38	06/17/26 07:03	1
d9-N-EtFOSE-M	42.5		10 - 130	06/15/26 16:38	06/17/26 07:03	1
d5-NEtPFOSA	56.3		10 - 130	06/15/26 16:38	06/17/26 07:03	1
d3-NMePFOSA	59.0		10 - 130	06/15/26 16:38	06/17/26 07:03	1
13C2 PFDaA	65.3		10 - 130	06/15/26 16:38	06/17/26 07:03	1
13C3-3:3 FTCA	100		20 - 150	06/15/26 16:38	06/17/26 07:03	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-21

Lab Sample ID: 410-286769-6

Date Collected: 06/04/26 10:30

Matrix: Water

Date Received: 06/04/26 16:42

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-5:3 FTCA	88.5		20 - 150	06/15/26 16:38	06/17/26 07:03	1
13C3-PFDoS	60.5		20 - 150	06/15/26 16:38	06/17/26 07:03	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND	cn	0.0021	0.00057	mg/L		06/09/26 15:20	06/10/26 16:46	1
Manganese	0.11	cn	0.0021	0.0013	mg/L		06/09/26 15:20	06/10/26 16:46	1
Nickel	0.073	cn	0.0010	0.00041	mg/L		06/09/26 15:20	06/10/26 16:46	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-16

Lab Sample ID: 410-286769-7

Date Collected: 06/04/26 11:55

Matrix: Water

Date Received: 06/04/26 16:42

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/17/26 00:49	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/17/26 00:49	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/17/26 00:49	1
Styrene	ND		5.0	0.30	ug/L			06/17/26 00:49	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/17/26 00:49	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/17/26 00:49	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/17/26 00:49	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/17/26 00:49	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/17/26 00:49	1
Toluene	ND		1.0	0.30	ug/L			06/17/26 00:49	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/17/26 00:49	1
Cyclohexane	ND		5.0	1.0	ug/L			06/17/26 00:49	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/17/26 00:49	1
Dibromochloromethane	ND	^c cn	1.0	0.20	ug/L			06/17/26 00:49	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/17/26 00:49	1
Tetrachloroethene	0.40	J	1.0	0.30	ug/L			06/17/26 00:49	1
cis-1,2-Dichloroethene	48		1.0	0.30	ug/L			06/17/26 00:49	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/17/26 00:49	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/17/26 00:49	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/17/26 00:49	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			06/17/26 00:49	1
2-Hexanone	ND		10	0.85	ug/L			06/17/26 00:49	1
Acetone	3.4	J ^c cn	20	0.70	ug/L			06/17/26 00:49	1
Chloroform	ND		1.0	0.30	ug/L			06/17/26 00:49	1
Benzene	ND		1.0	0.30	ug/L			06/17/26 00:49	1
1,1,1-Trichloroethane	110		1.0	0.30	ug/L			06/17/26 00:49	1
Bromomethane	ND		1.0	0.30	ug/L			06/17/26 00:49	1
Chloromethane	ND		2.0	0.55	ug/L			06/17/26 00:49	1
Chloroethane	ND		1.0	0.30	ug/L			06/17/26 00:49	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/17/26 00:49	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/17/26 00:49	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/17/26 00:49	1
Bromoform	ND	^c cn	4.0	1.0	ug/L			06/17/26 00:49	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/17/26 00:49	1
1,1-Dichloroethane	3.4		1.0	0.30	ug/L			06/17/26 00:49	1
1,1-Dichloroethene	5.9		1.0	0.30	ug/L			06/17/26 00:49	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/17/26 00:49	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/17/26 00:49	1
Freon 113	10		10	0.30	ug/L			06/17/26 00:49	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/17/26 00:49	1
2-Butanone	ND		10	1.0	ug/L			06/17/26 00:49	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/17/26 00:49	1
Trichloroethene	54		1.0	0.30	ug/L			06/17/26 00:49	1
Methyl acetate	ND		5.0	0.60	ug/L			06/17/26 00:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/17/26 00:49	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/17/26 00:49	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/17/26 00:49	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/17/26 00:49	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-16

Lab Sample ID: 410-286769-7

Date Collected: 06/04/26 11:55

Matrix: Water

Date Received: 06/04/26 16:42

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		80 - 120		06/17/26 00:49	1
Dibromofluoromethane (Surr)	116		80 - 120		06/17/26 00:49	1
4-Bromofluorobenzene (Surr)	97		80 - 120		06/17/26 00:49	1
Toluene-d8 (Surr)	97		80 - 120		06/17/26 00:49	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/05/26 22:30	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20	0.10	mg/L			06/17/26 16:58	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	18		3.7	1.0	ng/L		06/15/26 16:38	06/17/26 07:44	1
Perfluoropentanoic acid (PFPeA)	39		1.9	0.56	ng/L		06/15/26 16:38	06/17/26 07:44	1
Perfluorohexanoic acid (PFHxA)	27		1.9	0.46	ng/L		06/15/26 16:38	06/17/26 07:44	1
Perfluoroheptanoic acid (PFHpA)	19		1.9	0.74	ng/L		06/15/26 16:38	06/17/26 07:44	1
Perfluorooctanoic acid (PFOA)	23		1.9	0.83	ng/L		06/15/26 16:38	06/17/26 07:44	1
Perfluorononanoic acid (PFNA)	8.7		1.9	0.46	ng/L		06/15/26 16:38	06/17/26 07:44	1
Perfluorodecanoic acid (PFDA)	ND		1.9	0.46	ng/L		06/15/26 16:38	06/17/26 07:44	1
Perfluoroundecanoic acid (PFUnA)	ND		1.9	0.46	ng/L		06/15/26 16:38	06/17/26 07:44	1
Perfluorododecanoic acid (PFDoA)	ND		1.9	0.46	ng/L		06/15/26 16:38	06/17/26 07:44	1
Perfluorotridecanoic acid (PFTriDA)	ND		1.9	0.46	ng/L		06/15/26 16:38	06/17/26 07:44	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.9	0.46	ng/L		06/15/26 16:38	06/17/26 07:44	1
Perfluorobutanesulfonic acid (PFBS)	4.0		1.9	0.46	ng/L		06/15/26 16:38	06/17/26 07:44	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.9	0.46	ng/L		06/15/26 16:38	06/17/26 07:44	1
Perfluorohexanesulfonic acid (PFHxS)	0.87 J		1.9	0.74	ng/L		06/15/26 16:38	06/17/26 07:44	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.9	0.46	ng/L		06/15/26 16:38	06/17/26 07:44	1
Perfluorooctanesulfonic acid (PFOS)	3.0		1.9	1.2	ng/L		06/15/26 16:38	06/17/26 07:44	1
Perfluorononanesulfonic acid (PFNS)	ND		1.9	0.46	ng/L		06/15/26 16:38	06/17/26 07:44	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.9	0.46	ng/L		06/15/26 16:38	06/17/26 07:44	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.9	0.56	ng/L		06/15/26 16:38	06/17/26 07:44	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.7	0.93	ng/L		06/15/26 16:38	06/17/26 07:44	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	1.1 J		3.7	0.93	ng/L		06/15/26 16:38	06/17/26 07:44	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.7	0.93	ng/L		06/15/26 16:38	06/17/26 07:44	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.9	0.46	ng/L		06/15/26 16:38	06/17/26 07:44	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.9	0.46	ng/L		06/15/26 16:38	06/17/26 07:44	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.9	1.0	ng/L		06/15/26 16:38	06/17/26 07:44	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.9	0.46	ng/L		06/15/26 16:38	06/17/26 07:44	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-16

Lab Sample ID: 410-286769-7

Date Collected: 06/04/26 11:55

Matrix: Water

Date Received: 06/04/26 16:42

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.9	0.46	ng/L		06/15/26 16:38	06/17/26 07:44	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		9.3	3.7	ng/L		06/15/26 16:38	06/17/26 07:44	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		9.3	3.7	ng/L		06/15/26 16:38	06/17/26 07:44	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.9	1.3	ng/L		06/15/26 16:38	06/17/26 07:44	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.9	0.46	ng/L		06/15/26 16:38	06/17/26 07:44	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.9	0.46	ng/L		06/15/26 16:38	06/17/26 07:44	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.9	0.46	ng/L		06/15/26 16:38	06/17/26 07:44	1
Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	ND		1.9	0.46	ng/L		06/15/26 16:38	06/17/26 07:44	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.9	0.46	ng/L		06/15/26 16:38	06/17/26 07:44	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.9	0.46	ng/L		06/15/26 16:38	06/17/26 07:44	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.9	0.46	ng/L		06/15/26 16:38	06/17/26 07:44	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.7	0.93	ng/L		06/15/26 16:38	06/17/26 07:44	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		9.3	2.6	ng/L		06/15/26 16:38	06/17/26 07:44	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		9.3	2.3	ng/L		06/15/26 16:38	06/17/26 07:44	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	91.3		5 - 130	06/15/26 16:38	06/17/26 07:44	1
13C5 PFPeA	83.3		40 - 130	06/15/26 16:38	06/17/26 07:44	1
13C5 PFHxA	81.0		40 - 130	06/15/26 16:38	06/17/26 07:44	1
13C4 PFHpA	85.6		40 - 130	06/15/26 16:38	06/17/26 07:44	1
13C8 PFOA	92.4		40 - 130	06/15/26 16:38	06/17/26 07:44	1
13C9 PFNA	83.5		40 - 130	06/15/26 16:38	06/17/26 07:44	1
13C6 PFDA	74.9		40 - 130	06/15/26 16:38	06/17/26 07:44	1
13C7 PFUnA	72.5		30 - 130	06/15/26 16:38	06/17/26 07:44	1
13C2 PFTeDA	54.5		10 - 130	06/15/26 16:38	06/17/26 07:44	1
13C3 PFBS	87.0		40 - 135	06/15/26 16:38	06/17/26 07:44	1
13C3 PFHxS	87.7		40 - 130	06/15/26 16:38	06/17/26 07:44	1
13C8 PFOS	80.7		40 - 130	06/15/26 16:38	06/17/26 07:44	1
13C8 FOSA	68.7		40 - 130	06/15/26 16:38	06/17/26 07:44	1
d3-NMeFOSAA	59.1		40 - 170	06/15/26 16:38	06/17/26 07:44	1
d5-NEtFOSAA	54.9		25 - 135	06/15/26 16:38	06/17/26 07:44	1
13C2 4:2 FTS	138		40 - 200	06/15/26 16:38	06/17/26 07:44	1
13C2 6:2 FTS	155		40 - 200	06/15/26 16:38	06/17/26 07:44	1
13C2 8:2 FTS	138		40 - 300	06/15/26 16:38	06/17/26 07:44	1
13C3 HFPO-DA	79.8		40 - 130	06/15/26 16:38	06/17/26 07:44	1
d7-N-MeFOSE-M	44.8		10 - 130	06/15/26 16:38	06/17/26 07:44	1
d9-N-EtFOSE-M	43.7		10 - 130	06/15/26 16:38	06/17/26 07:44	1
d5-NEtPFOSA	49.6		10 - 130	06/15/26 16:38	06/17/26 07:44	1
d3-NMePFOSA	52.2		10 - 130	06/15/26 16:38	06/17/26 07:44	1
13C2 PFDoA	59.7		10 - 130	06/15/26 16:38	06/17/26 07:44	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-16

Lab Sample ID: 410-286769-7

Date Collected: 06/04/26 11:55

Matrix: Water

Date Received: 06/04/26 16:42

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C3-3:3 FTCA	87.7		20 - 150	06/15/26 16:38	06/17/26 07:44	1
13C3-5:3 FTCA	86.0		20 - 150	06/15/26 16:38	06/17/26 07:44	1
13C3-PFDoS	57.0		20 - 150	06/15/26 16:38	06/17/26 07:44	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Chromium	ND	cn	0.0021	0.00057	mg/L		06/09/26 15:20	06/10/26 17:35	1
Manganese	ND	cn	0.0021	0.0013	mg/L		06/09/26 15:20	06/10/26 17:35	1
Nickel	ND	cn	0.0010	0.00041	mg/L		06/09/26 15:20	06/10/26 17:35	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-1

Lab Sample ID: 410-286769-8

Date Collected: 06/04/26 11:15

Matrix: Water

Date Received: 06/04/26 16:42

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/17/26 01:09	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/17/26 01:09	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/17/26 01:09	1
Styrene	ND		5.0	0.30	ug/L			06/17/26 01:09	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/17/26 01:09	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/17/26 01:09	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/17/26 01:09	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/17/26 01:09	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/17/26 01:09	1
Toluene	ND		1.0	0.30	ug/L			06/17/26 01:09	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/17/26 01:09	1
Cyclohexane	ND		5.0	1.0	ug/L			06/17/26 01:09	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/17/26 01:09	1
Dibromochloromethane	ND	^c cn	1.0	0.20	ug/L			06/17/26 01:09	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/17/26 01:09	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/17/26 01:09	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/17/26 01:09	1
trans-1,2-Dichloroethene	ND	FH	2.0	0.70	ug/L			06/17/26 01:09	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/17/26 01:09	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/17/26 01:09	1
Carbon tetrachloride	ND	^c FH cn	1.0	0.30	ug/L			06/17/26 01:09	1
2-Hexanone	ND		10	0.85	ug/L			06/17/26 01:09	1
Acetone	ND	^c cn	20	0.70	ug/L			06/17/26 01:09	1
Chloroform	ND		1.0	0.30	ug/L			06/17/26 01:09	1
Benzene	ND		1.0	0.30	ug/L			06/17/26 01:09	1
1,1,1-Trichloroethane	ND	FH	1.0	0.30	ug/L			06/17/26 01:09	1
Bromomethane	ND		1.0	0.30	ug/L			06/17/26 01:09	1
Chloromethane	ND		2.0	0.55	ug/L			06/17/26 01:09	1
Chloroethane	ND		1.0	0.30	ug/L			06/17/26 01:09	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/17/26 01:09	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/17/26 01:09	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/17/26 01:09	1
Bromoform	ND	^c cn	4.0	1.0	ug/L			06/17/26 01:09	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/17/26 01:09	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/17/26 01:09	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/17/26 01:09	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/17/26 01:09	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/17/26 01:09	1
Freon 113	ND	FH	10	0.30	ug/L			06/17/26 01:09	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/17/26 01:09	1
2-Butanone	ND		10	1.0	ug/L			06/17/26 01:09	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/17/26 01:09	1
Trichloroethene	ND		1.0	0.30	ug/L			06/17/26 01:09	1
Methyl acetate	ND		5.0	0.60	ug/L			06/17/26 01:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/17/26 01:09	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/17/26 01:09	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/17/26 01:09	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/17/26 01:09	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-1

Lab Sample ID: 410-286769-8

Date Collected: 06/04/26 11:15

Matrix: Water

Date Received: 06/04/26 16:42

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		80 - 120		06/17/26 01:09	1
Dibromofluoromethane (Surr)	119		80 - 120		06/17/26 01:09	1
4-Bromofluorobenzene (Surr)	96		80 - 120		06/17/26 01:09	1
Toluene-d8 (Surr)	98		80 - 120		06/17/26 01:09	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/05/26 22:22	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20	0.10	mg/L			06/17/26 17:10	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	3.6		3.4	0.93	ng/L		06/15/26 16:38	06/17/26 07:58	1
Perfluoropentanoic acid (PFPeA)	4.2		1.7	0.51	ng/L		06/15/26 16:38	06/17/26 07:58	1
Perfluorohexanoic acid (PFHxA)	3.7		1.7	0.42	ng/L		06/15/26 16:38	06/17/26 07:58	1
Perfluoroheptanoic acid (PFHpA)	2.2		1.7	0.68	ng/L		06/15/26 16:38	06/17/26 07:58	1
Perfluorooctanoic acid (PFOA)	6.2		1.7	0.76	ng/L		06/15/26 16:38	06/17/26 07:58	1
Perfluorononanoic acid (PFNA)	1.2 J		1.7	0.42	ng/L		06/15/26 16:38	06/17/26 07:58	1
Perfluorodecanoic acid (PFDA)	ND		1.7	0.42	ng/L		06/15/26 16:38	06/17/26 07:58	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.42	ng/L		06/15/26 16:38	06/17/26 07:58	1
Perfluorododecanoic acid (PFDoA)	ND		1.7	0.42	ng/L		06/15/26 16:38	06/17/26 07:58	1
Perfluorotridecanoic acid (PFTriDA)	ND		1.7	0.42	ng/L		06/15/26 16:38	06/17/26 07:58	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.7	0.42	ng/L		06/15/26 16:38	06/17/26 07:58	1
Perfluorobutanesulfonic acid (PFBS)	1.2 J		1.7	0.42	ng/L		06/15/26 16:38	06/17/26 07:58	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.7	0.42	ng/L		06/15/26 16:38	06/17/26 07:58	1
Perfluorohexanesulfonic acid (PFHxS)	1.8		1.7	0.68	ng/L		06/15/26 16:38	06/17/26 07:58	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.7	0.42	ng/L		06/15/26 16:38	06/17/26 07:58	1
Perfluorooctanesulfonic acid (PFOS)	2.1 I cn		1.7	1.1	ng/L		06/15/26 16:38	06/17/26 07:58	1
Perfluorononanesulfonic acid (PFNS)	ND		1.7	0.42	ng/L		06/15/26 16:38	06/17/26 07:58	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.42	ng/L		06/15/26 16:38	06/17/26 07:58	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.7	0.51	ng/L		06/15/26 16:38	06/17/26 07:58	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.4	0.85	ng/L		06/15/26 16:38	06/17/26 07:58	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		3.4	0.85	ng/L		06/15/26 16:38	06/17/26 07:58	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.4	0.85	ng/L		06/15/26 16:38	06/17/26 07:58	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.7	0.42	ng/L		06/15/26 16:38	06/17/26 07:58	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.7	0.42	ng/L		06/15/26 16:38	06/17/26 07:58	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.7	0.93	ng/L		06/15/26 16:38	06/17/26 07:58	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.7	0.42	ng/L		06/15/26 16:38	06/17/26 07:58	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-1

Lab Sample ID: 410-286769-8

Date Collected: 06/04/26 11:15

Matrix: Water

Date Received: 06/04/26 16:42

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.7	0.42	ng/L		06/15/26 16:38	06/17/26 07:58	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.5	3.4	ng/L		06/15/26 16:38	06/17/26 07:58	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.5	3.4	ng/L		06/15/26 16:38	06/17/26 07:58	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.7	1.2	ng/L		06/15/26 16:38	06/17/26 07:58	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.7	0.42	ng/L		06/15/26 16:38	06/17/26 07:58	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.7	0.42	ng/L		06/15/26 16:38	06/17/26 07:58	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.7	0.42	ng/L		06/15/26 16:38	06/17/26 07:58	1
Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	ND		1.7	0.42	ng/L		06/15/26 16:38	06/17/26 07:58	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.7	0.42	ng/L		06/15/26 16:38	06/17/26 07:58	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.7	0.42	ng/L		06/15/26 16:38	06/17/26 07:58	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.7	0.42	ng/L		06/15/26 16:38	06/17/26 07:58	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.4	0.85	ng/L		06/15/26 16:38	06/17/26 07:58	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		8.5	2.4	ng/L		06/15/26 16:38	06/17/26 07:58	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.5	2.1	ng/L		06/15/26 16:38	06/17/26 07:58	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	91.9		5 - 130	06/15/26 16:38	06/17/26 07:58	1
13C5 PFPeA	86.6		40 - 130	06/15/26 16:38	06/17/26 07:58	1
13C5 PFHxA	89.9		40 - 130	06/15/26 16:38	06/17/26 07:58	1
13C4 PFHpA	89.8		40 - 130	06/15/26 16:38	06/17/26 07:58	1
13C8 PFOA	87.4		40 - 130	06/15/26 16:38	06/17/26 07:58	1
13C9 PFNA	79.2		40 - 130	06/15/26 16:38	06/17/26 07:58	1
13C6 PFDA	70.7		40 - 130	06/15/26 16:38	06/17/26 07:58	1
13C7 PFUnA	56.1		30 - 130	06/15/26 16:38	06/17/26 07:58	1
13C2 PFTeDA	39.8		10 - 130	06/15/26 16:38	06/17/26 07:58	1
13C3 PFBS	85.8		40 - 135	06/15/26 16:38	06/17/26 07:58	1
13C3 PFHxS	83.0		40 - 130	06/15/26 16:38	06/17/26 07:58	1
13C8 PFOS	79.1		40 - 130	06/15/26 16:38	06/17/26 07:58	1
13C8 FOSA	64.0		40 - 130	06/15/26 16:38	06/17/26 07:58	1
d3-NMeFOSAA	50.8		40 - 170	06/15/26 16:38	06/17/26 07:58	1
d5-NEtFOSAA	40.8		25 - 135	06/15/26 16:38	06/17/26 07:58	1
13C2 4:2 FTS	93.9		40 - 200	06/15/26 16:38	06/17/26 07:58	1
13C2 6:2 FTS	105		40 - 200	06/15/26 16:38	06/17/26 07:58	1
13C2 8:2 FTS	117		40 - 300	06/15/26 16:38	06/17/26 07:58	1
13C3 HFPO-DA	96.3		40 - 130	06/15/26 16:38	06/17/26 07:58	1
d7-N-MeFOSE-M	33.6		10 - 130	06/15/26 16:38	06/17/26 07:58	1
d9-N-EtFOSE-M	30.5		10 - 130	06/15/26 16:38	06/17/26 07:58	1
d5-NEtPFOSA	32.7		10 - 130	06/15/26 16:38	06/17/26 07:58	1
d3-NMePFOSA	35.8		10 - 130	06/15/26 16:38	06/17/26 07:58	1
13C2 PFDoA	37.3		10 - 130	06/15/26 16:38	06/17/26 07:58	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-1

Lab Sample ID: 410-286769-8

Date Collected: 06/04/26 11:15

Matrix: Water

Date Received: 06/04/26 16:42

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-3:3 FTCA	97.9		20 - 150	06/15/26 16:38	06/17/26 07:58	1
13C3-5:3 FTCA	81.1		20 - 150	06/15/26 16:38	06/17/26 07:58	1
13C3-PFDoS	39.9		20 - 150	06/15/26 16:38	06/17/26 07:58	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND	cn	0.0021	0.00057	mg/L		06/09/26 15:20	06/10/26 17:37	1
Manganese	ND	cn	0.0021	0.0013	mg/L		06/09/26 15:20	06/10/26 17:37	1
Nickel	0.0014	cn	0.0010	0.00041	mg/L		06/09/26 15:20	06/10/26 17:37	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-36

Lab Sample ID: 410-286769-9

Date Collected: 06/04/26 12:10

Matrix: Water

Date Received: 06/04/26 16:42

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/17/26 02:11	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/17/26 02:11	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/17/26 02:11	1
Styrene	ND		5.0	0.30	ug/L			06/17/26 02:11	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/17/26 02:11	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/17/26 02:11	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/17/26 02:11	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/17/26 02:11	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/17/26 02:11	1
Toluene	ND		1.0	0.30	ug/L			06/17/26 02:11	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/17/26 02:11	1
Cyclohexane	ND		5.0	1.0	ug/L			06/17/26 02:11	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/17/26 02:11	1
Dibromochloromethane	ND	^c cn	1.0	0.20	ug/L			06/17/26 02:11	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/17/26 02:11	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/17/26 02:11	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/17/26 02:11	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/17/26 02:11	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/17/26 02:11	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/17/26 02:11	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			06/17/26 02:11	1
2-Hexanone	ND		10	0.85	ug/L			06/17/26 02:11	1
Acetone	8.4	J ^c cn	20	0.70	ug/L			06/17/26 02:11	1
Chloroform	ND		1.0	0.30	ug/L			06/17/26 02:11	1
Benzene	ND		1.0	0.30	ug/L			06/17/26 02:11	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/17/26 02:11	1
Bromomethane	ND		1.0	0.30	ug/L			06/17/26 02:11	1
Chloromethane	ND		2.0	0.55	ug/L			06/17/26 02:11	1
Chloroethane	ND		1.0	0.30	ug/L			06/17/26 02:11	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/17/26 02:11	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/17/26 02:11	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/17/26 02:11	1
Bromoform	ND	^c cn	4.0	1.0	ug/L			06/17/26 02:11	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/17/26 02:11	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/17/26 02:11	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/17/26 02:11	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/17/26 02:11	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/17/26 02:11	1
Freon 113	ND		10	0.30	ug/L			06/17/26 02:11	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/17/26 02:11	1
2-Butanone	ND		10	1.0	ug/L			06/17/26 02:11	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/17/26 02:11	1
Trichloroethene	ND		1.0	0.30	ug/L			06/17/26 02:11	1
Methyl acetate	ND		5.0	0.60	ug/L			06/17/26 02:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/17/26 02:11	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/17/26 02:11	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/17/26 02:11	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/17/26 02:11	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-36

Lab Sample ID: 410-286769-9

Date Collected: 06/04/26 12:10

Matrix: Water

Date Received: 06/04/26 16:42

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		80 - 120		06/17/26 02:11	1
Dibromofluoromethane (Surr)	113		80 - 120		06/17/26 02:11	1
4-Bromofluorobenzene (Surr)	100		80 - 120		06/17/26 02:11	1
Toluene-d8 (Surr)	98		80 - 120		06/17/26 02:11	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/05/26 22:45	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.13	J	0.20	0.10	mg/L			06/17/26 17:48	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.3	cn	4.0	1.1	ng/L		06/15/26 16:38	06/17/26 09:06	1
Perfluoropentanoic acid (PFPeA)	5.2	cn	2.0	0.60	ng/L		06/15/26 16:38	06/17/26 09:06	1
Perfluorohexanoic acid (PFHxA)	4.0	cn	2.0	0.50	ng/L		06/15/26 16:38	06/17/26 09:06	1
Perfluoroheptanoic acid (PFHpA)	2.0	cn	2.0	0.79	ng/L		06/15/26 16:38	06/17/26 09:06	1
Perfluorooctanoic acid (PFOA)	4.7	I cn	2.0	0.89	ng/L		06/15/26 16:38	06/17/26 09:06	1
Perfluorononanoic acid (PFNA)	ND	I cn	2.0	0.50	ng/L		06/15/26 16:38	06/17/26 09:06	1
Perfluorodecanoic acid (PFDA)	2.7	cn	2.0	0.50	ng/L		06/15/26 16:38	06/17/26 09:06	1
Perfluoroundecanoic acid (PFUnA)	6.8	cn	2.0	0.50	ng/L		06/15/26 16:38	06/17/26 09:06	1
Perfluorododecanoic acid (PFDoA)	7.0	cn	2.0	0.50	ng/L		06/15/26 16:38	06/17/26 09:06	1
Perfluorotridecanoic acid (PFTTrDA)	3.1	cn	2.0	0.50	ng/L		06/15/26 16:38	06/17/26 09:06	1
Perfluorotetradecanoic acid (PFTeDA)	ND	cn	2.0	0.50	ng/L		06/15/26 16:38	06/17/26 09:06	1
Perfluorobutanesulfonic acid (PFBS)	1.4	J cn	2.0	0.50	ng/L		06/15/26 16:38	06/17/26 09:06	1
Perfluoropentanesulfonic acid (PFPeS)	ND	cn	2.0	0.50	ng/L		06/15/26 16:38	06/17/26 09:06	1
Perfluorohexanesulfonic acid (PFHxS)	ND	cn	2.0	0.79	ng/L		06/15/26 16:38	06/17/26 09:06	1
Perfluoroheptanesulfonic acid (PFHpS)	ND	cn	2.0	0.50	ng/L		06/15/26 16:38	06/17/26 09:06	1
Perfluorooctanesulfonic acid (PFOS)	12	cn	2.0	1.3	ng/L		06/15/26 16:38	06/17/26 09:06	1
Perfluorononanesulfonic acid (PFNS)	ND	cn	2.0	0.50	ng/L		06/15/26 16:38	06/17/26 09:06	1
Perfluorodecanesulfonic acid (PFDS)	ND	cn	2.0	0.50	ng/L		06/15/26 16:38	06/17/26 09:06	1
Perfluorododecanesulfonic acid (PFDoS)	ND	cn	2.0	0.60	ng/L		06/15/26 16:38	06/17/26 09:06	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND	cn	4.0	0.99	ng/L		06/15/26 16:38	06/17/26 09:06	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND	cn	4.0	0.99	ng/L		06/15/26 16:38	06/17/26 09:06	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND	cn	4.0	0.99	ng/L		06/15/26 16:38	06/17/26 09:06	1
Perfluorooctanesulfonamide (PFOSA)	ND	cn	2.0	0.50	ng/L		06/15/26 16:38	06/17/26 09:06	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND	cn	2.0	0.50	ng/L		06/15/26 16:38	06/17/26 09:06	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND	cn	2.0	1.1	ng/L		06/15/26 16:38	06/17/26 09:06	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-36

Lab Sample ID: 410-286769-9

Date Collected: 06/04/26 12:10

Matrix: Water

Date Received: 06/04/26 16:42

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND	cn	2.0	0.50	ng/L		06/15/26 16:38	06/17/26 09:06	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND	cn	2.0	0.50	ng/L		06/15/26 16:38	06/17/26 09:06	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND	cn	9.9	4.0	ng/L		06/15/26 16:38	06/17/26 09:06	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND	cn	9.9	4.0	ng/L		06/15/26 16:38	06/17/26 09:06	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	cn	2.0	1.4	ng/L		06/15/26 16:38	06/17/26 09:06	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	cn	2.0	0.50	ng/L		06/15/26 16:38	06/17/26 09:06	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	cn	2.0	0.50	ng/L		06/15/26 16:38	06/17/26 09:06	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	cn	2.0	0.50	ng/L		06/15/26 16:38	06/17/26 09:06	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	cn	2.0	0.50	ng/L		06/15/26 16:38	06/17/26 09:06	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND	cn	2.0	0.50	ng/L		06/15/26 16:38	06/17/26 09:06	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND	cn	2.0	0.50	ng/L		06/15/26 16:38	06/17/26 09:06	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND	cn	2.0	0.50	ng/L		06/15/26 16:38	06/17/26 09:06	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND	cn	4.0	0.99	ng/L		06/15/26 16:38	06/17/26 09:06	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND	cn	9.9	2.8	ng/L		06/15/26 16:38	06/17/26 09:06	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND	cn	9.9	2.5	ng/L		06/15/26 16:38	06/17/26 09:06	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	88.8	cn	5 - 130	06/15/26 16:38	06/17/26 09:06	1
13C5 PFPeA	70.4	cn	40 - 130	06/15/26 16:38	06/17/26 09:06	1
13C5 PFHxA	68.6	cn	40 - 130	06/15/26 16:38	06/17/26 09:06	1
13C4 PFHpA	67.0	cn	40 - 130	06/15/26 16:38	06/17/26 09:06	1
13C8 PFOA	80.6	cn	40 - 130	06/15/26 16:38	06/17/26 09:06	1
13C9 PFNA	69.6	cn	40 - 130	06/15/26 16:38	06/17/26 09:06	1
13C6 PFDA	55.8	cn	40 - 130	06/15/26 16:38	06/17/26 09:06	1
13C7 PFUnA	35.3	cn	30 - 130	06/15/26 16:38	06/17/26 09:06	1
13C2 PFTeDA	8.32	*5- cn	10 - 130	06/15/26 16:38	06/17/26 09:06	1
13C3 PFBS	80.9	cn	40 - 135	06/15/26 16:38	06/17/26 09:06	1
13C3 PFHxS	77.7	cn	40 - 130	06/15/26 16:38	06/17/26 09:06	1
13C8 PFOS	48.7	cn	40 - 130	06/15/26 16:38	06/17/26 09:06	1
13C8 FOSA	34.4	*5- cn	40 - 130	06/15/26 16:38	06/17/26 09:06	1
d3-NMeFOSAA	41.9	cn	40 - 170	06/15/26 16:38	06/17/26 09:06	1
d5-NEtFOSAA	35.4	cn	25 - 135	06/15/26 16:38	06/17/26 09:06	1
13C2 4:2 FTS	189	cn	40 - 200	06/15/26 16:38	06/17/26 09:06	1
13C2 6:2 FTS	185	cn	40 - 200	06/15/26 16:38	06/17/26 09:06	1
13C2 8:2 FTS	116	cn	40 - 300	06/15/26 16:38	06/17/26 09:06	1
13C3 HFPO-DA	74.5	cn	40 - 130	06/15/26 16:38	06/17/26 09:06	1
d7-N-MeFOSE-M	7.74	*5- cn	10 - 130	06/15/26 16:38	06/17/26 09:06	1
d9-N-EtFOSE-M	5.83	*5- cn	10 - 130	06/15/26 16:38	06/17/26 09:06	1
d5-NEtPFOSA	6.72	*5- cn	10 - 130	06/15/26 16:38	06/17/26 09:06	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-36

Lab Sample ID: 410-286769-9

Date Collected: 06/04/26 12:10

Matrix: Water

Date Received: 06/04/26 16:42

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d3-NMePFOSA	8.05	*5- cn	10 - 130	06/15/26 16:38	06/17/26 09:06	1
13C2 PFDoA	15.0	cn	10 - 130	06/15/26 16:38	06/17/26 09:06	1
13C3-3:3 FTCA	83.5	cn	20 - 150	06/15/26 16:38	06/17/26 09:06	1
13C3-5:3 FTCA	72.4	cn	20 - 150	06/15/26 16:38	06/17/26 09:06	1
13C3-PFDoS	7.74	*5- cn	20 - 150	06/15/26 16:38	06/17/26 09:06	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.0056	cn	0.0021	0.00057	mg/L		06/09/26 15:20	06/10/26 17:39	1
Manganese	0.10	cn	0.0021	0.0013	mg/L		06/09/26 15:20	06/10/26 17:39	1
Nickel	0.051	cn	0.0010	0.00041	mg/L		06/09/26 15:20	06/10/26 17:39	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-4

Lab Sample ID: 410-286769-10

Date Collected: 06/04/26 12:35

Matrix: Water

Date Received: 06/04/26 16:42

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/05/26 22:37	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	4.4		1.0	0.50	mg/L			06/18/26 11:40	5

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.0015	J cn	0.0021	0.00057	mg/L		06/09/26 15:20	06/10/26 17:33	1
Manganese	0.52	cn	0.0021	0.0013	mg/L		06/09/26 15:20	06/10/26 17:33	1
Nickel	0.012	cn	0.0010	0.00041	mg/L		06/09/26 15:20	06/10/26 17:33	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-6

Lab Sample ID: 410-286769-11

Date Collected: 06/04/26 12:45

Matrix: Water

Date Received: 06/04/26 16:42

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/17/26 02:31	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/17/26 02:31	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/17/26 02:31	1
Styrene	ND		5.0	0.30	ug/L			06/17/26 02:31	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/17/26 02:31	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/17/26 02:31	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/17/26 02:31	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/17/26 02:31	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/17/26 02:31	1
Toluene	ND		1.0	0.30	ug/L			06/17/26 02:31	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/17/26 02:31	1
Cyclohexane	ND		5.0	1.0	ug/L			06/17/26 02:31	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/17/26 02:31	1
Dibromochloromethane	ND	^c cn	1.0	0.20	ug/L			06/17/26 02:31	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/17/26 02:31	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/17/26 02:31	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/17/26 02:31	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/17/26 02:31	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/17/26 02:31	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/17/26 02:31	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			06/17/26 02:31	1
2-Hexanone	ND		10	0.85	ug/L			06/17/26 02:31	1
Acetone	18	J ^c cn	20	0.70	ug/L			06/17/26 02:31	1
Chloroform	ND		1.0	0.30	ug/L			06/17/26 02:31	1
Benzene	ND		1.0	0.30	ug/L			06/17/26 02:31	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/17/26 02:31	1
Bromomethane	ND		1.0	0.30	ug/L			06/17/26 02:31	1
Chloromethane	ND		2.0	0.55	ug/L			06/17/26 02:31	1
Chloroethane	ND		1.0	0.30	ug/L			06/17/26 02:31	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/17/26 02:31	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/17/26 02:31	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/17/26 02:31	1
Bromoform	ND	^c cn	4.0	1.0	ug/L			06/17/26 02:31	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/17/26 02:31	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/17/26 02:31	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/17/26 02:31	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/17/26 02:31	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/17/26 02:31	1
Freon 113	ND		10	0.30	ug/L			06/17/26 02:31	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/17/26 02:31	1
2-Butanone	ND		10	1.0	ug/L			06/17/26 02:31	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/17/26 02:31	1
Trichloroethene	0.31	J	1.0	0.30	ug/L			06/17/26 02:31	1
Methyl acetate	ND		5.0	0.60	ug/L			06/17/26 02:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/17/26 02:31	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/17/26 02:31	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/17/26 02:31	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/17/26 02:31	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-6

Lab Sample ID: 410-286769-11

Date Collected: 06/04/26 12:45

Matrix: Water

Date Received: 06/04/26 16:42

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		80 - 120		06/17/26 02:31	1
Dibromofluoromethane (Surr)	117		80 - 120		06/17/26 02:31	1
4-Bromofluorobenzene (Surr)	99		80 - 120		06/17/26 02:31	1
Toluene-d8 (Surr)	96		80 - 120		06/17/26 02:31	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/05/26 22:52	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.65		0.20	0.10	mg/L			06/17/26 18:12	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	22		3.7	1.0	ng/L		06/15/26 16:38	06/17/26 09:19	1
Perfluoropentanoic acid (PFPeA)	12		1.8	0.55	ng/L		06/15/26 16:38	06/17/26 09:19	1
Perfluorohexanoic acid (PFHxA)	14		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 09:19	1
Perfluoroheptanoic acid (PFHpA)	7.6		1.8	0.73	ng/L		06/15/26 16:38	06/17/26 09:19	1
Perfluorooctanoic acid (PFOA)	12	I cn	1.8	0.82	ng/L		06/15/26 16:38	06/17/26 09:19	1
Perfluorononanoic acid (PFNA)	2.1		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 09:19	1
Perfluorodecanoic acid (PFDA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 09:19	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 09:19	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 09:19	1
Perfluorotridecanoic acid (PFTriDA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 09:19	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 09:19	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 09:19	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 09:19	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.73	ng/L		06/15/26 16:38	06/17/26 09:19	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 09:19	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8	1.2	ng/L		06/15/26 16:38	06/17/26 09:19	1
Perfluorononanesulfonic acid (PFNS)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 09:19	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 09:19	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.55	ng/L		06/15/26 16:38	06/17/26 09:19	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.7	0.92	ng/L		06/15/26 16:38	06/17/26 09:19	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	16		3.7	0.92	ng/L		06/15/26 16:38	06/17/26 09:19	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.7	0.92	ng/L		06/15/26 16:38	06/17/26 09:19	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 09:19	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 09:19	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.8	1.0	ng/L		06/15/26 16:38	06/17/26 09:19	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 09:19	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 09:19	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-6

Lab Sample ID: 410-286769-11

Date Collected: 06/04/26 12:45

Matrix: Water

Date Received: 06/04/26 16:42

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		9.2	3.7	ng/L		06/15/26 16:38	06/17/26 09:19	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		9.2	3.7	ng/L		06/15/26 16:38	06/17/26 09:19	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.8	1.3	ng/L		06/15/26 16:38	06/17/26 09:19	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 09:19	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 09:19	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 09:19	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 09:19	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 09:19	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 09:19	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 09:19	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.7	0.92	ng/L		06/15/26 16:38	06/17/26 09:19	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		9.2	2.6	ng/L		06/15/26 16:38	06/17/26 09:19	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		9.2	2.3	ng/L		06/15/26 16:38	06/17/26 09:19	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	91.9		5 - 130	06/15/26 16:38	06/17/26 09:19	1
13C5 PFPeA	57.1		40 - 130	06/15/26 16:38	06/17/26 09:19	1
13C5 PFHxA	66.0		40 - 130	06/15/26 16:38	06/17/26 09:19	1
13C4 PFHpA	64.3		40 - 130	06/15/26 16:38	06/17/26 09:19	1
13C8 PFOA	87.1		40 - 130	06/15/26 16:38	06/17/26 09:19	1
13C9 PFNA	73.3		40 - 130	06/15/26 16:38	06/17/26 09:19	1
13C6 PFDA	51.7		40 - 130	06/15/26 16:38	06/17/26 09:19	1
13C7 PFUnA	45.6		30 - 130	06/15/26 16:38	06/17/26 09:19	1
13C2 PFTeDA	49.2		10 - 130	06/15/26 16:38	06/17/26 09:19	1
13C3 PFBS	86.6		40 - 135	06/15/26 16:38	06/17/26 09:19	1
13C3 PFHxS	73.1		40 - 130	06/15/26 16:38	06/17/26 09:19	1
13C8 PFOS	47.3		40 - 130	06/15/26 16:38	06/17/26 09:19	1
13C8 FOSA	53.3		40 - 130	06/15/26 16:38	06/17/26 09:19	1
d3-NMeFOSAA	59.5		40 - 170	06/15/26 16:38	06/17/26 09:19	1
d5-NEtFOSAA	52.8		25 - 135	06/15/26 16:38	06/17/26 09:19	1
13C2 4:2 FTS	252	*5+ cn	40 - 200	06/15/26 16:38	06/17/26 09:19	1
13C2 6:2 FTS	175		40 - 200	06/15/26 16:38	06/17/26 09:19	1
13C2 8:2 FTS	123		40 - 300	06/15/26 16:38	06/17/26 09:19	1
13C3 HFPO-DA	63.1		40 - 130	06/15/26 16:38	06/17/26 09:19	1
d7-N-MeFOSE-M	35.4		10 - 130	06/15/26 16:38	06/17/26 09:19	1
d9-N-EtFOSE-M	33.9		10 - 130	06/15/26 16:38	06/17/26 09:19	1
d5-NEtPFOSA	41.5		10 - 130	06/15/26 16:38	06/17/26 09:19	1
d3-NMePFOSA	40.7		10 - 130	06/15/26 16:38	06/17/26 09:19	1
13C2 PFDaA	41.3		10 - 130	06/15/26 16:38	06/17/26 09:19	1
13C3-3:3 FTCA	74.8		20 - 150	06/15/26 16:38	06/17/26 09:19	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-6

Lab Sample ID: 410-286769-11

Date Collected: 06/04/26 12:45

Matrix: Water

Date Received: 06/04/26 16:42

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-5:3 FTCA	98.4		20 - 150	06/15/26 16:38	06/17/26 09:19	1
13C3-PFDoS	46.2		20 - 150	06/15/26 16:38	06/17/26 09:19	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.00074	J cn	0.0021	0.00057	mg/L		06/09/26 15:20	06/10/26 17:18	1
Manganese	0.49	cn	0.0021	0.0013	mg/L		06/09/26 15:20	06/10/26 17:18	1
Nickel	0.0045	cn	0.0010	0.00041	mg/L		06/09/26 15:20	06/10/26 17:18	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-9

Lab Sample ID: 410-286769-12

Date Collected: 06/04/26 13:30

Matrix: Water

Date Received: 06/04/26 16:42

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/17/26 02:52	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/17/26 02:52	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/17/26 02:52	1
Styrene	ND		5.0	0.30	ug/L			06/17/26 02:52	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/17/26 02:52	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/17/26 02:52	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/17/26 02:52	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/17/26 02:52	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/17/26 02:52	1
Toluene	ND		1.0	0.30	ug/L			06/17/26 02:52	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/17/26 02:52	1
Cyclohexane	ND		5.0	1.0	ug/L			06/17/26 02:52	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/17/26 02:52	1
Dibromochloromethane	ND	^c cn	1.0	0.20	ug/L			06/17/26 02:52	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/17/26 02:52	1
Tetrachloroethene	0.31	J	1.0	0.30	ug/L			06/17/26 02:52	1
cis-1,2-Dichloroethene	160		1.0	0.30	ug/L			06/17/26 02:52	1
trans-1,2-Dichloroethene	1.6	J	2.0	0.70	ug/L			06/17/26 02:52	1
Methyl tertiary butyl ether	1.7		1.0	0.20	ug/L			06/17/26 02:52	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/17/26 02:52	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			06/17/26 02:52	1
2-Hexanone	ND		10	0.85	ug/L			06/17/26 02:52	1
Acetone	3.3	J ^c cn	20	0.70	ug/L			06/17/26 02:52	1
Chloroform	ND		1.0	0.30	ug/L			06/17/26 02:52	1
Benzene	ND		1.0	0.30	ug/L			06/17/26 02:52	1
1,1,1-Trichloroethane	29		1.0	0.30	ug/L			06/17/26 02:52	1
Bromomethane	ND		1.0	0.30	ug/L			06/17/26 02:52	1
Chloromethane	ND		2.0	0.55	ug/L			06/17/26 02:52	1
Chloroethane	ND		1.0	0.30	ug/L			06/17/26 02:52	1
Vinyl chloride	22		1.0	0.30	ug/L			06/17/26 02:52	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/17/26 02:52	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/17/26 02:52	1
Bromoform	ND	^c cn	4.0	1.0	ug/L			06/17/26 02:52	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/17/26 02:52	1
1,1-Dichloroethane	5.7		1.0	0.30	ug/L			06/17/26 02:52	1
1,1-Dichloroethene	1.5		1.0	0.30	ug/L			06/17/26 02:52	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/17/26 02:52	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/17/26 02:52	1
Freon 113	ND		10	0.30	ug/L			06/17/26 02:52	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/17/26 02:52	1
2-Butanone	ND		10	1.0	ug/L			06/17/26 02:52	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/17/26 02:52	1
Trichloroethene	15		1.0	0.30	ug/L			06/17/26 02:52	1
Methyl acetate	ND		5.0	0.60	ug/L			06/17/26 02:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/17/26 02:52	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/17/26 02:52	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/17/26 02:52	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/17/26 02:52	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-9

Lab Sample ID: 410-286769-12

Date Collected: 06/04/26 13:30

Matrix: Water

Date Received: 06/04/26 16:42

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		80 - 120		06/17/26 02:52	1
Dibromofluoromethane (Surr)	115		80 - 120		06/17/26 02:52	1
4-Bromofluorobenzene (Surr)	97		80 - 120		06/17/26 02:52	1
Toluene-d8 (Surr)	97		80 - 120		06/17/26 02:52	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/05/26 23:00	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	2.1		0.20	0.10	mg/L			06/17/26 18:50	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	49		3.5	0.97	ng/L		06/15/26 16:38	06/17/26 09:33	1
Perfluoropentanoic acid (PFPeA)	130		1.8	0.53	ng/L		06/15/26 16:38	06/17/26 09:33	1
Perfluorohexanoic acid (PFHxA)	95		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 09:33	1
Perfluoroheptanoic acid (PFHpA)	85		1.8	0.71	ng/L		06/15/26 16:38	06/17/26 09:33	1
Perfluorooctanoic acid (PFOA)	88		1.8	0.79	ng/L		06/15/26 16:38	06/17/26 09:33	1
Perfluorononanoic acid (PFNA)	24		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 09:33	1
Perfluorodecanoic acid (PFDA)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 09:33	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 09:33	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 09:33	1
Perfluorotridecanoic acid (PFTriDA)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 09:33	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 09:33	1
Perfluorobutanesulfonic acid (PFBS)	0.62 J		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 09:33	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 09:33	1
Perfluorohexanesulfonic acid (PFHxS)	0.84 J		1.8	0.71	ng/L		06/15/26 16:38	06/17/26 09:33	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 09:33	1
Perfluorooctanesulfonic acid (PFOS)	2.9		1.8	1.1	ng/L		06/15/26 16:38	06/17/26 09:33	1
Perfluorononanesulfonic acid (PFNS)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 09:33	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 09:33	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.53	ng/L		06/15/26 16:38	06/17/26 09:33	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	2.0 J		3.5	0.88	ng/L		06/15/26 16:38	06/17/26 09:33	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	220		3.5	0.88	ng/L		06/15/26 16:38	06/17/26 09:33	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	38		3.5	0.88	ng/L		06/15/26 16:38	06/17/26 09:33	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 09:33	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 09:33	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.8	0.97	ng/L		06/15/26 16:38	06/17/26 09:33	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 09:33	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-9

Lab Sample ID: 410-286769-12

Date Collected: 06/04/26 13:30

Matrix: Water

Date Received: 06/04/26 16:42

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 09:33	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	4.5	J	8.8	3.5	ng/L		06/15/26 16:38	06/17/26 09:33	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	5.6	J	8.8	3.5	ng/L		06/15/26 16:38	06/17/26 09:33	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.8	1.2	ng/L		06/15/26 16:38	06/17/26 09:33	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 09:33	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 09:33	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 09:33	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 09:33	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 09:33	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 09:33	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 09:33	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.5	0.88	ng/L		06/15/26 16:38	06/17/26 09:33	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		8.8	2.5	ng/L		06/15/26 16:38	06/17/26 09:33	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.8	2.2	ng/L		06/15/26 16:38	06/17/26 09:33	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	102		5 - 130	06/15/26 16:38	06/17/26 09:33	1
13C5 PFPeA	96.4		40 - 130	06/15/26 16:38	06/17/26 09:33	1
13C5 PFHxA	95.5		40 - 130	06/15/26 16:38	06/17/26 09:33	1
13C4 PFHpA	94.3		40 - 130	06/15/26 16:38	06/17/26 09:33	1
13C8 PFOA	94.3		40 - 130	06/15/26 16:38	06/17/26 09:33	1
13C9 PFNA	80.3		40 - 130	06/15/26 16:38	06/17/26 09:33	1
13C6 PFDA	59.1		40 - 130	06/15/26 16:38	06/17/26 09:33	1
13C7 PFUnA	44.4		30 - 130	06/15/26 16:38	06/17/26 09:33	1
13C2 PFTeDA	27.3		10 - 130	06/15/26 16:38	06/17/26 09:33	1
13C3 PFBS	92.7		40 - 135	06/15/26 16:38	06/17/26 09:33	1
13C3 PFHxS	82.8		40 - 130	06/15/26 16:38	06/17/26 09:33	1
13C8 PFOS	44.7		40 - 130	06/15/26 16:38	06/17/26 09:33	1
13C8 FOSA	72.4		40 - 130	06/15/26 16:38	06/17/26 09:33	1
d3-NMeFOSAA	51.5		40 - 170	06/15/26 16:38	06/17/26 09:33	1
d5-NEtFOSAA	44.5		25 - 135	06/15/26 16:38	06/17/26 09:33	1
13C2 4:2 FTS	131		40 - 200	06/15/26 16:38	06/17/26 09:33	1
13C2 6:2 FTS	100		40 - 200	06/15/26 16:38	06/17/26 09:33	1
13C2 8:2 FTS	113		40 - 300	06/15/26 16:38	06/17/26 09:33	1
13C3 HFPO-DA	94.8		40 - 130	06/15/26 16:38	06/17/26 09:33	1
d7-N-MeFOSE-M	42.1		10 - 130	06/15/26 16:38	06/17/26 09:33	1
d9-N-EtFOSE-M	40.1		10 - 130	06/15/26 16:38	06/17/26 09:33	1
d5-NEtPFOSA	37.5		10 - 130	06/15/26 16:38	06/17/26 09:33	1
d3-NMePFOSA	42.5		10 - 130	06/15/26 16:38	06/17/26 09:33	1
13C2 PFDoA	31.9		10 - 130	06/15/26 16:38	06/17/26 09:33	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-9

Lab Sample ID: 410-286769-12

Date Collected: 06/04/26 13:30

Matrix: Water

Date Received: 06/04/26 16:42

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-3:3 FTCA	114		20 - 150	06/15/26 16:38	06/17/26 09:33	1
13C3-5:3 FTCA	95.4		20 - 150	06/15/26 16:38	06/17/26 09:33	1
13C3-PFDoS	29.2		20 - 150	06/15/26 16:38	06/17/26 09:33	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND	cn	0.0021	0.00057	mg/L		06/09/26 15:20	06/10/26 17:24	1
Manganese	0.34	cn	0.0021	0.0013	mg/L		06/09/26 15:20	06/10/26 17:24	1
Nickel	0.0059	cn	0.0010	0.00041	mg/L		06/09/26 15:20	06/10/26 17:24	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: SMP-1

Lab Sample ID: 410-286769-13

Date Collected: 06/04/26 14:00

Matrix: Water

Date Received: 06/04/26 16:42

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/17/26 03:12	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/17/26 03:12	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/17/26 03:12	1
Styrene	ND		5.0	0.30	ug/L			06/17/26 03:12	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/17/26 03:12	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/17/26 03:12	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/17/26 03:12	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/17/26 03:12	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/17/26 03:12	1
Toluene	ND		1.0	0.30	ug/L			06/17/26 03:12	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/17/26 03:12	1
Cyclohexane	ND		5.0	1.0	ug/L			06/17/26 03:12	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/17/26 03:12	1
Dibromochloromethane	ND	^c cn	1.0	0.20	ug/L			06/17/26 03:12	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/17/26 03:12	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/17/26 03:12	1
cis-1,2-Dichloroethene	210		1.0	0.30	ug/L			06/17/26 03:12	1
trans-1,2-Dichloroethene	1.0	J	2.0	0.70	ug/L			06/17/26 03:12	1
Methyl tertiary butyl ether	1.2		1.0	0.20	ug/L			06/17/26 03:12	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/17/26 03:12	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			06/17/26 03:12	1
2-Hexanone	ND		10	0.85	ug/L			06/17/26 03:12	1
Acetone	1.1	J ^c cn	20	0.70	ug/L			06/17/26 03:12	1
Chloroform	ND		1.0	0.30	ug/L			06/17/26 03:12	1
Benzene	ND		1.0	0.30	ug/L			06/17/26 03:12	1
1,1,1-Trichloroethane	32		1.0	0.30	ug/L			06/17/26 03:12	1
Bromomethane	ND		1.0	0.30	ug/L			06/17/26 03:12	1
Chloromethane	ND		2.0	0.55	ug/L			06/17/26 03:12	1
Chloroethane	ND		1.0	0.30	ug/L			06/17/26 03:12	1
Vinyl chloride	1.1		1.0	0.30	ug/L			06/17/26 03:12	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/17/26 03:12	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/17/26 03:12	1
Bromoform	ND	^c cn	4.0	1.0	ug/L			06/17/26 03:12	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/17/26 03:12	1
1,1-Dichloroethane	3.9		1.0	0.30	ug/L			06/17/26 03:12	1
1,1-Dichloroethene	1.7		1.0	0.30	ug/L			06/17/26 03:12	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/17/26 03:12	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/17/26 03:12	1
Freon 113	ND		10	0.30	ug/L			06/17/26 03:12	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/17/26 03:12	1
2-Butanone	ND		10	1.0	ug/L			06/17/26 03:12	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/17/26 03:12	1
Trichloroethene	13		1.0	0.30	ug/L			06/17/26 03:12	1
Methyl acetate	ND		5.0	0.60	ug/L			06/17/26 03:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/17/26 03:12	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/17/26 03:12	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/17/26 03:12	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/17/26 03:12	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: SMP-1

Lab Sample ID: 410-286769-13

Date Collected: 06/04/26 14:00

Matrix: Water

Date Received: 06/04/26 16:42

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		80 - 120		06/17/26 03:12	1
Dibromofluoromethane (Surr)	116		80 - 120		06/17/26 03:12	1
4-Bromofluorobenzene (Surr)	97		80 - 120		06/17/26 03:12	1
Toluene-d8 (Surr)	96		80 - 120		06/17/26 03:12	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/05/26 23:08	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	3.0		1.0	0.50	mg/L			06/18/26 11:52	5

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	52		3.5	0.97	ng/L		06/15/26 16:38	06/17/26 09:46	1
Perfluoropentanoic acid (PFPeA)	160		1.8	0.53	ng/L		06/15/26 16:38	06/17/26 09:46	1
Perfluorohexanoic acid (PFHxA)	120		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 09:46	1
Perfluoroheptanoic acid (PFHpA)	100		1.8	0.70	ng/L		06/15/26 16:38	06/17/26 09:46	1
Perfluorooctanoic acid (PFOA)	100		1.8	0.79	ng/L		06/15/26 16:38	06/17/26 09:46	1
Perfluorononanoic acid (PFNA)	28		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 09:46	1
Perfluorodecanoic acid (PFDA)	0.81 J		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 09:46	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 09:46	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 09:46	1
Perfluorotridecanoic acid (PFTriDA)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 09:46	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 09:46	1
Perfluorobutanesulfonic acid (PFBS)	0.50 J		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 09:46	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 09:46	1
Perfluorohexanesulfonic acid (PFHxS)	1.0 J		1.8	0.70	ng/L		06/15/26 16:38	06/17/26 09:46	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 09:46	1
Perfluorooctanesulfonic acid (PFOS)	3.2		1.8	1.1	ng/L		06/15/26 16:38	06/17/26 09:46	1
Perfluorononanesulfonic acid (PFNS)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 09:46	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 09:46	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.53	ng/L		06/15/26 16:38	06/17/26 09:46	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	2.2 J		3.5	0.88	ng/L		06/15/26 16:38	06/17/26 09:46	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	230		3.5	0.88	ng/L		06/15/26 16:38	06/17/26 09:46	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	90		3.5	0.88	ng/L		06/15/26 16:38	06/17/26 09:46	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 09:46	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 09:46	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.8	0.97	ng/L		06/15/26 16:38	06/17/26 09:46	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 09:46	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: SMP-1

Lab Sample ID: 410-286769-13

Date Collected: 06/04/26 14:00

Matrix: Water

Date Received: 06/04/26 16:42

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 09:46	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.8	3.5	ng/L		06/15/26 16:38	06/17/26 09:46	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.8	3.5	ng/L		06/15/26 16:38	06/17/26 09:46	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.8	1.2	ng/L		06/15/26 16:38	06/17/26 09:46	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 09:46	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 09:46	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 09:46	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 09:46	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 09:46	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 09:46	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.8	0.44	ng/L		06/15/26 16:38	06/17/26 09:46	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.5	0.88	ng/L		06/15/26 16:38	06/17/26 09:46	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		8.8	2.5	ng/L		06/15/26 16:38	06/17/26 09:46	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.8	2.2	ng/L		06/15/26 16:38	06/17/26 09:46	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	104		5 - 130	06/15/26 16:38	06/17/26 09:46	1
13C5 PFPeA	92.0		40 - 130	06/15/26 16:38	06/17/26 09:46	1
13C5 PFHxA	88.3		40 - 130	06/15/26 16:38	06/17/26 09:46	1
13C4 PFHpA	85.6		40 - 130	06/15/26 16:38	06/17/26 09:46	1
13C8 PFOA	87.6		40 - 130	06/15/26 16:38	06/17/26 09:46	1
13C9 PFNA	78.2		40 - 130	06/15/26 16:38	06/17/26 09:46	1
13C6 PFDA	67.7		40 - 130	06/15/26 16:38	06/17/26 09:46	1
13C7 PFUnA	69.2		30 - 130	06/15/26 16:38	06/17/26 09:46	1
13C2 PFTeDA	66.7		10 - 130	06/15/26 16:38	06/17/26 09:46	1
13C3 PFBS	88.6		40 - 135	06/15/26 16:38	06/17/26 09:46	1
13C3 PFHxS	79.9		40 - 130	06/15/26 16:38	06/17/26 09:46	1
13C8 PFOS	67.9		40 - 130	06/15/26 16:38	06/17/26 09:46	1
13C8 FOSA	68.6		40 - 130	06/15/26 16:38	06/17/26 09:46	1
d3-NMeFOSAA	63.8		40 - 170	06/15/26 16:38	06/17/26 09:46	1
d5-NEtFOSAA	55.4		25 - 135	06/15/26 16:38	06/17/26 09:46	1
13C2 4:2 FTS	115		40 - 200	06/15/26 16:38	06/17/26 09:46	1
13C2 6:2 FTS	97.8		40 - 200	06/15/26 16:38	06/17/26 09:46	1
13C2 8:2 FTS	120		40 - 300	06/15/26 16:38	06/17/26 09:46	1
13C3 HFPO-DA	89.3		40 - 130	06/15/26 16:38	06/17/26 09:46	1
d7-N-MeFOSE-M	50.5		10 - 130	06/15/26 16:38	06/17/26 09:46	1
d9-N-EtFOSE-M	45.9		10 - 130	06/15/26 16:38	06/17/26 09:46	1
d5-NEtPFOSA	56.6		10 - 130	06/15/26 16:38	06/17/26 09:46	1
d3-NMePFOSA	59.6		10 - 130	06/15/26 16:38	06/17/26 09:46	1
13C2 PFDoA	70.5		10 - 130	06/15/26 16:38	06/17/26 09:46	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: SMP-1

Lab Sample ID: 410-286769-13

Date Collected: 06/04/26 14:00

Matrix: Water

Date Received: 06/04/26 16:42

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-3:3 FTCA	89.8		20 - 150	06/15/26 16:38	06/17/26 09:46	1
13C3-5:3 FTCA	85.7		20 - 150	06/15/26 16:38	06/17/26 09:46	1
13C3-PFDoS	65.2		20 - 150	06/15/26 16:38	06/17/26 09:46	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.0026	cn	0.0021	0.00057	mg/L		06/09/26 15:20	06/10/26 17:20	1
Manganese	0.044	cn	0.0021	0.0013	mg/L		06/09/26 15:20	06/10/26 17:20	1
Nickel	0.0030	cn	0.0010	0.00041	mg/L		06/09/26 15:20	06/10/26 17:20	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: SMP-2R

Lab Sample ID: 410-286769-14

Date Collected: 06/04/26 14:15

Matrix: Water

Date Received: 06/04/26 16:42

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/17/26 03:33	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/17/26 03:33	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/17/26 03:33	1
Styrene	ND		5.0	0.30	ug/L			06/17/26 03:33	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/17/26 03:33	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/17/26 03:33	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/17/26 03:33	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/17/26 03:33	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/17/26 03:33	1
Toluene	ND		1.0	0.30	ug/L			06/17/26 03:33	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/17/26 03:33	1
Cyclohexane	ND		5.0	1.0	ug/L			06/17/26 03:33	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/17/26 03:33	1
Dibromochloromethane	ND	^c cn	1.0	0.20	ug/L			06/17/26 03:33	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/17/26 03:33	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/17/26 03:33	1
cis-1,2-Dichloroethene	0.59	J	1.0	0.30	ug/L			06/17/26 03:33	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/17/26 03:33	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/17/26 03:33	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/17/26 03:33	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			06/17/26 03:33	1
2-Hexanone	ND		10	0.85	ug/L			06/17/26 03:33	1
Acetone	5.5	J ^c cn	20	0.70	ug/L			06/17/26 03:33	1
Chloroform	ND		1.0	0.30	ug/L			06/17/26 03:33	1
Benzene	ND		1.0	0.30	ug/L			06/17/26 03:33	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/17/26 03:33	1
Bromomethane	ND		1.0	0.30	ug/L			06/17/26 03:33	1
Chloromethane	ND		2.0	0.55	ug/L			06/17/26 03:33	1
Chloroethane	ND		1.0	0.30	ug/L			06/17/26 03:33	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/17/26 03:33	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/17/26 03:33	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/17/26 03:33	1
Bromoform	ND	^c cn	4.0	1.0	ug/L			06/17/26 03:33	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/17/26 03:33	1
1,1-Dichloroethane	0.50	J	1.0	0.30	ug/L			06/17/26 03:33	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/17/26 03:33	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/17/26 03:33	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/17/26 03:33	1
Freon 113	ND		10	0.30	ug/L			06/17/26 03:33	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/17/26 03:33	1
2-Butanone	ND		10	1.0	ug/L			06/17/26 03:33	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/17/26 03:33	1
Trichloroethene	0.30	J	1.0	0.30	ug/L			06/17/26 03:33	1
Methyl acetate	ND		5.0	0.60	ug/L			06/17/26 03:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/17/26 03:33	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/17/26 03:33	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/17/26 03:33	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/17/26 03:33	1

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Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: SMP-2R

Lab Sample ID: 410-286769-14

Date Collected: 06/04/26 14:15

Matrix: Water

Date Received: 06/04/26 16:42

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		80 - 120		06/17/26 03:33	1
Dibromofluoromethane (Surr)	118		80 - 120		06/17/26 03:33	1
4-Bromofluorobenzene (Surr)	95		80 - 120		06/17/26 03:33	1
Toluene-d8 (Surr)	95		80 - 120		06/17/26 03:33	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/05/26 23:30	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	7.5		1.0	0.50	mg/L			06/18/26 12:05	5

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	9.5	cn	3.6	0.99	ng/L		06/15/26 16:38	06/17/26 10:00	1
Perfluoropentanoic acid (PFPeA)	18	cn	1.8	0.54	ng/L		06/15/26 16:38	06/17/26 10:00	1
Perfluorohexanoic acid (PFHxA)	12	cn	1.8	0.45	ng/L		06/15/26 16:38	06/17/26 10:00	1
Perfluoroheptanoic acid (PFHpA)	6.4	cn	1.8	0.72	ng/L		06/15/26 16:38	06/17/26 10:00	1
Perfluorooctanoic acid (PFOA)	8.6	cn	1.8	0.81	ng/L		06/15/26 16:38	06/17/26 10:00	1
Perfluorononanoic acid (PFNA)	3.5	I cn	1.8	0.45	ng/L		06/15/26 16:38	06/17/26 10:00	1
Perfluorodecanoic acid (PFDA)	ND	cn	1.8	0.45	ng/L		06/15/26 16:38	06/17/26 10:00	1
Perfluoroundecanoic acid (PFUnA)	ND	cn	1.8	0.45	ng/L		06/15/26 16:38	06/17/26 10:00	1
Perfluorododecanoic acid (PFDoA)	ND	cn	1.8	0.45	ng/L		06/15/26 16:38	06/17/26 10:00	1
Perfluorotridecanoic acid (PFTriDA)	ND	cn	1.8	0.45	ng/L		06/15/26 16:38	06/17/26 10:00	1
Perfluorotetradecanoic acid (PFTeDA)	ND	cn	1.8	0.45	ng/L		06/15/26 16:38	06/17/26 10:00	1
Perfluorobutanesulfonic acid (PFBS)	1.3	J cn	1.8	0.45	ng/L		06/15/26 16:38	06/17/26 10:00	1
Perfluoropentanesulfonic acid (PFPeS)	ND	cn	1.8	0.45	ng/L		06/15/26 16:38	06/17/26 10:00	1
Perfluorohexanesulfonic acid (PFHxS)	1.0	J cn	1.8	0.72	ng/L		06/15/26 16:38	06/17/26 10:00	1
Perfluoroheptanesulfonic acid (PFHpS)	ND	cn	1.8	0.45	ng/L		06/15/26 16:38	06/17/26 10:00	1
Perfluorooctanesulfonic acid (PFOS)	5.2	cn	1.8	1.2	ng/L		06/15/26 16:38	06/17/26 10:00	1
Perfluorononanesulfonic acid (PFNS)	ND	cn	1.8	0.45	ng/L		06/15/26 16:38	06/17/26 10:00	1
Perfluorodecanesulfonic acid (PFDS)	ND	cn	1.8	0.45	ng/L		06/15/26 16:38	06/17/26 10:00	1
Perfluorododecanesulfonic acid (PFDoS)	ND	cn	1.8	0.54	ng/L		06/15/26 16:38	06/17/26 10:00	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND	cn	3.6	0.90	ng/L		06/15/26 16:38	06/17/26 10:00	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	15	cn	3.6	0.90	ng/L		06/15/26 16:38	06/17/26 10:00	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND	cn	3.6	0.90	ng/L		06/15/26 16:38	06/17/26 10:00	1
Perfluorooctanesulfonamide (PFOSA)	ND	cn	1.8	0.45	ng/L		06/15/26 16:38	06/17/26 10:00	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND	cn	1.8	0.45	ng/L		06/15/26 16:38	06/17/26 10:00	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND	cn	1.8	0.99	ng/L		06/15/26 16:38	06/17/26 10:00	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND	cn	1.8	0.45	ng/L		06/15/26 16:38	06/17/26 10:00	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: SMP-2R

Lab Sample ID: 410-286769-14

Date Collected: 06/04/26 14:15

Matrix: Water

Date Received: 06/04/26 16:42

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND	cn	1.8	0.45	ng/L		06/15/26 16:38	06/17/26 10:00	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND	cn	9.0	3.6	ng/L		06/15/26 16:38	06/17/26 10:00	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND	cn	9.0	3.6	ng/L		06/15/26 16:38	06/17/26 10:00	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	cn	1.8	1.3	ng/L		06/15/26 16:38	06/17/26 10:00	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND	cn	1.8	0.45	ng/L		06/15/26 16:38	06/17/26 10:00	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	cn	1.8	0.45	ng/L		06/15/26 16:38	06/17/26 10:00	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	cn	1.8	0.45	ng/L		06/15/26 16:38	06/17/26 10:00	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	cn	1.8	0.45	ng/L		06/15/26 16:38	06/17/26 10:00	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND	cn	1.8	0.45	ng/L		06/15/26 16:38	06/17/26 10:00	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND	cn	1.8	0.45	ng/L		06/15/26 16:38	06/17/26 10:00	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND	cn	1.8	0.45	ng/L		06/15/26 16:38	06/17/26 10:00	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND	cn	3.6	0.90	ng/L		06/15/26 16:38	06/17/26 10:00	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND	cn	9.0	2.5	ng/L		06/15/26 16:38	06/17/26 10:00	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND	cn	9.0	2.3	ng/L		06/15/26 16:38	06/17/26 10:00	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	79.1	cn	5 - 130	06/15/26 16:38	06/17/26 10:00	1
13C5 PFPeA	74.2	cn	40 - 130	06/15/26 16:38	06/17/26 10:00	1
13C5 PFHxA	80.8	cn	40 - 130	06/15/26 16:38	06/17/26 10:00	1
13C4 PFHpA	76.3	cn	40 - 130	06/15/26 16:38	06/17/26 10:00	1
13C8 PFOA	84.8	cn	40 - 130	06/15/26 16:38	06/17/26 10:00	1
13C9 PFNA	75.1	cn	40 - 130	06/15/26 16:38	06/17/26 10:00	1
13C6 PFDA	58.3	cn	40 - 130	06/15/26 16:38	06/17/26 10:00	1
13C7 PFUnA	41.0	cn	30 - 130	06/15/26 16:38	06/17/26 10:00	1
13C2 PFTeDA	13.2	cn	10 - 130	06/15/26 16:38	06/17/26 10:00	1
13C3 PFBS	74.6	cn	40 - 135	06/15/26 16:38	06/17/26 10:00	1
13C3 PFHxS	77.7	cn	40 - 130	06/15/26 16:38	06/17/26 10:00	1
13C8 PFOS	64.8	cn	40 - 130	06/15/26 16:38	06/17/26 10:00	1
13C8 FOSA	45.1	cn	40 - 130	06/15/26 16:38	06/17/26 10:00	1
d3-NMeFOSAA	40.4	cn	40 - 170	06/15/26 16:38	06/17/26 10:00	1
d5-NEtFOSAA	34.8	cn	25 - 135	06/15/26 16:38	06/17/26 10:00	1
13C2 4:2 FTS	115	cn	40 - 200	06/15/26 16:38	06/17/26 10:00	1
13C2 6:2 FTS	142	cn	40 - 200	06/15/26 16:38	06/17/26 10:00	1
13C2 8:2 FTS	111	cn	40 - 300	06/15/26 16:38	06/17/26 10:00	1
13C3 HFPO-DA	78.4	cn	40 - 130	06/15/26 16:38	06/17/26 10:00	1
d7-N-MeFOSE-M	14.4	cn	10 - 130	06/15/26 16:38	06/17/26 10:00	1
d9-N-EtFOSE-M	11.6	cn	10 - 130	06/15/26 16:38	06/17/26 10:00	1
d5-NEtPFOSA	14.6	cn	10 - 130	06/15/26 16:38	06/17/26 10:00	1
d3-NMePFOSA	18.8	cn	10 - 130	06/15/26 16:38	06/17/26 10:00	1
13C2 PFDoA	23.0	cn	10 - 130	06/15/26 16:38	06/17/26 10:00	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: SMP-2R

Lab Sample ID: 410-286769-14

Date Collected: 06/04/26 14:15

Matrix: Water

Date Received: 06/04/26 16:42

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-3:3 FTCA	80.6	cn	20 - 150	06/15/26 16:38	06/17/26 10:00	1
13C3-5:3 FTCA	64.5	cn	20 - 150	06/15/26 16:38	06/17/26 10:00	1
13C3-PFDoS	13.6	*5- cn	20 - 150	06/15/26 16:38	06/17/26 10:00	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.0022	cn	0.0021	0.00057	mg/L		06/09/26 15:20	06/10/26 17:16	1
Manganese	0.20	cn	0.0021	0.0013	mg/L		06/09/26 15:20	06/10/26 17:16	1
Nickel	0.0088	cn	0.0010	0.00041	mg/L		06/09/26 15:20	06/10/26 17:16	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: SMP-3

Lab Sample ID: 410-286769-15

Date Collected: 06/04/26 14:30

Matrix: Water

Date Received: 06/04/26 16:42

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/18/26 00:17	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/18/26 00:17	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/18/26 00:17	1
Styrene	ND		5.0	0.30	ug/L			06/18/26 00:17	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 00:17	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/18/26 00:17	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/18/26 00:17	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/18/26 00:17	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/18/26 00:17	1
Toluene	ND		1.0	0.30	ug/L			06/18/26 00:17	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/18/26 00:17	1
Cyclohexane	ND		5.0	1.0	ug/L			06/18/26 00:17	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 00:17	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/18/26 00:17	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/18/26 00:17	1
Tetrachloroethene	0.39	J	1.0	0.30	ug/L			06/18/26 00:17	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/18/26 00:17	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/18/26 00:17	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/18/26 00:17	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/18/26 00:17	1
2-Hexanone	ND		10	0.85	ug/L			06/18/26 00:17	1
Acetone	4.1	J	20	0.70	ug/L			06/18/26 00:17	1
Chloroform	ND		1.0	0.30	ug/L			06/18/26 00:17	1
Benzene	ND		1.0	0.30	ug/L			06/18/26 00:17	1
1,1,1-Trichloroethane	7.9		1.0	0.30	ug/L			06/18/26 00:17	1
Bromomethane	ND		1.0	0.30	ug/L			06/18/26 00:17	1
Chloromethane	ND		2.0	0.55	ug/L			06/18/26 00:17	1
Chloroethane	ND		1.0	0.30	ug/L			06/18/26 00:17	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/18/26 00:17	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/18/26 00:17	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/18/26 00:17	1
Bromoform	ND		4.0	1.0	ug/L			06/18/26 00:17	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/18/26 00:17	1
1,1-Dichloroethane	0.44	J	1.0	0.30	ug/L			06/18/26 00:17	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/18/26 00:17	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/18/26 00:17	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/18/26 00:17	1
Freon 113	ND	^c cn	10	0.30	ug/L			06/18/26 00:17	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/18/26 00:17	1
2-Butanone	ND		10	1.0	ug/L			06/18/26 00:17	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/18/26 00:17	1
Trichloroethene	3.7		1.0	0.30	ug/L			06/18/26 00:17	1
Methyl acetate	ND		5.0	0.60	ug/L			06/18/26 00:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/18/26 00:17	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/18/26 00:17	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/18/26 00:17	1
Isopropylbenzene	ND	^c cn	5.0	0.30	ug/L			06/18/26 00:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120		06/18/26 00:17	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: SMP-3

Lab Sample ID: 410-286769-15

Date Collected: 06/04/26 14:30

Matrix: Water

Date Received: 06/04/26 16:42

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	102		80 - 120		06/18/26 00:17	1
4-Bromofluorobenzene (Surr)	100		80 - 120		06/18/26 00:17	1
Toluene-d8 (Surr)	103		80 - 120		06/18/26 00:17	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/18/26 14:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		06/18/26 14:15	1
Dibromofluoromethane (Surr)	111		80 - 120		06/18/26 14:15	1
4-Bromofluorobenzene (Surr)	88		80 - 120		06/18/26 14:15	1
Toluene-d8 (Surr)	90		80 - 120		06/18/26 14:15	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.34		0.10	0.050	mg/L			06/10/26 13:24	10

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	16		2.0	1.0	mg/L			06/18/26 12:17	10

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	23		3.7	1.0	ng/L		06/15/26 16:38	06/17/26 10:14	1
Perfluoropentanoic acid (PFPeA)	89		1.8	0.55	ng/L		06/15/26 16:38	06/17/26 10:14	1
Perfluorohexanoic acid (PFHxA)	63		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 10:14	1
Perfluoroheptanoic acid (PFHpA)	19		1.8	0.73	ng/L		06/15/26 16:38	06/17/26 10:14	1
Perfluorooctanoic acid (PFOA)	20		1.8	0.82	ng/L		06/15/26 16:38	06/17/26 10:14	1
Perfluorononanoic acid (PFNA)	6.4		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 10:14	1
Perfluorodecanoic acid (PFDA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 10:14	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 10:14	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 10:14	1
Perfluorotridecanoic acid (PFTTrDA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 10:14	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 10:14	1
Perfluorobutanesulfonic acid (PFBS)	0.58	J	1.8	0.46	ng/L		06/15/26 16:38	06/17/26 10:14	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 10:14	1
Perfluorohexanesulfonic acid (PFHxS)	0.96	J	1.8	0.73	ng/L		06/15/26 16:38	06/17/26 10:14	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 10:14	1
Perfluorooctanesulfonic acid (PFOS)	2.2		1.8	1.2	ng/L		06/15/26 16:38	06/17/26 10:14	1
Perfluorononanesulfonic acid (PFNS)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 10:14	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 10:14	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.55	ng/L		06/15/26 16:38	06/17/26 10:14	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.7	0.92	ng/L		06/15/26 16:38	06/17/26 10:14	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: SMP-3

Lab Sample ID: 410-286769-15

Date Collected: 06/04/26 14:30

Matrix: Water

Date Received: 06/04/26 16:42

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	78		3.7	0.92	ng/L		06/15/26 16:38	06/17/26 10:14	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.7	0.92	ng/L		06/15/26 16:38	06/17/26 10:14	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 10:14	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 10:14	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.8	1.0	ng/L		06/15/26 16:38	06/17/26 10:14	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 10:14	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 10:14	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		9.2	3.7	ng/L		06/15/26 16:38	06/17/26 10:14	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		9.2	3.7	ng/L		06/15/26 16:38	06/17/26 10:14	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.8	1.3	ng/L		06/15/26 16:38	06/17/26 10:14	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 10:14	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 10:14	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 10:14	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 10:14	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 10:14	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 10:14	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 10:14	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.7	0.92	ng/L		06/15/26 16:38	06/17/26 10:14	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	4.8 J		9.2	2.6	ng/L		06/15/26 16:38	06/17/26 10:14	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		9.2	2.3	ng/L		06/15/26 16:38	06/17/26 10:14	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	85.6		5 - 130	06/15/26 16:38	06/17/26 10:14	1
13C5 PFPeA	80.8		40 - 130	06/15/26 16:38	06/17/26 10:14	1
13C5 PFHxA	82.2		40 - 130	06/15/26 16:38	06/17/26 10:14	1
13C4 PFHpA	82.1		40 - 130	06/15/26 16:38	06/17/26 10:14	1
13C8 PFOA	87.8		40 - 130	06/15/26 16:38	06/17/26 10:14	1
13C9 PFNA	84.3		40 - 130	06/15/26 16:38	06/17/26 10:14	1
13C6 PFDA	74.7		40 - 130	06/15/26 16:38	06/17/26 10:14	1
13C7 PFUnA	66.8		30 - 130	06/15/26 16:38	06/17/26 10:14	1
13C2 PFTeDA	47.7		10 - 130	06/15/26 16:38	06/17/26 10:14	1
13C3 PFBS	81.7		40 - 135	06/15/26 16:38	06/17/26 10:14	1
13C3 PFHxS	80.3		40 - 130	06/15/26 16:38	06/17/26 10:14	1
13C8 PFOS	75.2		40 - 130	06/15/26 16:38	06/17/26 10:14	1
13C8 FOSA	63.6		40 - 130	06/15/26 16:38	06/17/26 10:14	1
d3-NMeFOSAA	62.3		40 - 170	06/15/26 16:38	06/17/26 10:14	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: SMP-3

Lab Sample ID: 410-286769-15

Date Collected: 06/04/26 14:30

Matrix: Water

Date Received: 06/04/26 16:42

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	54.4		25 - 135	06/15/26 16:38	06/17/26 10:14	1
13C2 4:2 FTS	97.8		40 - 200	06/15/26 16:38	06/17/26 10:14	1
13C2 6:2 FTS	89.1		40 - 200	06/15/26 16:38	06/17/26 10:14	1
13C2 8:2 FTS	129		40 - 300	06/15/26 16:38	06/17/26 10:14	1
13C3 HFPO-DA	88.6		40 - 130	06/15/26 16:38	06/17/26 10:14	1
d7-N-MeFOSE-M	37.0		10 - 130	06/15/26 16:38	06/17/26 10:14	1
d9-N-EtFOSE-M	33.0		10 - 130	06/15/26 16:38	06/17/26 10:14	1
d5-NEtPFOSA	46.1		10 - 130	06/15/26 16:38	06/17/26 10:14	1
d3-NMePFOSA	48.2		10 - 130	06/15/26 16:38	06/17/26 10:14	1
13C2 PFDoA	55.6		10 - 130	06/15/26 16:38	06/17/26 10:14	1
13C3-3:3 FTCA	86.4		20 - 150	06/15/26 16:38	06/17/26 10:14	1
13C3-5:3 FTCA	80.2		20 - 150	06/15/26 16:38	06/17/26 10:14	1
13C3-PFDoS	49.4		20 - 150	06/15/26 16:38	06/17/26 10:14	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.31	cn	0.0021	0.00057	mg/L		06/09/26 15:20	06/10/26 17:10	1
Manganese	0.025	cn	0.0021	0.0013	mg/L		06/09/26 15:20	06/10/26 17:10	1
Nickel	0.054	cn	0.0010	0.00041	mg/L		06/09/26 15:20	06/10/26 17:10	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: SMP-4

Lab Sample ID: 410-286769-16

Date Collected: 06/04/26 14:45

Matrix: Water

Date Received: 06/04/26 16:42

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/18/26 00:40	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/18/26 00:40	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/18/26 00:40	1
Styrene	ND		5.0	0.30	ug/L			06/18/26 00:40	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 00:40	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/18/26 00:40	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/18/26 00:40	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/18/26 00:40	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/18/26 00:40	1
Toluene	ND		1.0	0.30	ug/L			06/18/26 00:40	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/18/26 00:40	1
Cyclohexane	ND		5.0	1.0	ug/L			06/18/26 00:40	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 00:40	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/18/26 00:40	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/18/26 00:40	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/18/26 00:40	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/18/26 00:40	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/18/26 00:40	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/18/26 00:40	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/18/26 00:40	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/18/26 00:40	1
2-Hexanone	ND		10	0.85	ug/L			06/18/26 00:40	1
Acetone	3.5	J	20	0.70	ug/L			06/18/26 00:40	1
Chloroform	ND		1.0	0.30	ug/L			06/18/26 00:40	1
Benzene	ND		1.0	0.30	ug/L			06/18/26 00:40	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/18/26 00:40	1
Bromomethane	ND		1.0	0.30	ug/L			06/18/26 00:40	1
Chloromethane	ND		2.0	0.55	ug/L			06/18/26 00:40	1
Chloroethane	ND		1.0	0.30	ug/L			06/18/26 00:40	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/18/26 00:40	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/18/26 00:40	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/18/26 00:40	1
Bromoform	ND		4.0	1.0	ug/L			06/18/26 00:40	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/18/26 00:40	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/18/26 00:40	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/18/26 00:40	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/18/26 00:40	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/18/26 00:40	1
Freon 113	ND	^c cn	10	0.30	ug/L			06/18/26 00:40	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/18/26 00:40	1
2-Butanone	ND		10	1.0	ug/L			06/18/26 00:40	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/18/26 00:40	1
Trichloroethene	2.5		1.0	0.30	ug/L			06/18/26 00:40	1
Methyl acetate	ND		5.0	0.60	ug/L			06/18/26 00:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/18/26 00:40	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/18/26 00:40	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/18/26 00:40	1
Isopropylbenzene	ND	^c cn	5.0	0.30	ug/L			06/18/26 00:40	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: SMP-4

Lab Sample ID: 410-286769-16

Date Collected: 06/04/26 14:45

Matrix: Water

Date Received: 06/04/26 16:42

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		06/18/26 00:40	1
Dibromofluoromethane (Surr)	101		80 - 120		06/18/26 00:40	1
4-Bromofluorobenzene (Surr)	97		80 - 120		06/18/26 00:40	1
Toluene-d8 (Surr)	101		80 - 120		06/18/26 00:40	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.76		0.10	0.050	mg/L			06/10/26 13:16	10

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	17		2.0	1.0	mg/L			06/18/26 12:30	10

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	23		3.4	0.93	ng/L		06/15/26 16:38	06/17/26 10:27	1
Perfluoropentanoic acid (PFPeA)	77		1.7	0.51	ng/L		06/15/26 16:38	06/17/26 10:27	1
Perfluorohexanoic acid (PFHxA)	56		1.7	0.42	ng/L		06/15/26 16:38	06/17/26 10:27	1
Perfluoroheptanoic acid (PFHpA)	20		1.7	0.68	ng/L		06/15/26 16:38	06/17/26 10:27	1
Perfluorooctanoic acid (PFOA)	17		1.7	0.76	ng/L		06/15/26 16:38	06/17/26 10:27	1
Perfluorononanoic acid (PFNA)	5.8		1.7	0.42	ng/L		06/15/26 16:38	06/17/26 10:27	1
Perfluorodecanoic acid (PFDA)	ND		1.7	0.42	ng/L		06/15/26 16:38	06/17/26 10:27	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.42	ng/L		06/15/26 16:38	06/17/26 10:27	1
Perfluorododecanoic acid (PFDoA)	ND		1.7	0.42	ng/L		06/15/26 16:38	06/17/26 10:27	1
Perfluorotridecanoic acid (PFTriDA)	ND		1.7	0.42	ng/L		06/15/26 16:38	06/17/26 10:27	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.7	0.42	ng/L		06/15/26 16:38	06/17/26 10:27	1
Perfluorobutanesulfonic acid (PFBS)	0.63	J	1.7	0.42	ng/L		06/15/26 16:38	06/17/26 10:27	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.7	0.42	ng/L		06/15/26 16:38	06/17/26 10:27	1
Perfluorohexanesulfonic acid (PFHxS)	0.77	J	1.7	0.68	ng/L		06/15/26 16:38	06/17/26 10:27	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.7	0.42	ng/L		06/15/26 16:38	06/17/26 10:27	1
Perfluorooctanesulfonic acid (PFOS)	2.3		1.7	1.1	ng/L		06/15/26 16:38	06/17/26 10:27	1
Perfluorononanesulfonic acid (PFNS)	ND		1.7	0.42	ng/L		06/15/26 16:38	06/17/26 10:27	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.42	ng/L		06/15/26 16:38	06/17/26 10:27	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.7	0.51	ng/L		06/15/26 16:38	06/17/26 10:27	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.4	0.84	ng/L		06/15/26 16:38	06/17/26 10:27	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	60		3.4	0.84	ng/L		06/15/26 16:38	06/17/26 10:27	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.4	0.84	ng/L		06/15/26 16:38	06/17/26 10:27	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.7	0.42	ng/L		06/15/26 16:38	06/17/26 10:27	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.7	0.42	ng/L		06/15/26 16:38	06/17/26 10:27	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.7	0.93	ng/L		06/15/26 16:38	06/17/26 10:27	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.7	0.42	ng/L		06/15/26 16:38	06/17/26 10:27	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: SMP-4

Lab Sample ID: 410-286769-16

Date Collected: 06/04/26 14:45

Matrix: Water

Date Received: 06/04/26 16:42

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.7	0.42	ng/L		06/15/26 16:38	06/17/26 10:27	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.4	3.4	ng/L		06/15/26 16:38	06/17/26 10:27	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.4	3.4	ng/L		06/15/26 16:38	06/17/26 10:27	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.7	1.2	ng/L		06/15/26 16:38	06/17/26 10:27	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.7	0.42	ng/L		06/15/26 16:38	06/17/26 10:27	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.7	0.42	ng/L		06/15/26 16:38	06/17/26 10:27	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.7	0.42	ng/L		06/15/26 16:38	06/17/26 10:27	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.7	0.42	ng/L		06/15/26 16:38	06/17/26 10:27	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.7	0.42	ng/L		06/15/26 16:38	06/17/26 10:27	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.7	0.42	ng/L		06/15/26 16:38	06/17/26 10:27	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.7	0.42	ng/L		06/15/26 16:38	06/17/26 10:27	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.4	0.84	ng/L		06/15/26 16:38	06/17/26 10:27	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	4.6 J		8.4	2.4	ng/L		06/15/26 16:38	06/17/26 10:27	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.4	2.1	ng/L		06/15/26 16:38	06/17/26 10:27	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	86.5		5 - 130	06/15/26 16:38	06/17/26 10:27	1
13C5 PFPeA	76.2		40 - 130	06/15/26 16:38	06/17/26 10:27	1
13C5 PFHxA	77.9		40 - 130	06/15/26 16:38	06/17/26 10:27	1
13C4 PFHpA	78.7		40 - 130	06/15/26 16:38	06/17/26 10:27	1
13C8 PFOA	86.2		40 - 130	06/15/26 16:38	06/17/26 10:27	1
13C9 PFNA	82.5		40 - 130	06/15/26 16:38	06/17/26 10:27	1
13C6 PFDA	83.1		40 - 130	06/15/26 16:38	06/17/26 10:27	1
13C7 PFUnA	77.0		30 - 130	06/15/26 16:38	06/17/26 10:27	1
13C2 PFTeDA	67.4		10 - 130	06/15/26 16:38	06/17/26 10:27	1
13C3 PFBS	81.3		40 - 135	06/15/26 16:38	06/17/26 10:27	1
13C3 PFHxS	78.7		40 - 130	06/15/26 16:38	06/17/26 10:27	1
13C8 PFOS	81.1		40 - 130	06/15/26 16:38	06/17/26 10:27	1
13C8 FOSA	69.9		40 - 130	06/15/26 16:38	06/17/26 10:27	1
d3-NMeFOSAA	75.4		40 - 170	06/15/26 16:38	06/17/26 10:27	1
d5-NEtFOSAA	63.4		25 - 135	06/15/26 16:38	06/17/26 10:27	1
13C2 4:2 FTS	101		40 - 200	06/15/26 16:38	06/17/26 10:27	1
13C2 6:2 FTS	101		40 - 200	06/15/26 16:38	06/17/26 10:27	1
13C2 8:2 FTS	130		40 - 300	06/15/26 16:38	06/17/26 10:27	1
13C3 HFPO-DA	84.3		40 - 130	06/15/26 16:38	06/17/26 10:27	1
d7-N-MeFOSE-M	48.6		10 - 130	06/15/26 16:38	06/17/26 10:27	1
d9-N-EtFOSE-M	44.9		10 - 130	06/15/26 16:38	06/17/26 10:27	1
d5-NEtPFOSA	61.1		10 - 130	06/15/26 16:38	06/17/26 10:27	1
d3-NMePFOSA	60.9		10 - 130	06/15/26 16:38	06/17/26 10:27	1
13C2 PFDoA	74.1		10 - 130	06/15/26 16:38	06/17/26 10:27	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: SMP-4

Lab Sample ID: 410-286769-16

Date Collected: 06/04/26 14:45

Matrix: Water

Date Received: 06/04/26 16:42

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-3:3 FTCA	86.0		20 - 150	06/15/26 16:38	06/17/26 10:27	1
13C3-5:3 FTCA	73.5		20 - 150	06/15/26 16:38	06/17/26 10:27	1
13C3-PFDoS	66.4		20 - 150	06/15/26 16:38	06/17/26 10:27	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.68	cn	0.0021	0.00057	mg/L		06/09/26 15:20	06/10/26 17:12	1
Manganese	0.028	cn	0.0021	0.0013	mg/L		06/09/26 15:20	06/10/26 17:12	1
Nickel	0.84	cn	0.0010	0.00041	mg/L		06/09/26 15:20	06/10/26 17:12	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: SMP-5

Lab Sample ID: 410-286769-17

Date Collected: 06/04/26 15:00

Matrix: Water

Date Received: 06/04/26 16:42

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/18/26 01:03	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/18/26 01:03	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/18/26 01:03	1
Styrene	ND		5.0	0.30	ug/L			06/18/26 01:03	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 01:03	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/18/26 01:03	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/18/26 01:03	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/18/26 01:03	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/18/26 01:03	1
Toluene	ND		1.0	0.30	ug/L			06/18/26 01:03	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/18/26 01:03	1
Cyclohexane	ND		5.0	1.0	ug/L			06/18/26 01:03	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 01:03	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/18/26 01:03	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/18/26 01:03	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/18/26 01:03	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/18/26 01:03	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/18/26 01:03	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/18/26 01:03	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/18/26 01:03	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/18/26 01:03	1
2-Hexanone	ND		10	0.85	ug/L			06/18/26 01:03	1
Acetone	1.3	J	20	0.70	ug/L			06/18/26 01:03	1
Chloroform	ND		1.0	0.30	ug/L			06/18/26 01:03	1
Benzene	ND		1.0	0.30	ug/L			06/18/26 01:03	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/18/26 01:03	1
Bromomethane	ND		1.0	0.30	ug/L			06/18/26 01:03	1
Chloromethane	ND		2.0	0.55	ug/L			06/18/26 01:03	1
Chloroethane	ND		1.0	0.30	ug/L			06/18/26 01:03	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/18/26 01:03	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/18/26 01:03	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/18/26 01:03	1
Bromoform	ND		4.0	1.0	ug/L			06/18/26 01:03	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/18/26 01:03	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/18/26 01:03	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/18/26 01:03	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/18/26 01:03	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/18/26 01:03	1
Freon 113	ND	^c cn	10	0.30	ug/L			06/18/26 01:03	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/18/26 01:03	1
2-Butanone	ND		10	1.0	ug/L			06/18/26 01:03	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/18/26 01:03	1
Trichloroethene	0.78	J	1.0	0.30	ug/L			06/18/26 01:03	1
Methyl acetate	ND		5.0	0.60	ug/L			06/18/26 01:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/18/26 01:03	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/18/26 01:03	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/18/26 01:03	1
Isopropylbenzene	ND	^c cn	5.0	0.30	ug/L			06/18/26 01:03	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: SMP-5

Lab Sample ID: 410-286769-17

Date Collected: 06/04/26 15:00

Matrix: Water

Date Received: 06/04/26 16:42

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		06/18/26 01:03	1
Dibromofluoromethane (Surr)	101		80 - 120		06/18/26 01:03	1
4-Bromofluorobenzene (Surr)	97		80 - 120		06/18/26 01:03	1
Toluene-d8 (Surr)	102		80 - 120		06/18/26 01:03	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.23		0.010	0.0050	mg/L			06/06/26 00:08	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	3.4		1.0	0.50	mg/L			06/18/26 12:42	5

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	6.1		3.7	1.0	ng/L		06/15/26 16:38	06/17/26 10:41	1
Perfluoropentanoic acid (PFPeA)	20		1.8	0.55	ng/L		06/15/26 16:38	06/17/26 10:41	1
Perfluorohexanoic acid (PFHxA)	14		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 10:41	1
Perfluoroheptanoic acid (PFHpA)	6.4		1.8	0.73	ng/L		06/15/26 16:38	06/17/26 10:41	1
Perfluorooctanoic acid (PFOA)	6.3		1.8	0.83	ng/L		06/15/26 16:38	06/17/26 10:41	1
Perfluorononanoic acid (PFNA)	1.8		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 10:41	1
Perfluorodecanoic acid (PFDA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 10:41	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 10:41	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 10:41	1
Perfluorotridecanoic acid (PFTriDA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 10:41	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 10:41	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 10:41	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 10:41	1
Perfluorohexanesulfonic acid (PFHxS)	0.87 J		1.8	0.73	ng/L		06/15/26 16:38	06/17/26 10:41	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 10:41	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8	1.2	ng/L		06/15/26 16:38	06/17/26 10:41	1
Perfluorononanesulfonic acid (PFNS)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 10:41	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 10:41	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.55	ng/L		06/15/26 16:38	06/17/26 10:41	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.7	0.92	ng/L		06/15/26 16:38	06/17/26 10:41	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	25		3.7	0.92	ng/L		06/15/26 16:38	06/17/26 10:41	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.7	0.92	ng/L		06/15/26 16:38	06/17/26 10:41	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 10:41	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 10:41	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.8	1.0	ng/L		06/15/26 16:38	06/17/26 10:41	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 10:41	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 10:41	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: SMP-5

Lab Sample ID: 410-286769-17

Date Collected: 06/04/26 15:00

Matrix: Water

Date Received: 06/04/26 16:42

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctane	ND		9.2	3.7	ng/L		06/15/26 16:38	06/17/26 10:41	1
sulfonamidoethanol (NMeFOSE)									
N-ethylperfluorooctane	ND		9.2	3.7	ng/L		06/15/26 16:38	06/17/26 10:41	1
sulfonamidoethanol (NEtFOSE)									
Hexafluoropropylene Oxide Dimer	ND		1.8	1.3	ng/L		06/15/26 16:38	06/17/26 10:41	1
Acid (HFPO-DA)									
4,8-Dioxo-3H-perfluorononanoic acid	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 10:41	1
(ADONA)									
Perfluoro-3-methoxypropanoic acid	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 10:41	1
(PFMPA)									
Perfluoro-4-methoxybutanoic acid	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 10:41	1
(PFMBA)									
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.46	J	1.8	0.46	ng/L		06/15/26 16:38	06/17/26 10:41	1
9-Chlorohexadecafluoro-3-oxanonan	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 10:41	1
e-1-sulfonic acid (9Cl-PF3ONS)									
11-Chloroeicosafluoro-3-oxaundecan	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 10:41	1
e-1-sulfonic acid (11Cl-PF3OUdS)									
Perfluoro (2-ethoxyethane) sulfonic	ND		1.8	0.46	ng/L		06/15/26 16:38	06/17/26 10:41	1
acid (PFEESA)									
3-Perfluoropropylpropanoic acid (3:3	ND		3.7	0.92	ng/L		06/15/26 16:38	06/17/26 10:41	1
FTCA)									
3-Perfluoropentylpropanoic acid (5:3	ND		9.2	2.6	ng/L		06/15/26 16:38	06/17/26 10:41	1
FTCA)									
3-Perfluoroheptylpropanoic acid (7:3	ND		9.2	2.3	ng/L		06/15/26 16:38	06/17/26 10:41	1
FTCA)									
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	85.4		5 - 130				06/15/26 16:38	06/17/26 10:41	1
13C5 PFPeA	83.6		40 - 130				06/15/26 16:38	06/17/26 10:41	1
13C5 PFHxA	84.0		40 - 130				06/15/26 16:38	06/17/26 10:41	1
13C4 PFHpA	87.4		40 - 130				06/15/26 16:38	06/17/26 10:41	1
13C8 PFOA	82.7		40 - 130				06/15/26 16:38	06/17/26 10:41	1
13C9 PFNA	79.1		40 - 130				06/15/26 16:38	06/17/26 10:41	1
13C6 PFDA	73.8		40 - 130				06/15/26 16:38	06/17/26 10:41	1
13C7 PFUnA	66.4		30 - 130				06/15/26 16:38	06/17/26 10:41	1
13C2 PFTeDA	41.2		10 - 130				06/15/26 16:38	06/17/26 10:41	1
13C3 PFBS	80.3		40 - 135				06/15/26 16:38	06/17/26 10:41	1
13C3 PFHxS	76.8		40 - 130				06/15/26 16:38	06/17/26 10:41	1
13C8 PFOS	71.7		40 - 130				06/15/26 16:38	06/17/26 10:41	1
13C8 FOSA	68.5		40 - 130				06/15/26 16:38	06/17/26 10:41	1
d3-NMeFOSAA	64.3		40 - 170				06/15/26 16:38	06/17/26 10:41	1
d5-NEtFOSAA	54.9		25 - 135				06/15/26 16:38	06/17/26 10:41	1
13C2 4:2 FTS	86.7		40 - 200				06/15/26 16:38	06/17/26 10:41	1
13C2 6:2 FTS	91.1		40 - 200				06/15/26 16:38	06/17/26 10:41	1
13C2 8:2 FTS	131		40 - 300				06/15/26 16:38	06/17/26 10:41	1
13C3 HFPO-DA	93.7		40 - 130				06/15/26 16:38	06/17/26 10:41	1
d7-N-MeFOSE-M	38.1		10 - 130				06/15/26 16:38	06/17/26 10:41	1
d9-N-EtFOSE-M	34.3		10 - 130				06/15/26 16:38	06/17/26 10:41	1
d5-NEtPFOSA	49.3		10 - 130				06/15/26 16:38	06/17/26 10:41	1
d3-NMePFOSA	52.9		10 - 130				06/15/26 16:38	06/17/26 10:41	1
13C2 PFDaA	58.8		10 - 130				06/15/26 16:38	06/17/26 10:41	1
13C3-3:3 FTCA	85.7		20 - 150				06/15/26 16:38	06/17/26 10:41	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: SMP-5

Lab Sample ID: 410-286769-17

Date Collected: 06/04/26 15:00

Matrix: Water

Date Received: 06/04/26 16:42

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-5:3 FTCA	83.9		20 - 150	06/15/26 16:38	06/17/26 10:41	1
13C3-PFDoS	48.5		20 - 150	06/15/26 16:38	06/17/26 10:41	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.22	cn	0.0021	0.00057	mg/L		06/09/26 15:20	06/10/26 17:14	1
Manganese	ND	cn	0.0021	0.0013	mg/L		06/09/26 15:20	06/10/26 17:14	1
Nickel	0.078	cn	0.0010	0.00041	mg/L		06/09/26 15:20	06/10/26 17:14	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: Trip Blank

Lab Sample ID: 410-286769-18

Date Collected: 06/04/26 00:00

Matrix: Water

Date Received: 06/04/26 16:42

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/17/26 00:08	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/17/26 00:08	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/17/26 00:08	1
Styrene	ND		5.0	0.30	ug/L			06/17/26 00:08	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/17/26 00:08	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/17/26 00:08	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/17/26 00:08	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/17/26 00:08	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/17/26 00:08	1
Toluene	ND		1.0	0.30	ug/L			06/17/26 00:08	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/17/26 00:08	1
Cyclohexane	ND		5.0	1.0	ug/L			06/17/26 00:08	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/17/26 00:08	1
Dibromochloromethane	ND	^c cn	1.0	0.20	ug/L			06/17/26 00:08	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/17/26 00:08	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/17/26 00:08	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/17/26 00:08	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/17/26 00:08	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/17/26 00:08	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/17/26 00:08	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			06/17/26 00:08	1
2-Hexanone	ND		10	0.85	ug/L			06/17/26 00:08	1
Acetone	ND	^c cn	20	0.70	ug/L			06/17/26 00:08	1
Chloroform	ND		1.0	0.30	ug/L			06/17/26 00:08	1
Benzene	ND		1.0	0.30	ug/L			06/17/26 00:08	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/17/26 00:08	1
Bromomethane	ND		1.0	0.30	ug/L			06/17/26 00:08	1
Chloromethane	ND		2.0	0.55	ug/L			06/17/26 00:08	1
Chloroethane	ND		1.0	0.30	ug/L			06/17/26 00:08	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/17/26 00:08	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/17/26 00:08	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/17/26 00:08	1
Bromoform	ND	^c cn	4.0	1.0	ug/L			06/17/26 00:08	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/17/26 00:08	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/17/26 00:08	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/17/26 00:08	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/17/26 00:08	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/17/26 00:08	1
Freon 113	ND		10	0.30	ug/L			06/17/26 00:08	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/17/26 00:08	1
2-Butanone	ND		10	1.0	ug/L			06/17/26 00:08	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/17/26 00:08	1
Trichloroethene	ND		1.0	0.30	ug/L			06/17/26 00:08	1
Methyl acetate	ND		5.0	0.60	ug/L			06/17/26 00:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/17/26 00:08	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/17/26 00:08	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/17/26 00:08	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/17/26 00:08	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: Trip Blank

Lab Sample ID: 410-286769-18

Date Collected: 06/04/26 00:00

Matrix: Water

Date Received: 06/04/26 16:42

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	110		80 - 120		06/17/26 00:08	1
Dibromofluoromethane (Surr)	113		80 - 120		06/17/26 00:08	1
4-Bromofluorobenzene (Surr)	95		80 - 120		06/17/26 00:08	1
Toluene-d8 (Surr)	97		80 - 120		06/17/26 00:08	1

Surrogate Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (80-120)	DBFM (80-120)	BFB (80-120)	TOL (80-120)
410-286769-1	MW-20R	103	102	99	102
410-286769-2	MW-68	100	99	98	104
410-286769-2 - DL	MW-68	99	100	99	102
410-286769-2 - DL2	MW-68	101 cn	111 cn	87 cn	92 cn
410-286769-3	MW-71	98	101	96	105
410-286769-4	MW-69	101	100	97	104
410-286769-4 - DL	MW-69	100	101	98	102
410-286769-5	MW-70	101	103	98	103
410-286769-5 - DL	MW-70	97 cn	111 cn	87 cn	91 cn
410-286769-6	MW-21	99 cn	94 cn	98 cn	96 cn
410-286769-7	MW-16	109	116	97	97
410-286769-8	MW-1	112	119	96	98
410-286769-8 MS	MW-1	106	111	98	99
410-286769-8 MSD	MW-1	105	110	100	99
410-286769-9	MW-36	108	113	100	98
410-286769-11	MW-6	109	117	99	96
410-286769-12	MW-9	109	115	97	97
410-286769-13	SMP-1	107	116	97	96
410-286769-14	SMP-2R	109	118	95	95
410-286769-15	SMP-3	100	102	100	103
410-286769-15 - RA	SMP-3	104	111	88	90
410-286769-16	SMP-4	102	101	97	101
410-286769-17	SMP-5	101	101	97	102
410-286769-18	Trip Blank	110	113	95	97
LCS 410-836381/4	Lab Control Sample	102	107	98	101
LCS 410-837167/4	Lab Control Sample	99	91	100	99
LCS 410-837183/7	Lab Control Sample	103	102	100	103
LCS 410-837367/8	Lab Control Sample	100	108	93	95
LCS 410-837429/4	Lab Control Sample	104	99	97	101
LCSD 410-836381/5	Lab Control Sample Dup	104	105	98	101
LCSD 410-837167/5	Lab Control Sample Dup	101	93	99	99
LCSD 410-837429/5	Lab Control Sample Dup	105	100	97	102
MB 410-836381/7	Method Blank	109	116	96	98
MB 410-837167/7	Method Blank	102	94	97	95
MB 410-837183/6	Method Blank	100	102	101	102
MB 410-837367/7	Method Blank	108	109	87	91
MB 410-837429/8	Method Blank	104	99	100	101

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
DBFM = Dibromofluoromethane (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)

Isotope Dilution Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (5-130)	PFPeA (40-130)	13C5PHA (40-130)	C4PFHA (40-130)	C8PFOA (40-130)	C9PFNA (40-130)	C6PFDA (40-130)	13C7PUA (30-130)
410-286769-1	MW-20R	98.3	80.8	83.3	85.7	91.5	84.2	76.6	82.0
410-286769-2	MW-68	93.4	78.8	77.4	77.5	86.2	75.1	51.9	30.6
410-286769-3	MW-71	91.2	81.1	77.1	82.4	80.4	71.7	58.9	43.0
410-286769-4	MW-69	90.2 cn	62.9 cn	67.8 cn	65.2 cn	90.8 cn	83.0 cn	69.8 cn	52.0 cn
410-286769-5	MW-70	88.6	66.7	70.8	68.8	88.7	78.2	59.0	38.9
410-286769-6	MW-21	98.0	92.3	92.0	90.6	77.9	75.9	68.9	67.7
410-286769-6 MS	MW-21	89.3 cn	90.8 cn	92.4 cn	91.0 cn	90.9 cn	83.4 cn	77.2 cn	74.5 cn
410-286769-6 MSD	MW-21	87.9 cn	92.0 cn	88.8 cn	91.3 cn	84.2 cn	78.0 cn	76.9 cn	79.8 cn
410-286769-7	MW-16	91.3	83.3	81.0	85.6	92.4	83.5	74.9	72.5
410-286769-8	MW-1	91.9	86.6	89.9	89.8	87.4	79.2	70.7	56.1
410-286769-8 MS	MW-1	94.0	88.2	90.6	90.5	93.6	88.6	86.3	81.7
410-286769-8 MSD	MW-1	92.8	93.8	86.4	90.4	89.9	88.9	82.0	80.2
410-286769-9	MW-36	88.8 cn	70.4 cn	68.6 cn	67.0 cn	80.6 cn	69.6 cn	55.8 cn	35.3 cn
410-286769-11	MW-6	91.9	57.1	66.0	64.3	87.1	73.3	51.7	45.6
410-286769-12	MW-9	102	96.4	95.5	94.3	94.3	80.3	59.1	44.4
410-286769-13	SMP-1	104	92.0	88.3	85.6	87.6	78.2	67.7	69.2
410-286769-14	SMP-2R	79.1 cn	74.2 cn	80.8 cn	76.3 cn	84.8 cn	75.1 cn	58.3 cn	41.0 cn
410-286769-15	SMP-3	85.6	80.8	82.2	82.1	87.8	84.3	74.7	66.8
410-286769-16	SMP-4	86.5	76.2	77.9	78.7	86.2	82.5	83.1	77.0
410-286769-17	SMP-5	85.4	83.6	84.0	87.4	82.7	79.1	73.8	66.4
LCS 410-835582/17-A	Lab Control Sample	92.9	82.2	95.2	87.9	84.9	81.5	85.0	84.7
LLCS 410-835582/18-A	Lab Control Sample	87.1	82.2	86.7	92.0	84.3	79.2	76.8	75.3
MB 410-835582/16-A	Method Blank	85.3	84.4	80.7	90.8	83.4	81.1	75.9	79.9
		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFTDA (10-130)	C3PFBS (40-135)	C3PFHS (40-130)	C8PFOS (40-130)	PFOSA (40-130)	d3NMFOS (40-170)	d5NEFOS (25-135)	M242FTS (40-200)
410-286769-1	MW-20R	75.2	87.6	85.8	82.6	72.2	66.5	61.4	137
410-286769-2	MW-68	29.1	90.0	73.6	34.7 *5- cn	54.8	43.2	37.7	147
410-286769-3	MW-71	24.8	79.2	70.9	40.6	60.4	49.8	43.6	106
410-286769-4	MW-69	20.7 cn	88.7 cn	86.1 cn	76.0 cn	61.3 cn	60.6 cn	48.3 cn	174 cn
410-286769-5	MW-70	23.2	89.5	79.6	42.0	53.7	58.8	50.7	196
410-286769-6	MW-21	60.1	91.9	82.6	74.8	67.3	55.9	52.3	107
410-286769-6 MS	MW-21	63.4 cn	89.2 cn	87.0 cn	81.2 cn	75.8 cn	67.1 cn	62.2 cn	106 cn
410-286769-6 MSD	MW-21	65.9 cn	85.3 cn	80.8 cn	73.6 cn	68.6 cn	61.4 cn	56.8 cn	115 cn
410-286769-7	MW-16	54.5	87.0	87.7	80.7	68.7	59.1	54.9	138
410-286769-8	MW-1	39.8	85.8	83.0	79.1	64.0	50.8	40.8	93.9
410-286769-8 MS	MW-1	68.7	94.4	90.8	89.8	78.5	74.4	64.8	97.5
410-286769-8 MSD	MW-1	69.3	85.9	84.3	86.3	75.2	70.3	63.2	97.9
410-286769-9	MW-36	8.32 *5- cn	80.9 cn	77.7 cn	48.7 cn	34.4 *5- cn	41.9 cn	35.4 cn	189 cn
410-286769-11	MW-6	49.2	86.6	73.1	47.3	53.3	59.5	52.8	252 *5+ cn
410-286769-12	MW-9	27.3	92.7	82.8	44.7	72.4	51.5	44.5	131
410-286769-13	SMP-1	66.7	88.6	79.9	67.9	68.6	63.8	55.4	115
410-286769-14	SMP-2R	13.2 cn	74.6 cn	77.7 cn	64.8 cn	45.1 cn	40.4 cn	34.8 cn	115 cn
410-286769-15	SMP-3	47.7	81.7	80.3	75.2	63.6	62.3	54.4	97.8
410-286769-16	SMP-4	67.4	81.3	78.7	81.1	69.9	75.4	63.4	101
410-286769-17	SMP-5	41.2	80.3	76.8	71.7	68.5	64.3	54.9	86.7
LCS 410-835582/17-A	Lab Control Sample	71.2	81.9	81.7	86.3	71.8	69.5	64.4	95.6

Eurofins Lancaster Laboratories Environment Testing, LLC

Isotope Dilution Summary

Client: Groundwater & Environmental Services Inc

Job ID: 410-286769-1

Project/Site: GTAC-Bishop Tube

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFTDA (10-130)	C3PFBS (40-135)	C3PFHS (40-130)	C8PFOS (40-130)	PFOSA (40-130)	d3NMFOS (40-170)	d5NEFOS (25-135)	M242FTS (40-200)
LLCS 410-835582/18-A	Lab Control Sample	68.0	81.2	81.5	82.5	65.8	66.2	61.2	89.6
MB 410-835582/16-A	Method Blank	59.6	76.0	74.3	77.4	66.8	60.5	55.3	86.6
		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M262FTS (40-200)	M282FTS (40-300)	HFPODA (40-130)	NMFM (10-130)	NEFM (10-130)	d5NPFSA (10-130)	d3NMFSA (10-130)	PFDaA (10-130)
410-286769-1	MW-20R	115	136	89.1	55.6	58.4	63.5	66.5	86.3
410-286769-2	MW-68	105	121	73.3	33.3	32.6	34.8	37.0	23.5
410-286769-3	MW-71	87.5	93.3	83.9	34.9	31.5	37.5	41.3	28.9
410-286769-4	MW-69	179 cn	137 cn	65.4 cn	21.8 cn	18.7 cn	26.7 cn	32.9 cn	35.1 cn
410-286769-5	MW-70	145	149	69.4	32.9	29.1	34.4	36.1	25.9
410-286769-6	MW-21	89.0	121	104	42.7	42.5	56.3	59.0	65.3
410-286769-6 MS	MW-21	98.0 cn	130 cn	93.5 cn	47.0 cn	46.6 cn	65.3 cn	67.8 cn	65.5 cn
410-286769-6 MSD	MW-21	101 cn	130 cn	95.6 cn	48.2 cn	46.4 cn	59.5 cn	62.6 cn	70.5 cn
410-286769-7	MW-16	155	138	79.8	44.8	43.7	49.6	52.2	59.7
410-286769-8	MW-1	105	117	96.3	33.6	30.5	32.7	35.8	37.3
410-286769-8 MS	MW-1	95.0	150	100	60.6	58.0	62.0	65.8	77.9
410-286769-8 MSD	MW-1	106	141	105	54.6	52.8	64.4	65.2	77.1
410-286769-9	MW-36	185 cn	116 cn	74.5 cn	7.74 *5- cn	5.83 *5- cn	6.72 *5- cn	8.05 *5- cn	15.0 cn
410-286769-11	MW-6	175	123	63.1	35.4	33.9	41.5	40.7	41.3
410-286769-12	MW-9	100	113	94.8	42.1	40.1	37.5	42.5	31.9
410-286769-13	SMP-1	97.8	120	89.3	50.5	45.9	56.6	59.6	70.5
410-286769-14	SMP-2R	142 cn	111 cn	78.4 cn	14.4 cn	11.6 cn	14.6 cn	18.8 cn	23.0 cn
410-286769-15	SMP-3	89.1	129	88.6	37.0	33.0	46.1	48.2	55.6
410-286769-16	SMP-4	101	130	84.3	48.6	44.9	61.1	60.9	74.1
410-286769-17	SMP-5	91.1	131	93.7	38.1	34.3	49.3	52.9	58.8
LCS 410-835582/17-A	Lab Control Sample	90.2	128	95.1	49.3	45.4	65.8	66.7	84.1
LLCS 410-835582/18-A	Lab Control Sample	90.0	134	88.8	54.9	55.5	57.7	59.2	73.7
MB 410-835582/16-A	Method Blank	88.4	126	85.6	46.3	44.5	52.7	58.2	68.4
		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	3-3:3 FTC/ (20-150)	3-5:3 FTC/ (20-150)	3C3-PFDoS (20-150)					
410-286769-1	MW-20R	89.5	86.9	72.2					
410-286769-2	MW-68	93.0	85.1	27.4					
410-286769-3	MW-71	93.6	81.4	22.9					
410-286769-4	MW-69	77.4 cn	78.4 cn	23.5 cn					
410-286769-5	MW-70	85.6	84.0	21.9					
410-286769-6	MW-21	100	88.5	60.5					
410-286769-6 MS	MW-21	103 cn	92.3 cn	67.5 cn					
410-286769-6 MSD	MW-21	107 cn	87.8 cn	64.7 cn					
410-286769-7	MW-16	87.7	86.0	57.0					
410-286769-8	MW-1	97.9	81.1	39.9					
410-286769-8 MS	MW-1	89.3	83.6	76.1					
410-286769-8 MSD	MW-1	98.7	91.3	72.3					
410-286769-9	MW-36	83.5 cn	72.4 cn	7.74 *5- cn					
410-286769-11	MW-6	74.8	98.4	46.2					
410-286769-12	MW-9	114	95.4	29.2					
410-286769-13	SMP-1	89.8	85.7	65.2					

Eurofins Lancaster Laboratories Environment Testing, LLC

Isotope Dilution Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)		
		13C3-3:3 FTCA (20-150)	13C3-5:3 FTCA (20-150)	13C3-PFDoS (20-150)
410-286769-14	SMP-2R	80.6 cn	64.5 cn	13.6 *5- cn
410-286769-15	SMP-3	86.4	80.2	49.4
410-286769-16	SMP-4	86.0	73.5	66.4
410-286769-17	SMP-5	85.7	83.9	48.5
LCS 410-835582/17-A	Lab Control Sample	89.3	69.5	70.2
LLCS 410-835582/18-A	Lab Control Sample	81.0	74.4	67.4
MB 410-835582/16-A	Method Blank	81.2	78.1	59.1

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M242FTS = 13C2 4:2 FTS
M262FTS = 13C2 6:2 FTS
M282FTS = 13C2 8:2 FTS
HFPODA = 13C3 HFPO-DA
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
d5NPFSA = d5-NEtPFOSA
d3NMFSA = d3-NMePFOSA
PFDaA = 13C2 PFDaA
C3-3:3 FTCA = 13C3-3:3 FTCA
C3-5:3 FTCA = 13C3-5:3 FTCA
13C3-PFDoS = 13C3-PFDoS

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 410-836381/7

Matrix: Water

Analysis Batch: 836381

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/16/26 23:06	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/16/26 23:06	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/16/26 23:06	1
Styrene	ND		5.0	0.30	ug/L			06/16/26 23:06	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/16/26 23:06	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/16/26 23:06	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/16/26 23:06	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/16/26 23:06	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/16/26 23:06	1
Toluene	ND		1.0	0.30	ug/L			06/16/26 23:06	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/16/26 23:06	1
Cyclohexane	ND		5.0	1.0	ug/L			06/16/26 23:06	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/16/26 23:06	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/16/26 23:06	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/16/26 23:06	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/16/26 23:06	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/16/26 23:06	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/16/26 23:06	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/16/26 23:06	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/16/26 23:06	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/16/26 23:06	1
2-Hexanone	ND		10	0.85	ug/L			06/16/26 23:06	1
Acetone	ND		20	0.70	ug/L			06/16/26 23:06	1
Chloroform	ND		1.0	0.30	ug/L			06/16/26 23:06	1
Benzene	ND		1.0	0.30	ug/L			06/16/26 23:06	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/16/26 23:06	1
Bromomethane	ND		1.0	0.30	ug/L			06/16/26 23:06	1
Chloromethane	ND		2.0	0.55	ug/L			06/16/26 23:06	1
Chloroethane	ND		1.0	0.30	ug/L			06/16/26 23:06	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/16/26 23:06	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/16/26 23:06	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/16/26 23:06	1
Bromoform	ND		4.0	1.0	ug/L			06/16/26 23:06	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/16/26 23:06	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/16/26 23:06	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/16/26 23:06	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/16/26 23:06	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/16/26 23:06	1
Freon 113	ND		10	0.30	ug/L			06/16/26 23:06	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/16/26 23:06	1
2-Butanone	ND		10	1.0	ug/L			06/16/26 23:06	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/16/26 23:06	1
Trichloroethene	ND		1.0	0.30	ug/L			06/16/26 23:06	1
Methyl acetate	ND		5.0	0.60	ug/L			06/16/26 23:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/16/26 23:06	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/16/26 23:06	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/16/26 23:06	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/16/26 23:06	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-836381/7

Matrix: Water

Analysis Batch: 836381

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		80 - 120		06/16/26 23:06	1
Dibromofluoromethane (Surr)	116		80 - 120		06/16/26 23:06	1
4-Bromofluorobenzene (Surr)	96		80 - 120		06/16/26 23:06	1
Toluene-d8 (Surr)	98		80 - 120		06/16/26 23:06	1

Lab Sample ID: LCS 410-836381/4

Matrix: Water

Analysis Batch: 836381

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	20.0	19.2		ug/L		96	75 - 120
trans-1,3-Dichloropropene	20.0	21.1		ug/L		105	67 - 120
Ethylbenzene	20.0	19.7		ug/L		98	80 - 120
Styrene	20.0	20.1		ug/L		101	80 - 120
1,4-Dichlorobenzene	20.0	20.2		ug/L		101	80 - 120
1,2-Dibromoethane	20.0	21.2		ug/L		106	77 - 120
1,2-Dichloroethane	20.0	21.1		ug/L		106	73 - 124
4-Methyl-2-pentanone	250	263		ug/L		105	62 - 133
Methylcyclohexane	20.0	19.2		ug/L		96	60 - 121
Toluene	20.0	20.2		ug/L		101	80 - 120
Chlorobenzene	20.0	21.1		ug/L		105	80 - 120
Cyclohexane	20.0	19.2		ug/L		96	60 - 126
1,2,4-Trichlorobenzene	20.0	18.8		ug/L		94	63 - 127
Dibromochloromethane	20.0	22.9		ug/L		114	71 - 120
Xylenes, Total	60.0	59.7		ug/L		100	80 - 120
Tetrachloroethene	20.0	21.7		ug/L		108	80 - 120
cis-1,2-Dichloroethene	20.0	21.2		ug/L		106	80 - 125
trans-1,2-Dichloroethene	20.0	23.1		ug/L		115	80 - 126
Methyl tertiary butyl ether	20.0	18.5		ug/L		93	69 - 122
1,3-Dichlorobenzene	20.0	20.3		ug/L		102	80 - 120
Carbon tetrachloride	20.0	24.8		ug/L		124	64 - 134
2-Hexanone	250	286		ug/L		114	56 - 143
Acetone	250	295		ug/L		118	57 - 150
Chloroform	20.0	21.3		ug/L		106	72 - 120
Benzene	20.0	20.5		ug/L		103	80 - 120
1,1,1-Trichloroethane	20.0	22.6		ug/L		113	73 - 120
Bromomethane	20.0	17.8		ug/L		89	61 - 128
Chloromethane	20.0	15.3		ug/L		76	48 - 134
Chloroethane	20.0	18.7		ug/L		94	67 - 123
Vinyl chloride	20.0	15.9		ug/L		80	56 - 120
Methylene Chloride	20.0	23.1		ug/L		115	80 - 120
Carbon disulfide	20.0	23.4		ug/L		117	55 - 139
Bromoform	20.0	23.6		ug/L		118	63 - 128
Bromodichloromethane	20.0	21.3		ug/L		106	71 - 120
1,1-Dichloroethane	20.0	22.2		ug/L		111	80 - 126
1,1-Dichloroethene	20.0	23.8		ug/L		119	80 - 131
Trichlorofluoromethane	20.0	17.1		ug/L		85	57 - 120
Dichlorodifluoromethane	20.0	15.5		ug/L		78	40 - 127

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-836381/4

Matrix: Water

Analysis Batch: 836381

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Freon 113	20.0	22.7		ug/L		114	57 - 122
1,2-Dichloropropane	20.0	20.1		ug/L		101	80 - 120
2-Butanone	250	244		ug/L		98	59 - 135
1,1,2-Trichloroethane	20.0	21.2		ug/L		106	80 - 120
Trichloroethene	20.0	20.2		ug/L		101	80 - 120
Methyl acetate	20.0	25.2		ug/L		126	55 - 157
1,1,2,2-Tetrachloroethane	20.0	19.1		ug/L		96	72 - 127
1,2-Dichlorobenzene	20.0	19.7		ug/L		99	80 - 120
1,2-Dibromo-3-Chloropropane	20.0	19.3		ug/L		96	60 - 120
Isopropylbenzene	20.0	19.2		ug/L		96	80 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	107		80 - 120
4-Bromofluorobenzene (Surr)	98		80 - 120
Toluene-d8 (Surr)	101		80 - 120

Lab Sample ID: LCSD 410-836381/5

Matrix: Water

Analysis Batch: 836381

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	20.0	19.1		ug/L		96	75 - 120	1	30
trans-1,3-Dichloropropene	20.0	21.5		ug/L		107	67 - 120	2	30
Ethylbenzene	20.0	19.5		ug/L		97	80 - 120	1	30
Styrene	20.0	19.7		ug/L		99	80 - 120	2	30
1,4-Dichlorobenzene	20.0	20.6		ug/L		103	80 - 120	2	30
1,2-Dibromoethane	20.0	21.4		ug/L		107	77 - 120	1	30
1,2-Dichloroethane	20.0	19.6		ug/L		98	73 - 124	7	30
4-Methyl-2-pentanone	250	258		ug/L		103	62 - 133	2	30
Methylcyclohexane	20.0	19.0		ug/L		95	60 - 121	1	30
Toluene	20.0	19.9		ug/L		100	80 - 120	1	30
Chlorobenzene	20.0	21.0		ug/L		105	80 - 120	0	30
Cyclohexane	20.0	18.8		ug/L		94	60 - 126	2	30
1,2,4-Trichlorobenzene	20.0	19.9		ug/L		99	63 - 127	5	30
Dibromochloromethane	20.0	22.4		ug/L		112	71 - 120	2	30
Xylenes, Total	60.0	59.0		ug/L		98	80 - 120	1	30
Tetrachloroethene	20.0	21.4		ug/L		107	80 - 120	1	30
cis-1,2-Dichloroethene	20.0	21.3		ug/L		106	80 - 125	0	30
trans-1,2-Dichloroethene	20.0	22.9		ug/L		114	80 - 126	1	30
Methyl tertiary butyl ether	20.0	18.6		ug/L		93	69 - 122	0	30
1,3-Dichlorobenzene	20.0	20.2		ug/L		101	80 - 120	0	30
Carbon tetrachloride	20.0	24.0		ug/L		120	64 - 134	3	30
2-Hexanone	250	281		ug/L		112	56 - 143	2	30
Acetone	250	264		ug/L		106	57 - 150	11	30
Chloroform	20.0	20.8		ug/L		104	72 - 120	2	30
Benzene	20.0	20.2		ug/L		101	80 - 120	2	30
1,1,1-Trichloroethane	20.0	22.6		ug/L		113	73 - 120	0	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-836381/5

Matrix: Water

Analysis Batch: 836381

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromomethane	20.0	17.6		ug/L		88	61 - 128	1	30
Chloromethane	20.0	14.8		ug/L		74	48 - 134	3	30
Chloroethane	20.0	18.7		ug/L		93	67 - 123	0	30
Vinyl chloride	20.0	15.8		ug/L		79	56 - 120	1	30
Methylene Chloride	20.0	22.9		ug/L		114	80 - 120	1	30
Carbon disulfide	20.0	22.4		ug/L		112	55 - 139	4	30
Bromoform	20.0	23.2		ug/L		116	63 - 128	2	30
Bromodichloromethane	20.0	21.3		ug/L		107	71 - 120	0	30
1,1-Dichloroethane	20.0	22.0		ug/L		110	80 - 126	1	30
1,1-Dichloroethene	20.0	23.6		ug/L		118	80 - 131	1	30
Trichlorofluoromethane	20.0	16.7		ug/L		83	57 - 120	2	30
Dichlorodifluoromethane	20.0	15.4		ug/L		77	40 - 127	1	30
Freon 113	20.0	22.2		ug/L		111	57 - 122	2	30
1,2-Dichloropropane	20.0	20.1		ug/L		100	80 - 120	0	30
2-Butanone	250	237		ug/L		95	59 - 135	3	30
1,1,2-Trichloroethane	20.0	21.4		ug/L		107	80 - 120	1	30
Trichloroethene	20.0	19.7		ug/L		99	80 - 120	2	30
Methyl acetate	20.0	24.5		ug/L		122	55 - 157	3	30
1,1,2,2-Tetrachloroethane	20.0	19.6		ug/L		98	72 - 127	2	30
1,2-Dichlorobenzene	20.0	20.1		ug/L		100	80 - 120	2	30
1,2-Dibromo-3-Chloropropane	20.0	19.3		ug/L		96	60 - 120	0	30
Isopropylbenzene	20.0	19.5		ug/L		97	80 - 132	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	105		80 - 120
4-Bromofluorobenzene (Surr)	98		80 - 120
Toluene-d8 (Surr)	101		80 - 120

Lab Sample ID: 410-286769-8 MS

Matrix: Water

Analysis Batch: 836381

Client Sample ID: MW-1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	ND		20.0	18.6		ug/L		93	75 - 120
trans-1,3-Dichloropropene	ND		20.0	21.0		ug/L		105	67 - 120
Ethylbenzene	ND		20.0	20.4		ug/L		102	80 - 120
Styrene	ND		20.0	20.5		ug/L		102	80 - 120
1,4-Dichlorobenzene	ND		20.0	20.7		ug/L		103	80 - 120
1,2-Dibromoethane	ND		20.0	20.8		ug/L		104	77 - 120
1,2-Dichloroethane	ND		20.0	21.7		ug/L		109	73 - 124
4-Methyl-2-pentanone	ND		250	254		ug/L		102	62 - 133
Methylcyclohexane	ND		20.0	21.1		ug/L		106	60 - 121
Toluene	ND		20.0	20.9		ug/L		105	80 - 120
Chlorobenzene	ND		20.0	21.5		ug/L		108	80 - 120
Cyclohexane	ND		20.0	20.8		ug/L		104	60 - 126
1,2,4-Trichlorobenzene	ND		20.0	18.7		ug/L		94	63 - 127
Dibromochloromethane	ND	^c cn	20.0	22.2		ug/L		111	71 - 120

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 410-286769-8 MS

Matrix: Water

Analysis Batch: 836381

Client Sample ID: MW-1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Xylenes, Total	ND		60.0	61.6		ug/L		103	80 - 120
Tetrachloroethene	ND		20.0	23.1		ug/L		116	80 - 120
cis-1,2-Dichloroethene	ND		20.0	22.6		ug/L		113	80 - 125
trans-1,2-Dichloroethene	ND	FH	20.0	25.1		ug/L		126	80 - 126
Methyl tertiary butyl ether	ND		20.0	18.3		ug/L		92	69 - 122
1,3-Dichlorobenzene	ND		20.0	20.8		ug/L		104	80 - 120
Carbon tetrachloride	ND	^c FH cn	20.0	27.2	FH	ug/L		136	64 - 134
2-Hexanone	ND		250	273		ug/L		109	56 - 143
Acetone	ND	^c cn	250	275		ug/L		110	57 - 150
Chloroform	ND		20.0	22.7		ug/L		113	72 - 120
Benzene	ND		20.0	21.9		ug/L		110	80 - 120
1,1,1-Trichloroethane	ND	FH	20.0	24.1		ug/L		120	73 - 120
Bromomethane	ND		20.0	18.3		ug/L		91	61 - 128
Chloromethane	ND		20.0	15.4		ug/L		77	48 - 134
Chloroethane	ND		20.0	19.5		ug/L		97	67 - 123
Vinyl chloride	ND		20.0	16.9		ug/L		84	56 - 120
Methylene Chloride	ND		20.0	22.8		ug/L		114	80 - 120
Carbon disulfide	ND		20.0	24.0		ug/L		120	55 - 139
Bromoform	ND	^c cn	20.0	22.3		ug/L		112	63 - 128
Bromodichloromethane	ND		20.0	22.4		ug/L		112	71 - 120
1,1-Dichloroethane	ND		20.0	23.4		ug/L		117	80 - 126
1,1-Dichloroethene	ND		20.0	24.8		ug/L		124	80 - 131
Trichlorofluoromethane	ND		20.0	18.6		ug/L		93	57 - 120
Dichlorodifluoromethane	ND		20.0	16.6		ug/L		83	40 - 127
Freon 113	ND	FH	20.0	24.8	FH	ug/L		124	57 - 122
1,2-Dichloropropane	ND		20.0	21.0		ug/L		105	80 - 120
2-Butanone	ND		250	236		ug/L		94	59 - 135
1,1,2-Trichloroethane	ND		20.0	21.1		ug/L		106	80 - 120
Trichloroethene	ND		20.0	21.9		ug/L		109	80 - 120
Methyl acetate	ND		20.0	24.3		ug/L		121	55 - 157
1,1,2,2-Tetrachloroethane	ND		20.0	18.9		ug/L		94	72 - 127
1,2-Dichlorobenzene	ND		20.0	19.7		ug/L		98	80 - 120
1,2-Dibromo-3-Chloropropane	ND		20.0	18.4		ug/L		92	60 - 120
Isopropylbenzene	ND		20.0	20.4		ug/L		102	80 - 132
Surrogate	%Recovery	MS Qualifier	MS Limits						
1,2-Dichloroethane-d4 (Surr)	106		80 - 120						
Dibromofluoromethane (Surr)	111		80 - 120						
4-Bromofluorobenzene (Surr)	98		80 - 120						
Toluene-d8 (Surr)	99		80 - 120						

Lab Sample ID: 410-286769-8 MSD

Matrix: Water

Analysis Batch: 836381

Client Sample ID: MW-1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	ND		20.0	18.7		ug/L		93	75 - 120	0	30
trans-1,3-Dichloropropene	ND		20.0	20.8		ug/L		104	67 - 120	1	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 410-286769-8 MSD

Matrix: Water

Analysis Batch: 836381

Client Sample ID: MW-1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylbenzene	ND		20.0	20.8		ug/L		104	80 - 120	2	30
Styrene	ND		20.0	20.7		ug/L		104	80 - 120	1	30
1,4-Dichlorobenzene	ND		20.0	20.8		ug/L		104	80 - 120	1	30
1,2-Dibromoethane	ND		20.0	21.4		ug/L		107	77 - 120	3	30
1,2-Dichloroethane	ND		20.0	21.5		ug/L		107	73 - 124	1	30
4-Methyl-2-pentanone	ND		250	263		ug/L		105	62 - 133	3	30
Methylcyclohexane	ND		20.0	22.1		ug/L		111	60 - 121	5	30
Toluene	ND		20.0	20.7		ug/L		103	80 - 120	1	30
Chlorobenzene	ND		20.0	21.8		ug/L		109	80 - 120	1	30
Cyclohexane	ND		20.0	21.8		ug/L		109	60 - 126	4	30
1,2,4-Trichlorobenzene	ND		20.0	19.9		ug/L		100	63 - 127	6	30
Dibromochloromethane	ND	^c cn	20.0	22.3		ug/L		111	71 - 120	0	30
Xylenes, Total	ND		60.0	63.4		ug/L		106	80 - 120	3	30
Tetrachloroethene	ND		20.0	23.1		ug/L		115	80 - 120	0	30
cis-1,2-Dichloroethene	ND		20.0	23.1		ug/L		115	80 - 125	2	30
trans-1,2-Dichloroethene	ND	FH	20.0	25.6	FH	ug/L		128	80 - 126	2	30
Methyl tertiary butyl ether	ND		20.0	19.2		ug/L		96	69 - 122	5	30
1,3-Dichlorobenzene	ND		20.0	21.3		ug/L		107	80 - 120	3	30
Carbon tetrachloride	ND	^c FH cn	20.0	27.6	FH	ug/L		138	64 - 134	2	30
2-Hexanone	ND		250	275		ug/L		110	56 - 143	1	30
Acetone	ND	^c cn	250	265		ug/L		106	57 - 150	4	30
Chloroform	ND		20.0	22.8		ug/L		114	72 - 120	1	30
Benzene	ND		20.0	21.9		ug/L		109	80 - 120	0	30
1,1,1-Trichloroethane	ND	FH	20.0	25.0	FH	ug/L		125	73 - 120	4	30
Bromomethane	ND		20.0	19.2		ug/L		96	61 - 128	5	30
Chloromethane	ND		20.0	15.9		ug/L		80	48 - 134	3	30
Chloroethane	ND		20.0	20.3		ug/L		102	67 - 123	4	30
Vinyl chloride	ND		20.0	17.7		ug/L		89	56 - 120	5	30
Methylene Chloride	ND		20.0	23.9		ug/L		119	80 - 120	4	30
Carbon disulfide	ND		20.0	25.4		ug/L		127	55 - 139	6	30
Bromoform	ND	^c cn	20.0	23.7		ug/L		118	63 - 128	6	30
Bromodichloromethane	ND		20.0	22.4		ug/L		112	71 - 120	0	30
1,1-Dichloroethane	ND		20.0	23.9		ug/L		119	80 - 126	2	30
1,1-Dichloroethene	ND		20.0	25.5		ug/L		127	80 - 131	3	30
Trichlorofluoromethane	ND		20.0	19.5		ug/L		97	57 - 120	5	30
Dichlorodifluoromethane	ND		20.0	18.0		ug/L		90	40 - 127	8	30
Freon 113	ND	FH	20.0	25.7	FH	ug/L		128	57 - 122	3	30
1,2-Dichloropropane	ND		20.0	21.5		ug/L		107	80 - 120	2	30
2-Butanone	ND		250	240		ug/L		96	59 - 135	1	30
1,1,2-Trichloroethane	ND		20.0	21.1		ug/L		106	80 - 120	0	30
Trichloroethene	ND		20.0	22.1		ug/L		110	80 - 120	1	30
Methyl acetate	ND		20.0	23.4		ug/L		117	55 - 157	4	30
1,1,2,2-Tetrachloroethane	ND		20.0	19.5		ug/L		97	72 - 127	3	30
1,2-Dichlorobenzene	ND		20.0	20.6		ug/L		103	80 - 120	5	30
1,2-Dibromo-3-Chloropropane	ND		20.0	19.7		ug/L		98	60 - 120	7	30
Isopropylbenzene	ND		20.0	20.8		ug/L		104	80 - 132	2	30

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 410-286769-8 MSD

Matrix: Water

Analysis Batch: 836381

Client Sample ID: MW-1

Prep Type: Total/NA

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		80 - 120
Dibromofluoromethane (Surr)	110		80 - 120
4-Bromofluorobenzene (Surr)	100		80 - 120
Toluene-d8 (Surr)	99		80 - 120

Lab Sample ID: MB 410-837167/7

Matrix: Water

Analysis Batch: 837167

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/17/26 21:58	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/17/26 21:58	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/17/26 21:58	1
Styrene	ND		5.0	0.30	ug/L			06/17/26 21:58	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/17/26 21:58	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/17/26 21:58	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/17/26 21:58	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/17/26 21:58	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/17/26 21:58	1
Toluene	ND		1.0	0.30	ug/L			06/17/26 21:58	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/17/26 21:58	1
Cyclohexane	ND		5.0	1.0	ug/L			06/17/26 21:58	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/17/26 21:58	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/17/26 21:58	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/17/26 21:58	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/17/26 21:58	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/17/26 21:58	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/17/26 21:58	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/17/26 21:58	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/17/26 21:58	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/17/26 21:58	1
2-Hexanone	ND		10	0.85	ug/L			06/17/26 21:58	1
Acetone	ND		20	0.70	ug/L			06/17/26 21:58	1
Chloroform	ND		1.0	0.30	ug/L			06/17/26 21:58	1
Benzene	ND		1.0	0.30	ug/L			06/17/26 21:58	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/17/26 21:58	1
Bromomethane	ND		1.0	0.30	ug/L			06/17/26 21:58	1
Chloromethane	ND		2.0	0.55	ug/L			06/17/26 21:58	1
Chloroethane	ND		1.0	0.30	ug/L			06/17/26 21:58	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/17/26 21:58	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/17/26 21:58	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/17/26 21:58	1
Bromoform	ND		4.0	1.0	ug/L			06/17/26 21:58	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/17/26 21:58	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/17/26 21:58	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/17/26 21:58	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/17/26 21:58	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/17/26 21:58	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-837167/7

Matrix: Water

Analysis Batch: 837167

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		10	0.30	ug/L			06/17/26 21:58	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/17/26 21:58	1
2-Butanone	ND		10	1.0	ug/L			06/17/26 21:58	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/17/26 21:58	1
Trichloroethene	ND		1.0	0.30	ug/L			06/17/26 21:58	1
Methyl acetate	ND		5.0	0.60	ug/L			06/17/26 21:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/17/26 21:58	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/17/26 21:58	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/17/26 21:58	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/17/26 21:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		06/17/26 21:58	1
Dibromofluoromethane (Surr)	94		80 - 120		06/17/26 21:58	1
4-Bromofluorobenzene (Surr)	97		80 - 120		06/17/26 21:58	1
Toluene-d8 (Surr)	95		80 - 120		06/17/26 21:58	1

Lab Sample ID: LCS 410-837167/4

Matrix: Water

Analysis Batch: 837167

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	20.0	19.2		ug/L		96	75 - 120
trans-1,3-Dichloropropene	20.0	18.7		ug/L		93	67 - 120
Ethylbenzene	20.0	18.8		ug/L		94	80 - 120
Styrene	20.0	19.0		ug/L		95	80 - 120
1,4-Dichlorobenzene	20.0	19.3		ug/L		97	80 - 120
1,2-Dibromoethane	20.0	19.4		ug/L		97	77 - 120
1,2-Dichloroethane	20.0	19.7		ug/L		98	73 - 124
4-Methyl-2-pentanone	250	263		ug/L		105	62 - 133
Methylcyclohexane	20.0	16.4		ug/L		82	60 - 121
Toluene	20.0	19.0		ug/L		95	80 - 120
Chlorobenzene	20.0	19.7		ug/L		99	80 - 120
Cyclohexane	20.0	18.0		ug/L		90	60 - 126
1,2,4-Trichlorobenzene	20.0	18.4		ug/L		92	63 - 127
Dibromochloromethane	20.0	18.7		ug/L		94	71 - 120
Xylenes, Total	60.0	56.5		ug/L		94	80 - 120
Tetrachloroethene	20.0	19.0		ug/L		95	80 - 120
cis-1,2-Dichloroethene	20.0	17.6		ug/L		88	80 - 125
trans-1,2-Dichloroethene	20.0	19.2		ug/L		96	80 - 126
Methyl tertiary butyl ether	20.0	19.8		ug/L		99	69 - 122
1,3-Dichlorobenzene	20.0	19.3		ug/L		97	80 - 120
Carbon tetrachloride	20.0	20.2		ug/L		101	64 - 134
2-Hexanone	250	260		ug/L		104	56 - 143
Acetone	250	234		ug/L		94	57 - 150
Chloroform	20.0	17.6		ug/L		88	72 - 120
Benzene	20.0	19.2		ug/L		96	80 - 120
1,1,1-Trichloroethane	20.0	19.3		ug/L		96	73 - 120

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-837167/4

Matrix: Water

Analysis Batch: 837167

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	20.0	18.7		ug/L		93	61 - 128
Chloromethane	20.0	16.9		ug/L		84	48 - 134
Chloroethane	20.0	19.8		ug/L		99	67 - 123
Vinyl chloride	20.0	17.1		ug/L		86	56 - 120
Methylene Chloride	20.0	20.8		ug/L		104	80 - 120
Carbon disulfide	20.0	19.4		ug/L		97	55 - 139
Bromoform	20.0	19.8		ug/L		99	63 - 128
Bromodichloromethane	20.0	19.4		ug/L		97	71 - 120
1,1-Dichloroethane	20.0	19.4		ug/L		97	80 - 126
1,1-Dichloroethene	20.0	20.4		ug/L		102	80 - 131
Trichlorofluoromethane	20.0	14.1		ug/L		71	57 - 120
Dichlorodifluoromethane	20.0	15.6		ug/L		78	40 - 127
Freon 113	20.0	18.2		ug/L		91	57 - 122
1,2-Dichloropropane	20.0	20.5		ug/L		102	80 - 120
2-Butanone	250	256		ug/L		103	59 - 135
1,1,2-Trichloroethane	20.0	19.7		ug/L		98	80 - 120
Trichloroethene	20.0	19.4		ug/L		97	80 - 120
Methyl acetate	20.0	20.7		ug/L		104	55 - 157
1,1,2,2-Tetrachloroethane	20.0	18.5		ug/L		93	72 - 127
1,2-Dichlorobenzene	20.0	19.4		ug/L		97	80 - 120
1,2-Dibromo-3-Chloropropane	20.0	19.6		ug/L		98	60 - 120
Isopropylbenzene	20.0	18.6		ug/L		93	80 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		80 - 120
Dibromofluoromethane (Surr)	91		80 - 120
4-Bromofluorobenzene (Surr)	100		80 - 120
Toluene-d8 (Surr)	99		80 - 120

Lab Sample ID: LCSD 410-837167/5

Matrix: Water

Analysis Batch: 837167

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	20.0	19.1		ug/L		96	75 - 120	1	30
trans-1,3-Dichloropropene	20.0	19.1		ug/L		95	67 - 120	2	30
Ethylbenzene	20.0	19.4		ug/L		97	80 - 120	3	30
Styrene	20.0	19.2		ug/L		96	80 - 120	1	30
1,4-Dichlorobenzene	20.0	20.0		ug/L		100	80 - 120	4	30
1,2-Dibromoethane	20.0	19.7		ug/L		98	77 - 120	1	30
1,2-Dichloroethane	20.0	20.0		ug/L		100	73 - 124	2	30
4-Methyl-2-pentanone	250	255		ug/L		102	62 - 133	3	30
Methylcyclohexane	20.0	16.7		ug/L		83	60 - 121	2	30
Toluene	20.0	19.6		ug/L		98	80 - 120	3	30
Chlorobenzene	20.0	20.2		ug/L		101	80 - 120	3	30
Cyclohexane	20.0	18.1		ug/L		90	60 - 126	0	30
1,2,4-Trichlorobenzene	20.0	18.6		ug/L		93	63 - 127	1	30
Dibromochloromethane	20.0	19.2		ug/L		96	71 - 120	2	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-837167/5

Matrix: Water

Analysis Batch: 837167

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Xylenes, Total	60.0	58.1		ug/L		97	80 - 120	3	30
Tetrachloroethene	20.0	20.0		ug/L		100	80 - 120	5	30
cis-1,2-Dichloroethene	20.0	18.8		ug/L		94	80 - 125	7	30
trans-1,2-Dichloroethene	20.0	19.8		ug/L		99	80 - 126	3	30
Methyl tertiary butyl ether	20.0	18.8		ug/L		94	69 - 122	5	30
1,3-Dichlorobenzene	20.0	19.7		ug/L		99	80 - 120	2	30
Carbon tetrachloride	20.0	20.2		ug/L		101	64 - 134	0	30
2-Hexanone	250	260		ug/L		104	56 - 143	0	30
Acetone	250	242		ug/L		97	57 - 150	3	30
Chloroform	20.0	18.7		ug/L		93	72 - 120	6	30
Benzene	20.0	20.0		ug/L		100	80 - 120	4	30
1,1,1-Trichloroethane	20.0	19.5		ug/L		97	73 - 120	1	30
Bromomethane	20.0	18.0		ug/L		90	61 - 128	4	30
Chloromethane	20.0	16.2		ug/L		81	48 - 134	4	30
Chloroethane	20.0	19.5		ug/L		98	67 - 123	2	30
Vinyl chloride	20.0	16.3		ug/L		82	56 - 120	5	30
Methylene Chloride	20.0	20.3		ug/L		102	80 - 120	2	30
Carbon disulfide	20.0	18.6		ug/L		93	55 - 139	4	30
Bromoform	20.0	19.6		ug/L		98	63 - 128	1	30
Bromodichloromethane	20.0	19.6		ug/L		98	71 - 120	1	30
1,1-Dichloroethane	20.0	20.2		ug/L		101	80 - 126	4	30
1,1-Dichloroethene	20.0	20.4		ug/L		102	80 - 131	0	30
Trichlorofluoromethane	20.0	13.8		ug/L		69	57 - 120	2	30
Dichlorodifluoromethane	20.0	15.5		ug/L		78	40 - 127	0	30
Freon 113	20.0	17.9		ug/L		89	57 - 122	2	30
1,2-Dichloropropane	20.0	20.2		ug/L		101	80 - 120	1	30
2-Butanone	250	246		ug/L		99	59 - 135	4	30
1,1,2-Trichloroethane	20.0	20.2		ug/L		101	80 - 120	3	30
Trichloroethene	20.0	20.3		ug/L		102	80 - 120	4	30
Methyl acetate	20.0	22.1		ug/L		111	55 - 157	7	30
1,1,2,2-Tetrachloroethane	20.0	18.4		ug/L		92	72 - 127	1	30
1,2-Dichlorobenzene	20.0	19.2		ug/L		96	80 - 120	1	30
1,2-Dibromo-3-Chloropropane	20.0	18.1		ug/L		90	60 - 120	8	30
Isopropylbenzene	20.0	19.1		ug/L		96	80 - 132	3	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	93		80 - 120
4-Bromofluorobenzene (Surr)	99		80 - 120
Toluene-d8 (Surr)	99		80 - 120

Lab Sample ID: MB 410-837183/6

Matrix: Water

Analysis Batch: 837183

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/17/26 21:20	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/17/26 21:20	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-837183/6

Matrix: Water

Analysis Batch: 837183

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			06/17/26 21:20	1
Styrene	ND		5.0	0.30	ug/L			06/17/26 21:20	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/17/26 21:20	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/17/26 21:20	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/17/26 21:20	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/17/26 21:20	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/17/26 21:20	1
Toluene	ND		1.0	0.30	ug/L			06/17/26 21:20	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/17/26 21:20	1
Cyclohexane	ND		5.0	1.0	ug/L			06/17/26 21:20	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/17/26 21:20	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/17/26 21:20	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/17/26 21:20	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/17/26 21:20	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/17/26 21:20	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/17/26 21:20	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/17/26 21:20	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/17/26 21:20	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/17/26 21:20	1
2-Hexanone	ND		10	0.85	ug/L			06/17/26 21:20	1
Acetone	ND		20	0.70	ug/L			06/17/26 21:20	1
Chloroform	ND		1.0	0.30	ug/L			06/17/26 21:20	1
Benzene	ND		1.0	0.30	ug/L			06/17/26 21:20	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/17/26 21:20	1
Bromomethane	ND		1.0	0.30	ug/L			06/17/26 21:20	1
Chloromethane	ND		2.0	0.55	ug/L			06/17/26 21:20	1
Chloroethane	ND		1.0	0.30	ug/L			06/17/26 21:20	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/17/26 21:20	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/17/26 21:20	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/17/26 21:20	1
Bromoform	ND		4.0	1.0	ug/L			06/17/26 21:20	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/17/26 21:20	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/17/26 21:20	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/17/26 21:20	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/17/26 21:20	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/17/26 21:20	1
Freon 113	ND		10	0.30	ug/L			06/17/26 21:20	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/17/26 21:20	1
2-Butanone	ND		10	1.0	ug/L			06/17/26 21:20	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/17/26 21:20	1
Trichloroethene	ND		1.0	0.30	ug/L			06/17/26 21:20	1
Methyl acetate	ND		5.0	0.60	ug/L			06/17/26 21:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/17/26 21:20	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/17/26 21:20	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/17/26 21:20	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/17/26 21:20	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-837183/6

Matrix: Water

Analysis Batch: 837183

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120		06/17/26 21:20	1
Dibromofluoromethane (Surr)	102		80 - 120		06/17/26 21:20	1
4-Bromofluorobenzene (Surr)	101		80 - 120		06/17/26 21:20	1
Toluene-d8 (Surr)	102		80 - 120		06/17/26 21:20	1

Lab Sample ID: LCS 410-837183/7

Matrix: Water

Analysis Batch: 837183

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	20.0	19.2		ug/L		96	75 - 120
trans-1,3-Dichloropropene	20.0	20.2		ug/L		101	67 - 120
Ethylbenzene	20.0	21.7		ug/L		108	80 - 120
Styrene	20.0	21.6		ug/L		108	80 - 120
1,4-Dichlorobenzene	20.0	21.1		ug/L		106	80 - 120
1,2-Dibromoethane	20.0	21.1		ug/L		106	77 - 120
1,2-Dichloroethane	20.0	22.1		ug/L		111	73 - 124
4-Methyl-2-pentanone	250	270		ug/L		108	62 - 133
Methylcyclohexane	20.0	22.4		ug/L		112	60 - 121
Toluene	20.0	22.0		ug/L		110	80 - 120
Chlorobenzene	20.0	21.6		ug/L		108	80 - 120
Cyclohexane	20.0	22.0		ug/L		110	60 - 126
1,2,4-Trichlorobenzene	20.0	20.6		ug/L		103	63 - 127
Dibromochloromethane	20.0	20.3		ug/L		102	71 - 120
Xylenes, Total	60.0	63.7		ug/L		106	80 - 120
Tetrachloroethene	20.0	21.6		ug/L		108	80 - 120
cis-1,2-Dichloroethene	20.0	21.3		ug/L		106	80 - 125
trans-1,2-Dichloroethene	20.0	22.9		ug/L		115	80 - 126
Methyl tertiary butyl ether	20.0	19.3		ug/L		97	69 - 122
1,3-Dichlorobenzene	20.0	21.6		ug/L		108	80 - 120
Carbon tetrachloride	20.0	22.3		ug/L		111	64 - 134
2-Hexanone	250	279		ug/L		112	56 - 143
Acetone	250	267		ug/L		107	57 - 150
Chloroform	20.0	20.8		ug/L		104	72 - 120
Benzene	20.0	21.2		ug/L		106	80 - 120
1,1,1-Trichloroethane	20.0	21.5		ug/L		108	73 - 120
Bromomethane	20.0	17.4		ug/L		87	61 - 128
Chloromethane	20.0	16.9		ug/L		85	48 - 134
Chloroethane	20.0	17.6		ug/L		88	67 - 123
Vinyl chloride	20.0	17.6		ug/L		88	56 - 120
Methylene Chloride	20.0	21.9		ug/L		110	80 - 120
Carbon disulfide	20.0	21.9		ug/L		110	55 - 139
Bromoform	20.0	18.9		ug/L		94	63 - 128
Bromodichloromethane	20.0	20.1		ug/L		100	71 - 120
1,1-Dichloroethane	20.0	23.0		ug/L		115	80 - 126
1,1-Dichloroethene	20.0	23.6		ug/L		118	80 - 131
Trichlorofluoromethane	20.0	17.0		ug/L		85	57 - 120
Dichlorodifluoromethane	20.0	17.5		ug/L		88	40 - 127

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-837183/7

Matrix: Water

Analysis Batch: 837183

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Freon 113	20.0	23.9		ug/L		120	57 - 122
1,2-Dichloropropane	20.0	21.3		ug/L		107	80 - 120
2-Butanone	250	283		ug/L		113	59 - 135
1,1,2-Trichloroethane	20.0	21.6		ug/L		108	80 - 120
Trichloroethene	20.0	21.4		ug/L		107	80 - 120
Methyl acetate	20.0	25.3		ug/L		126	55 - 157
1,1,2,2-Tetrachloroethane	20.0	21.1		ug/L		106	72 - 127
1,2-Dichlorobenzene	20.0	21.7		ug/L		108	80 - 120
1,2-Dibromo-3-Chloropropane	20.0	20.0		ug/L		100	60 - 120
Isopropylbenzene	20.0	24.6		ug/L		123	80 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		80 - 120
Dibromofluoromethane (Surr)	102		80 - 120
4-Bromofluorobenzene (Surr)	100		80 - 120
Toluene-d8 (Surr)	103		80 - 120

Lab Sample ID: MB 410-837367/7

Matrix: Water

Analysis Batch: 837367

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/18/26 10:13	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/18/26 10:13	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/18/26 10:13	1
Styrene	ND		5.0	0.30	ug/L			06/18/26 10:13	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 10:13	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/18/26 10:13	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/18/26 10:13	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/18/26 10:13	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/18/26 10:13	1
Toluene	ND		1.0	0.30	ug/L			06/18/26 10:13	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/18/26 10:13	1
Cyclohexane	ND		5.0	1.0	ug/L			06/18/26 10:13	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 10:13	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/18/26 10:13	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/18/26 10:13	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/18/26 10:13	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/18/26 10:13	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/18/26 10:13	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/18/26 10:13	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/18/26 10:13	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/18/26 10:13	1
2-Hexanone	ND		10	0.85	ug/L			06/18/26 10:13	1
Acetone	ND		20	0.70	ug/L			06/18/26 10:13	1
Chloroform	ND		1.0	0.30	ug/L			06/18/26 10:13	1
Benzene	ND		1.0	0.30	ug/L			06/18/26 10:13	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/18/26 10:13	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-837367/7

Matrix: Water

Analysis Batch: 837367

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		1.0	0.30	ug/L			06/18/26 10:13	1
Chloromethane	ND		2.0	0.55	ug/L			06/18/26 10:13	1
Chloroethane	ND		1.0	0.30	ug/L			06/18/26 10:13	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/18/26 10:13	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/18/26 10:13	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/18/26 10:13	1
Bromoform	ND		4.0	1.0	ug/L			06/18/26 10:13	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/18/26 10:13	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/18/26 10:13	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/18/26 10:13	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/18/26 10:13	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/18/26 10:13	1
Freon 113	ND		10	0.30	ug/L			06/18/26 10:13	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/18/26 10:13	1
2-Butanone	ND		10	1.0	ug/L			06/18/26 10:13	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/18/26 10:13	1
Trichloroethene	ND		1.0	0.30	ug/L			06/18/26 10:13	1
Methyl acetate	ND		5.0	0.60	ug/L			06/18/26 10:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/18/26 10:13	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/18/26 10:13	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/18/26 10:13	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/18/26 10:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		80 - 120		06/18/26 10:13	1
Dibromofluoromethane (Surr)	109		80 - 120		06/18/26 10:13	1
4-Bromofluorobenzene (Surr)	87		80 - 120		06/18/26 10:13	1
Toluene-d8 (Surr)	91		80 - 120		06/18/26 10:13	1

Lab Sample ID: LCS 410-837367/8

Matrix: Water

Analysis Batch: 837367

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	20.0	17.2		ug/L		86	75 - 120
trans-1,3-Dichloropropene	20.0	17.1		ug/L		85	67 - 120
Ethylbenzene	20.0	19.7		ug/L		98	80 - 120
Styrene	20.0	19.8		ug/L		99	80 - 120
1,4-Dichlorobenzene	20.0	20.9		ug/L		105	80 - 120
1,2-Dibromoethane	20.0	19.8		ug/L		99	77 - 120
1,2-Dichloroethane	20.0	20.0		ug/L		100	73 - 124
4-Methyl-2-pentanone	250	205		ug/L		82	62 - 133
Methylcyclohexane	20.0	19.4		ug/L		97	60 - 121
Toluene	20.0	19.5		ug/L		98	80 - 120
Chlorobenzene	20.0	20.4		ug/L		102	80 - 120
Cyclohexane	20.0	16.9		ug/L		85	60 - 126
1,2,4-Trichlorobenzene	20.0	21.1		ug/L		106	63 - 127
Dibromochloromethane	20.0	20.1		ug/L		100	71 - 120

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-837367/8

Matrix: Water

Analysis Batch: 837367

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Xylenes, Total	60.0	61.2		ug/L		102	80 - 120
Tetrachloroethene	20.0	24.7	*+	ug/L		123	80 - 120
cis-1,2-Dichloroethene	20.0	21.9		ug/L		110	80 - 125
trans-1,2-Dichloroethene	20.0	21.1		ug/L		105	80 - 126
Methyl tertiary butyl ether	20.0	18.5		ug/L		93	69 - 122
1,3-Dichlorobenzene	20.0	20.4		ug/L		102	80 - 120
Carbon tetrachloride	20.0	23.8		ug/L		119	64 - 134
2-Hexanone	250	194		ug/L		77	56 - 143
Acetone	250	229		ug/L		91	57 - 150
Chloroform	20.0	20.8		ug/L		104	72 - 120
Benzene	20.0	19.6		ug/L		98	80 - 120
1,1,1-Trichloroethane	20.0	22.8		ug/L		114	73 - 120
Bromomethane	20.0	22.5		ug/L		113	61 - 128
Chloromethane	20.0	16.4		ug/L		82	48 - 134
Chloroethane	20.0	21.0		ug/L		105	67 - 123
Vinyl chloride	20.0	18.4		ug/L		92	56 - 120
Methylene Chloride	20.0	21.1		ug/L		105	80 - 120
Carbon disulfide	20.0	22.1		ug/L		110	55 - 139
Bromoform	20.0	21.7		ug/L		108	63 - 128
Bromodichloromethane	20.0	20.0		ug/L		100	71 - 120
1,1-Dichloroethane	20.0	19.1		ug/L		95	80 - 126
1,1-Dichloroethene	20.0	22.4		ug/L		112	80 - 131
Trichlorofluoromethane	20.0	19.5		ug/L		97	57 - 120
Dichlorodifluoromethane	20.0	20.8		ug/L		104	40 - 127
Freon 113	20.0	22.1		ug/L		111	57 - 122
1,2-Dichloropropane	20.0	17.5		ug/L		88	80 - 120
2-Butanone	250	205		ug/L		82	59 - 135
1,1,2-Trichloroethane	20.0	19.4		ug/L		97	80 - 120
Trichloroethene	20.0	20.5		ug/L		102	80 - 120
Methyl acetate	20.0	17.1		ug/L		85	55 - 157
1,1,2,2-Tetrachloroethane	20.0	16.4		ug/L		82	72 - 127
1,2-Dichlorobenzene	20.0	21.2		ug/L		106	80 - 120
1,2-Dibromo-3-Chloropropane	20.0	16.5		ug/L		82	60 - 120
Isopropylbenzene	20.0	20.7		ug/L		104	80 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	108		80 - 120
4-Bromofluorobenzene (Surr)	93		80 - 120
Toluene-d8 (Surr)	95		80 - 120

Lab Sample ID: MB 410-837429/8

Matrix: Water

Analysis Batch: 837429

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/18/26 10:19	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/18/26 10:19	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-837429/8

Matrix: Water

Analysis Batch: 837429

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			06/18/26 10:19	1
Styrene	ND		5.0	0.30	ug/L			06/18/26 10:19	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 10:19	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/18/26 10:19	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/18/26 10:19	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/18/26 10:19	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/18/26 10:19	1
Toluene	ND		1.0	0.30	ug/L			06/18/26 10:19	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/18/26 10:19	1
Cyclohexane	ND		5.0	1.0	ug/L			06/18/26 10:19	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 10:19	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/18/26 10:19	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/18/26 10:19	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/18/26 10:19	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/18/26 10:19	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/18/26 10:19	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/18/26 10:19	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/18/26 10:19	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/18/26 10:19	1
2-Hexanone	ND		10	0.85	ug/L			06/18/26 10:19	1
Acetone	ND		20	0.70	ug/L			06/18/26 10:19	1
Chloroform	ND		1.0	0.30	ug/L			06/18/26 10:19	1
Benzene	ND		1.0	0.30	ug/L			06/18/26 10:19	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/18/26 10:19	1
Bromomethane	ND		1.0	0.30	ug/L			06/18/26 10:19	1
Chloromethane	ND		2.0	0.55	ug/L			06/18/26 10:19	1
Chloroethane	ND		1.0	0.30	ug/L			06/18/26 10:19	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/18/26 10:19	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/18/26 10:19	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/18/26 10:19	1
Bromoform	ND		4.0	1.0	ug/L			06/18/26 10:19	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/18/26 10:19	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/18/26 10:19	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/18/26 10:19	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/18/26 10:19	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/18/26 10:19	1
Freon 113	ND		10	0.30	ug/L			06/18/26 10:19	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/18/26 10:19	1
2-Butanone	ND		10	1.0	ug/L			06/18/26 10:19	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/18/26 10:19	1
Trichloroethene	ND		1.0	0.30	ug/L			06/18/26 10:19	1
Methyl acetate	ND		5.0	0.60	ug/L			06/18/26 10:19	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/18/26 10:19	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/18/26 10:19	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/18/26 10:19	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/18/26 10:19	1

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-837429/8

Matrix: Water

Analysis Batch: 837429

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		06/18/26 10:19	1
Dibromofluoromethane (Surr)	99		80 - 120		06/18/26 10:19	1
4-Bromofluorobenzene (Surr)	100		80 - 120		06/18/26 10:19	1
Toluene-d8 (Surr)	101		80 - 120		06/18/26 10:19	1

Lab Sample ID: LCS 410-837429/4

Matrix: Water

Analysis Batch: 837429

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	20.0	18.7		ug/L		93	75 - 120
trans-1,3-Dichloropropene	20.0	19.6		ug/L		98	67 - 120
Ethylbenzene	20.0	20.9		ug/L		104	80 - 120
Styrene	20.0	20.5		ug/L		103	80 - 120
1,4-Dichlorobenzene	20.0	21.3		ug/L		106	80 - 120
1,2-Dibromoethane	20.0	20.6		ug/L		103	77 - 120
1,2-Dichloroethane	20.0	21.2		ug/L		106	73 - 124
4-Methyl-2-pentanone	250	267		ug/L		107	62 - 133
Methylcyclohexane	20.0	20.4		ug/L		102	60 - 121
Toluene	20.0	20.8		ug/L		104	80 - 120
Chlorobenzene	20.0	21.2		ug/L		106	80 - 120
Cyclohexane	20.0	20.5		ug/L		102	60 - 126
1,2,4-Trichlorobenzene	20.0	22.7		ug/L		114	63 - 127
Dibromochloromethane	20.0	20.3		ug/L		101	71 - 120
Xylenes, Total	60.0	61.8		ug/L		103	80 - 120
Tetrachloroethene	20.0	21.1		ug/L		106	80 - 120
cis-1,2-Dichloroethene	20.0	20.3		ug/L		102	80 - 125
trans-1,2-Dichloroethene	20.0	21.3		ug/L		106	80 - 126
Methyl tertiary butyl ether	20.0	19.0		ug/L		95	69 - 122
1,3-Dichlorobenzene	20.0	21.6		ug/L		108	80 - 120
Carbon tetrachloride	20.0	20.5		ug/L		102	64 - 134
2-Hexanone	250	273		ug/L		109	56 - 143
Acetone	250	254		ug/L		102	57 - 150
Chloroform	20.0	20.1		ug/L		100	72 - 120
Benzene	20.0	20.6		ug/L		103	80 - 120
1,1,1-Trichloroethane	20.0	20.9		ug/L		104	73 - 120
Bromomethane	20.0	18.4		ug/L		92	61 - 128
Chloromethane	20.0	17.3		ug/L		87	48 - 134
Chloroethane	20.0	18.2		ug/L		91	67 - 123
Vinyl chloride	20.0	17.8		ug/L		89	56 - 120
Methylene Chloride	20.0	21.1		ug/L		105	80 - 120
Carbon disulfide	20.0	20.2		ug/L		101	55 - 139
Bromoform	20.0	18.9		ug/L		95	63 - 128
Bromodichloromethane	20.0	19.7		ug/L		99	71 - 120
1,1-Dichloroethane	20.0	22.0		ug/L		110	80 - 126
1,1-Dichloroethene	20.0	22.3		ug/L		111	80 - 131
Trichlorofluoromethane	20.0	16.5		ug/L		83	57 - 120
Dichlorodifluoromethane	20.0	17.6		ug/L		88	40 - 127

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-837429/4

Matrix: Water

Analysis Batch: 837429

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Freon 113	20.0	21.9		ug/L		109	57 - 122
1,2-Dichloropropane	20.0	20.5		ug/L		103	80 - 120
2-Butanone	250	279		ug/L		112	59 - 135
1,1,2-Trichloroethane	20.0	20.9		ug/L		104	80 - 120
Trichloroethene	20.0	20.9		ug/L		104	80 - 120
Methyl acetate	20.0	23.7		ug/L		119	55 - 157
1,1,2,2-Tetrachloroethane	20.0	21.0		ug/L		105	72 - 127
1,2-Dichlorobenzene	20.0	21.6		ug/L		108	80 - 120
1,2-Dibromo-3-Chloropropane	20.0	21.2		ug/L		106	60 - 120
Isopropylbenzene	20.0	23.5		ug/L		118	80 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	99		80 - 120
4-Bromofluorobenzene (Surr)	97		80 - 120
Toluene-d8 (Surr)	101		80 - 120

Lab Sample ID: LCSD 410-837429/5

Matrix: Water

Analysis Batch: 837429

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	20.0	18.3		ug/L		91	75 - 120	2	30
trans-1,3-Dichloropropene	20.0	19.0		ug/L		95	67 - 120	3	30
Ethylbenzene	20.0	20.3		ug/L		101	80 - 120	3	30
Styrene	20.0	20.0		ug/L		100	80 - 120	2	30
1,4-Dichlorobenzene	20.0	19.8		ug/L		99	80 - 120	7	30
1,2-Dibromoethane	20.0	20.4		ug/L		102	77 - 120	1	30
1,2-Dichloroethane	20.0	20.1		ug/L		100	73 - 124	5	30
4-Methyl-2-pentanone	250	252		ug/L		101	62 - 133	6	30
Methylcyclohexane	20.0	20.2		ug/L		101	60 - 121	1	30
Toluene	20.0	20.2		ug/L		101	80 - 120	3	30
Chlorobenzene	20.0	20.3		ug/L		102	80 - 120	4	30
Cyclohexane	20.0	20.3		ug/L		102	60 - 126	1	30
1,2,4-Trichlorobenzene	20.0	20.8		ug/L		104	63 - 127	9	30
Dibromochloromethane	20.0	19.3		ug/L		96	71 - 120	5	30
Xylenes, Total	60.0	59.8		ug/L		100	80 - 120	3	30
Tetrachloroethene	20.0	20.3		ug/L		102	80 - 120	4	30
cis-1,2-Dichloroethene	20.0	19.9		ug/L		100	80 - 125	2	30
trans-1,2-Dichloroethene	20.0	21.1		ug/L		105	80 - 126	1	30
Methyl tertiary butyl ether	20.0	17.6		ug/L		88	69 - 122	8	30
1,3-Dichlorobenzene	20.0	20.1		ug/L		100	80 - 120	7	30
Carbon tetrachloride	20.0	20.1		ug/L		101	64 - 134	2	30
2-Hexanone	250	264		ug/L		105	56 - 143	3	30
Acetone	250	249		ug/L		100	57 - 150	2	30
Chloroform	20.0	19.3		ug/L		97	72 - 120	4	30
Benzene	20.0	19.7		ug/L		98	80 - 120	5	30
1,1,1-Trichloroethane	20.0	20.2		ug/L		101	73 - 120	3	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-837429/5

Matrix: Water

Analysis Batch: 837429

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromomethane	20.0	16.9		ug/L		85	61 - 128	8	30
Chloromethane	20.0	16.0		ug/L		80	48 - 134	8	30
Chloroethane	20.0	17.6		ug/L		88	67 - 123	3	30
Vinyl chloride	20.0	16.7		ug/L		84	56 - 120	6	30
Methylene Chloride	20.0	20.2		ug/L		101	80 - 120	4	30
Carbon disulfide	20.0	19.2		ug/L		96	55 - 139	5	30
Bromoform	20.0	18.7		ug/L		94	63 - 128	1	30
Bromodichloromethane	20.0	19.4		ug/L		97	71 - 120	2	30
1,1-Dichloroethane	20.0	21.2		ug/L		106	80 - 126	4	30
1,1-Dichloroethene	20.0	21.4		ug/L		107	80 - 131	4	30
Trichlorofluoromethane	20.0	15.8		ug/L		79	57 - 120	5	30
Dichlorodifluoromethane	20.0	17.2		ug/L		86	40 - 127	3	30
Freon 113	20.0	21.3		ug/L		106	57 - 122	3	30
1,2-Dichloropropane	20.0	19.7		ug/L		98	80 - 120	4	30
2-Butanone	250	266		ug/L		106	59 - 135	5	30
1,1,2-Trichloroethane	20.0	20.6		ug/L		103	80 - 120	2	30
Trichloroethene	20.0	19.7		ug/L		98	80 - 120	6	30
Methyl acetate	20.0	24.2		ug/L		121	55 - 157	2	30
1,1,2,2-Tetrachloroethane	20.0	19.7		ug/L		99	72 - 127	6	30
1,2-Dichlorobenzene	20.0	20.2		ug/L		101	80 - 120	7	30
1,2-Dibromo-3-Chloropropane	20.0	19.1		ug/L		96	60 - 120	10	30
Isopropylbenzene	20.0	22.9		ug/L		114	80 - 132	3	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		80 - 120
Dibromofluoromethane (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	97		80 - 120
Toluene-d8 (Surr)	102		80 - 120

Method: 218.6 - Chromium, Hexavalent (Ion Chromatography)

Lab Sample ID: MB 410-830183/102

Matrix: Water

Analysis Batch: 830183

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/06/26 00:24	1

Lab Sample ID: MB 410-830183/72

Matrix: Water

Analysis Batch: 830183

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/05/26 20:36	1

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Method: 218.6 - Chromium, Hexavalent (Ion Chromatography) (Continued)

Lab Sample ID: LCS 410-830183/101

Matrix: Water

Analysis Batch: 830183

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	0.100	0.103		mg/L		103	90 - 110

Lab Sample ID: LCS 410-830183/71

Matrix: Water

Analysis Batch: 830183

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	0.100	0.0982		mg/L		98	90 - 110

Lab Sample ID: MB 410-832735/139

Matrix: Water

Analysis Batch: 832735

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/10/26 12:23	1

Lab Sample ID: LCS 410-832735/138

Matrix: Water

Analysis Batch: 832735

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	0.100	0.103		mg/L		103	90 - 110

Lab Sample ID: 410-286769-4 MS

Matrix: Water

Analysis Batch: 830183

Client Sample ID: MW-69

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	ND		0.100	0.0997		mg/L		100	75 - 125

Lab Sample ID: 410-286769-4 MSD

Matrix: Water

Analysis Batch: 830183

Client Sample ID: MW-69

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cr (VI)	ND		0.100	0.101		mg/L		101	75 - 125	1	20

Lab Sample ID: 410-286769-6 MS

Matrix: Water

Analysis Batch: 830183

Client Sample ID: MW-21

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	ND		0.100	0.101		mg/L		101	75 - 125

Lab Sample ID: 410-286769-6 MSD

Matrix: Water

Analysis Batch: 830183

Client Sample ID: MW-21

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cr (VI)	ND		0.100	0.102		mg/L		102	75 - 125	0	20

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Method: 218.6 - Chromium, Hexavalent (Ion Chromatography)

Lab Sample ID: 410-286769-14 MS

Matrix: Water

Analysis Batch: 830183

Client Sample ID: SMP-2R

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	ND		0.100	0.0960		mg/L		96	75 - 125

Lab Sample ID: 410-286769-14 MSD

Matrix: Water

Analysis Batch: 830183

Client Sample ID: SMP-2R

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cr (VI)	ND		0.100	0.0987		mg/L		99	75 - 125	3	20

Lab Sample ID: 410-286769-6 DU

Matrix: Water

Analysis Batch: 830183

Client Sample ID: MW-21

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cr (VI)	ND		ND		mg/L		NC	20

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 410-836994/51

Matrix: Water

Analysis Batch: 836994

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20	0.10	mg/L			06/17/26 11:51	1

Lab Sample ID: LCS 410-836994/49

Matrix: Water

Analysis Batch: 836994

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	1.50	1.50		mg/L		100	90 - 110

Lab Sample ID: LCSD 410-836994/50

Matrix: Water

Analysis Batch: 836994

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	1.50	1.53		mg/L		102	90 - 110	2	20

Lab Sample ID: MB 410-837675/5

Matrix: Water

Analysis Batch: 837675

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20	0.10	mg/L			06/18/26 10:25	1

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 410-837675/3

Matrix: Water

Analysis Batch: 837675

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	1.50	1.52		mg/L		101	90 - 110

Lab Sample ID: LCSD 410-837675/4

Matrix: Water

Analysis Batch: 837675

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	1.50	1.52		mg/L		101	90 - 110	0	20

Lab Sample ID: 410-286769-11 MS

Matrix: Water

Analysis Batch: 836994

Client Sample ID: MW-6

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.65		1.00	1.70		mg/L		105	90 - 110

Lab Sample ID: 410-286769-11 DU

Matrix: Water

Analysis Batch: 836994

Client Sample ID: MW-6

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	DU Result	DU Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.65			0.652		mg/L				0.1	15

Lab Sample ID: 410-286769-6 MS

Matrix: Water

Analysis Batch: 837675

Client Sample ID: MW-21

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	23	FH	10.0	34.2	E FH	mg/L		115	90 - 110

Lab Sample ID: 410-286769-6 DU

Matrix: Water

Analysis Batch: 837675

Client Sample ID: MW-21

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	DU Result	DU Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	23	FH		23.1		mg/L				1	15

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Lab Sample ID: MB 410-835582/16-A

Matrix: Water

Analysis Batch: 836397

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 835582

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.0	1.1	ng/L		06/15/26 16:38	06/17/26 05:15	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.60	ng/L		06/15/26 16:38	06/17/26 05:15	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.50	ng/L		06/15/26 16:38	06/17/26 05:15	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.80	ng/L		06/15/26 16:38	06/17/26 05:15	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.90	ng/L		06/15/26 16:38	06/17/26 05:15	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.50	ng/L		06/15/26 16:38	06/17/26 05:15	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 410-835582/16-A

Matrix: Water

Analysis Batch: 836397

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 835582

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorodecanoic acid (PFDA)	ND		2.0	0.50	ng/L		06/15/26 16:38	06/17/26 05:15	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.50	ng/L		06/15/26 16:38	06/17/26 05:15	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.50	ng/L		06/15/26 16:38	06/17/26 05:15	1
Perfluorotridecanoic acid (PFTTrDA)	ND		2.0	0.50	ng/L		06/15/26 16:38	06/17/26 05:15	1
Perfluorotetradecanoic acid (PFTeDA)	ND		2.0	0.50	ng/L		06/15/26 16:38	06/17/26 05:15	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.50	ng/L		06/15/26 16:38	06/17/26 05:15	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.50	ng/L		06/15/26 16:38	06/17/26 05:15	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.80	ng/L		06/15/26 16:38	06/17/26 05:15	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.50	ng/L		06/15/26 16:38	06/17/26 05:15	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	1.3	ng/L		06/15/26 16:38	06/17/26 05:15	1
Perfluorononanesulfonic acid (PFNS)	ND		2.0	0.50	ng/L		06/15/26 16:38	06/17/26 05:15	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.50	ng/L		06/15/26 16:38	06/17/26 05:15	1
Perfluorododecanesulfonic acid (PFDoS)	ND		2.0	0.60	ng/L		06/15/26 16:38	06/17/26 05:15	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		4.0	1.0	ng/L		06/15/26 16:38	06/17/26 05:15	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		4.0	1.0	ng/L		06/15/26 16:38	06/17/26 05:15	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		4.0	1.0	ng/L		06/15/26 16:38	06/17/26 05:15	1
Perfluorooctanesulfonamide (PFOSA)	ND		2.0	0.50	ng/L		06/15/26 16:38	06/17/26 05:15	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		2.0	0.50	ng/L		06/15/26 16:38	06/17/26 05:15	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		2.0	1.1	ng/L		06/15/26 16:38	06/17/26 05:15	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.0	0.50	ng/L		06/15/26 16:38	06/17/26 05:15	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.0	0.50	ng/L		06/15/26 16:38	06/17/26 05:15	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		10	4.0	ng/L		06/15/26 16:38	06/17/26 05:15	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		10	4.0	ng/L		06/15/26 16:38	06/17/26 05:15	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		2.0	1.4	ng/L		06/15/26 16:38	06/17/26 05:15	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.50	ng/L		06/15/26 16:38	06/17/26 05:15	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.50	ng/L		06/15/26 16:38	06/17/26 05:15	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.50	ng/L		06/15/26 16:38	06/17/26 05:15	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.50	ng/L		06/15/26 16:38	06/17/26 05:15	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		2.0	0.50	ng/L		06/15/26 16:38	06/17/26 05:15	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.50	ng/L		06/15/26 16:38	06/17/26 05:15	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.50	ng/L		06/15/26 16:38	06/17/26 05:15	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		4.0	1.0	ng/L		06/15/26 16:38	06/17/26 05:15	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 410-835582/16-A

Matrix: Water

Analysis Batch: 836397

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 835582

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		10	2.8	ng/L		06/15/26 16:38	06/17/26 05:15	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		10	2.5	ng/L		06/15/26 16:38	06/17/26 05:15	1
Isotope Dilution	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	85.3		5 - 130				06/15/26 16:38	06/17/26 05:15	1
13C5 PFPeA	84.4		40 - 130				06/15/26 16:38	06/17/26 05:15	1
13C5 PFHxA	80.7		40 - 130				06/15/26 16:38	06/17/26 05:15	1
13C4 PFHpA	90.8		40 - 130				06/15/26 16:38	06/17/26 05:15	1
13C8 PFOA	83.4		40 - 130				06/15/26 16:38	06/17/26 05:15	1
13C9 PFNA	81.1		40 - 130				06/15/26 16:38	06/17/26 05:15	1
13C6 PFDA	75.9		40 - 130				06/15/26 16:38	06/17/26 05:15	1
13C7 PFUnA	79.9		30 - 130				06/15/26 16:38	06/17/26 05:15	1
13C2 PFTeDA	59.6		10 - 130				06/15/26 16:38	06/17/26 05:15	1
13C3 PFBS	76.0		40 - 135				06/15/26 16:38	06/17/26 05:15	1
13C3 PFHxS	74.3		40 - 130				06/15/26 16:38	06/17/26 05:15	1
13C8 PFOS	77.4		40 - 130				06/15/26 16:38	06/17/26 05:15	1
13C8 FOSA	66.8		40 - 130				06/15/26 16:38	06/17/26 05:15	1
d3-NMeFOSAA	60.5		40 - 170				06/15/26 16:38	06/17/26 05:15	1
d5-NEtFOSAA	55.3		25 - 135				06/15/26 16:38	06/17/26 05:15	1
13C2 4:2 FTS	86.6		40 - 200				06/15/26 16:38	06/17/26 05:15	1
13C2 6:2 FTS	88.4		40 - 200				06/15/26 16:38	06/17/26 05:15	1
13C2 8:2 FTS	126		40 - 300				06/15/26 16:38	06/17/26 05:15	1
13C3 HFPO-DA	85.6		40 - 130				06/15/26 16:38	06/17/26 05:15	1
d7-N-MeFOSE-M	46.3		10 - 130				06/15/26 16:38	06/17/26 05:15	1
d9-N-EtFOSE-M	44.5		10 - 130				06/15/26 16:38	06/17/26 05:15	1
d5-NEtPFOSA	52.7		10 - 130				06/15/26 16:38	06/17/26 05:15	1
d3-NMePFOSA	58.2		10 - 130				06/15/26 16:38	06/17/26 05:15	1
13C2 PFDoA	68.4		10 - 130				06/15/26 16:38	06/17/26 05:15	1
13C3-3:3 FTCA	81.2		20 - 150				06/15/26 16:38	06/17/26 05:15	1
13C3-5:3 FTCA	78.1		20 - 150				06/15/26 16:38	06/17/26 05:15	1
13C3-PFDoS	59.1		20 - 150				06/15/26 16:38	06/17/26 05:15	1

Lab Sample ID: LCS 410-835582/17-A

Matrix: Water

Analysis Batch: 836397

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 835582

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	80.0	68.4		ng/L		85	70 - 140
Perfluoropentanoic acid (PFPeA)	40.0	39.1		ng/L		98	65 - 135
Perfluorohexanoic acid (PFHxA)	40.0	32.3		ng/L		81	70 - 145
Perfluoroheptanoic acid (PFHpA)	40.0	38.0		ng/L		95	70 - 150
Perfluorooctanoic acid (PFOA)	40.0	35.7		ng/L		89	70 - 150
Perfluorononanoic acid (PFNA)	40.0	36.7		ng/L		92	70 - 150
Perfluorodecanoic acid (PFDA)	40.0	37.9		ng/L		95	70 - 140
Perfluoroundecanoic acid (PFUnA)	40.0	36.3		ng/L		91	70 - 145
Perfluorododecanoic acid (PFDoA)	40.0	33.6		ng/L		84	70 - 140

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-835582/17-A

Matrix: Water

Analysis Batch: 836397

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 835582

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorotridecanoic acid (PFTTrDA)	40.0	38.9		ng/L		97	65 - 140
Perfluorotetradecanoic acid (PFTTeDA)	40.0	36.4		ng/L		91	60 - 140
Perfluorobutanesulfonic acid (PFBS)	35.5	32.2		ng/L		91	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	37.6	36.5		ng/L		97	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	36.5	31.9		ng/L		88	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	38.2	33.4		ng/L		88	70 - 150
Perfluorooctanesulfonic acid (PFOS)	37.2	31.4		ng/L		84	55 - 150
Perfluorononanesulfonic acid (PFNS)	38.5	32.8		ng/L		85	65 - 145
Perfluorodecanesulfonic acid (PFDS)	38.6	32.2		ng/L		83	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	38.8	35.8		ng/L		92	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	75.0	73.3		ng/L		98	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	76.2	74.3		ng/L		98	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	76.8	74.0		ng/L		96	60 - 150
Perfluorooctanesulfonamide (PFOSA)	40.0	36.5		ng/L		91	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	40.0	36.3		ng/L		91	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	40.0	34.4		ng/L		86	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	36.3		ng/L		91	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	35.7		ng/L		89	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	200	183		ng/L		91	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	200	185		ng/L		92	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	30.1	25.4		ng/L		84	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	31.8		ng/L		84	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	40.0	40.9		ng/L		102	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	40.0	39.7		ng/L		99	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	40.0	40.3		ng/L		101	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	37.4	31.7		ng/L		85	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	37.8	30.4		ng/L		80	55 - 160

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-835582/17-A

Matrix: Water

Analysis Batch: 836397

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 835582

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	35.7	28.7		ng/L		80	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	80.0	68.4		ng/L		85	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	200	173		ng/L		86	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	200	139		ng/L		69	50 - 145

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFBA	92.9		5 - 130
13C5 PFPeA	82.2		40 - 130
13C5 PFHxA	95.2		40 - 130
13C4 PFHpA	87.9		40 - 130
13C8 PFOA	84.9		40 - 130
13C9 PFNA	81.5		40 - 130
13C6 PFDA	85.0		40 - 130
13C7 PFUnA	84.7		30 - 130
13C2 PFTeDA	71.2		10 - 130
13C3 PFBS	81.9		40 - 135
13C3 PFHxS	81.7		40 - 130
13C8 PFOS	86.3		40 - 130
13C8 FOSA	71.8		40 - 130
d3-NMeFOSAA	69.5		40 - 170
d5-NEtFOSAA	64.4		25 - 135
13C2 4:2 FTS	95.6		40 - 200
13C2 6:2 FTS	90.2		40 - 200
13C2 8:2 FTS	128		40 - 300
13C3 HFPO-DA	95.1		40 - 130
d7-N-MeFOSE-M	49.3		10 - 130
d9-N-EtFOSE-M	45.4		10 - 130
d5-NEtPFOSA	65.8		10 - 130
d3-NMePFOSA	66.7		10 - 130
13C2 PFDaA	84.1		10 - 130
13C3-3:3 FTCA	89.3		20 - 150
13C3-5:3 FTCA	69.5		20 - 150
13C3-PFDaS	70.2		20 - 150

Lab Sample ID: LLCS 410-835582/18-A

Matrix: Water

Analysis Batch: 836397

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 835582

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	8.00	7.43		ng/L		93	70 - 140
Perfluoropentanoic acid (PFPeA)	4.00	4.08		ng/L		102	65 - 135
Perfluorohexanoic acid (PFHxA)	4.00	4.39		ng/L		110	70 - 145
Perfluoroheptanoic acid (PFHpA)	4.00	3.31		ng/L		83	70 - 150
Perfluorooctanoic acid (PFOA)	4.00	4.00		ng/L		100	70 - 150
Perfluorononanoic acid (PFNA)	4.00	4.05		ng/L		101	70 - 150
Perfluorodecanoic acid (PFDA)	4.00	4.22		ng/L		105	70 - 140

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 410-835582/18-A

Matrix: Water

Analysis Batch: 836397

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 835582

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroundecanoic acid (PFUnA)	4.00	4.03		ng/L		101	70 - 145
Perfluorododecanoic acid (PFDoA)	4.00	4.04		ng/L		101	70 - 140
Perfluorotridecanoic acid (PFTrDA)	4.00	4.36		ng/L		109	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	4.00	3.55		ng/L		89	60 - 140
Perfluorobutanesulfonic acid (PFBS)	3.55	3.46		ng/L		97	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	3.76	3.68		ng/L		98	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	3.65	3.84		ng/L		105	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	3.82	3.65		ng/L		96	70 - 150
Perfluorooctanesulfonic acid (PFOS)	3.72	3.94		ng/L		106	55 - 150
Perfluorononanesulfonic acid (PFNS)	3.85	3.66		ng/L		95	65 - 145
Perfluorodecanesulfonic acid (PFDS)	3.86	3.41		ng/L		89	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	3.88	3.85		ng/L		99	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	7.50	7.85		ng/L		105	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	7.62	7.27		ng/L		95	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	7.68	7.73		ng/L		101	60 - 150
Perfluorooctanesulfonamide (PFOSA)	4.00	4.46		ng/L		111	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	4.00	4.09		ng/L		102	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	4.00	4.01		ng/L		100	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.00	4.57		ng/L		114	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.00	4.45		ng/L		111	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	20.0	20.1		ng/L		101	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	20.0	21.4		ng/L		107	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	3.01	2.99		ng/L		99	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.78	3.56		ng/L		94	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.00	4.24		ng/L		106	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.00	4.08		ng/L		102	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.00	5.54		ng/L		139	50 - 150

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 410-835582/18-A

Matrix: Water

Analysis Batch: 836397

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 835582

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	3.74	3.54		ng/L		95	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	3.78	3.23		ng/L		86	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	3.57	3.23		ng/L		91	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	8.00	8.91		ng/L		111	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	20.0	19.8		ng/L		99	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	20.0	18.5		ng/L		93	50 - 145

Isotope Dilution	LLCS %Recovery	LLCS Qualifier	Limits
13C4 PFBA	87.1		5 - 130
13C5 PFPeA	82.2		40 - 130
13C5 PFHxA	86.7		40 - 130
13C4 PFHpA	92.0		40 - 130
13C8 PFOA	84.3		40 - 130
13C9 PFNA	79.2		40 - 130
13C6 PFDA	76.8		40 - 130
13C7 PFUnA	75.3		30 - 130
13C2 PFTeDA	68.0		10 - 130
13C3 PFBS	81.2		40 - 135
13C3 PFHxS	81.5		40 - 130
13C8 PFOS	82.5		40 - 130
13C8 FOSA	65.8		40 - 130
d3-NMeFOSAA	66.2		40 - 170
d5-NEtFOSAA	61.2		25 - 135
13C2 4:2 FTS	89.6		40 - 200
13C2 6:2 FTS	90.0		40 - 200
13C2 8:2 FTS	134		40 - 300
13C3 HFPO-DA	88.8		40 - 130
d7-N-MeFOSE-M	54.9		10 - 130
d9-N-EtFOSE-M	55.5		10 - 130
d5-NEtPFOSA	57.7		10 - 130
d3-NMePFOSA	59.2		10 - 130
13C2 PFDoA	73.7		10 - 130
13C3-3:3 FTCA	81.0		20 - 150
13C3-5:3 FTCA	74.4		20 - 150
13C3-PFDoS	67.4		20 - 150

Lab Sample ID: 410-286769-6 MS

Matrix: Water

Analysis Batch: 836397

Client Sample ID: MW-21

Prep Type: Total/NA

Prep Batch: 835582

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	4.5		75.3	73.7	cn	ng/L		92	70 - 140
Perfluoropentanoic acid (PFPeA)	17		37.6	52.5	cn	ng/L		95	65 - 135

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: 410-286769-6 MS

Matrix: Water

Analysis Batch: 836397

Client Sample ID: MW-21

Prep Type: Total/NA

Prep Batch: 835582

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorohexanoic acid (PFHxA)	11		37.6	45.3	cn	ng/L		90	70 - 145
Perfluoroheptanoic acid (PFHpA)	2.6		37.6	36.1	cn	ng/L		89	70 - 150
Perfluorooctanoic acid (PFOA)	2.5		37.6	36.0	cn	ng/L		89	70 - 150
Perfluorononanoic acid (PFNA)	1.1	J	37.6	35.3	cn	ng/L		91	70 - 150
Perfluorodecanoic acid (PFDA)	ND		37.6	38.1	cn	ng/L		101	70 - 140
Perfluoroundecanoic acid (PFUnA)	ND		37.6	32.4	cn	ng/L		86	70 - 145
Perfluorododecanoic acid (PFDoA)	ND		37.6	35.8	cn	ng/L		95	70 - 140
Perfluorotridecanoic acid (PFTrDA)	ND		37.6	34.0	cn	ng/L		90	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	ND		37.6	33.0	cn	ng/L		88	60 - 140
Perfluorobutanesulfonic acid (PFBS)	ND		33.4	32.2	cn	ng/L		96	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	ND		35.4	31.7	cn	ng/L		90	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	0.72	J	34.3	29.1	cn	ng/L		83	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	ND		35.9	35.1	cn	ng/L		98	70 - 150
Perfluorooctanesulfonic acid (PFOS)	ND		35.0	31.0	cn	ng/L		89	55 - 150
Perfluorononanesulfonic acid (PFNS)	ND		36.2	30.5	cn	ng/L		84	65 - 145
Perfluorodecanesulfonic acid (PFDS)	ND		36.3	29.7	cn	ng/L		82	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	ND		36.5	32.9	cn	ng/L		90	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		70.6	64.3	cn	ng/L		91	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	2.0	J	71.6	75.1	cn	ng/L		102	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		72.3	63.3	cn	ng/L		88	60 - 150
Perfluorooctanesulfonamide (PFOSA)	ND		37.6	34.5	cn	ng/L		92	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		37.6	33.9	cn	ng/L		90	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		37.6	33.0	cn	ng/L		88	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		37.6	34.6	cn	ng/L		92	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		37.6	33.9	cn	ng/L		90	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		188	170	cn	ng/L		90	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		188	164	cn	ng/L		87	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		28.3	26.0	cn	ng/L		92	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		35.6	31.3	cn	ng/L		88	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		37.6	36.4	cn	ng/L		97	55 - 140

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: 410-286769-6 MS

Matrix: Water

Analysis Batch: 836397

Client Sample ID: MW-21

Prep Type: Total/NA

Prep Batch: 835582

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		37.6	34.0	cn	ng/L		90	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		37.6	34.4	cn	ng/L		91	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		35.1	31.2	cn	ng/L		89	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		35.5	27.1	cn	ng/L		76	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		33.6	30.9	cn	ng/L		92	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		75.3	58.0	cn	ng/L		77	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		188	143	cn	ng/L		76	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		188	142	cn	ng/L		75	50 - 145

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	89.3	cn	5 - 130
13C5 PFPeA	90.8	cn	40 - 130
13C5 PFHxA	92.4	cn	40 - 130
13C4 PFHpA	91.0	cn	40 - 130
13C8 PFOA	90.9	cn	40 - 130
13C9 PFNA	83.4	cn	40 - 130
13C6 PFDA	77.2	cn	40 - 130
13C7 PFUnA	74.5	cn	30 - 130
13C2 PFTeDA	63.4	cn	10 - 130
13C3 PFBS	89.2	cn	40 - 135
13C3 PFHxS	87.0	cn	40 - 130
13C8 PFOS	81.2	cn	40 - 130
13C8 FOSA	75.8	cn	40 - 130
d3-NMeFOSAA	67.1	cn	40 - 170
d5-NEtFOSAA	62.2	cn	25 - 135
13C2 4:2 FTS	106	cn	40 - 200
13C2 6:2 FTS	98.0	cn	40 - 200
13C2 8:2 FTS	130	cn	40 - 300
13C3 HFPO-DA	93.5	cn	40 - 130
d7-N-MeFOSE-M	47.0	cn	10 - 130
d9-N-EtFOSE-M	46.6	cn	10 - 130
d5-NEtPFOSA	65.3	cn	10 - 130
d3-NMePFOSA	67.8	cn	10 - 130
13C2 PFDoA	65.5	cn	10 - 130
13C3-3:3 FTCA	103	cn	20 - 150
13C3-5:3 FTCA	92.3	cn	20 - 150
13C3-PFDoS	67.5	cn	20 - 150

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: 410-286769-6 MSD

Matrix: Water

Analysis Batch: 836397

Client Sample ID: MW-21

Prep Type: Total/NA

Prep Batch: 835582

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	4.5		74.3	74.5	cn	ng/L		94	70 - 140	1	30
Perfluoropentanoic acid (PFPeA)	17		37.2	49.7	cn	ng/L		88	65 - 135	6	30
Perfluorohexanoic acid (PFHxA)	11		37.2	44.9	cn	ng/L		90	70 - 145	1	30
Perfluoroheptanoic acid (PFHpA)	2.6		37.2	39.1	cn	ng/L		98	70 - 150	8	30
Perfluorooctanoic acid (PFOA)	2.5		37.2	36.0	cn	ng/L		90	70 - 150	0	30
Perfluorononanoic acid (PFNA)	1.1	J	37.2	34.1	cn	ng/L		89	70 - 150	4	30
Perfluorodecanoic acid (PFDA)	ND		37.2	36.9	cn	ng/L		99	70 - 140	3	30
Perfluoroundecanoic acid (PFUnA)	ND		37.2	32.3	cn	ng/L		87	70 - 145	0	30
Perfluorododecanoic acid (PFDoA)	ND		37.2	35.3	cn	ng/L		95	70 - 140	1	30
Perfluorotridecanoic acid (PFTTrDA)	ND		37.2	34.6	cn	ng/L		93	65 - 140	2	30
Perfluorotetradecanoic acid (PFTeDA)	ND		37.2	32.1	cn	ng/L		86	60 - 140	3	30
Perfluorobutanesulfonic acid (PFBS)	ND		33.0	30.4	cn	ng/L		92	60 - 145	6	30
Perfluoropentanesulfonic acid (PFPeS)	ND		34.9	34.5	cn	ng/L		99	65 - 140	9	30
Perfluorohexanesulfonic acid (PFHxS)	0.72	J	33.9	32.0	cn	ng/L		92	65 - 145	10	30
Perfluoroheptanesulfonic acid (PFHpS)	ND		35.5	35.7	cn	ng/L		101	70 - 150	2	30
Perfluorooctanesulfonic acid (PFOS)	ND		34.6	30.7	cn	ng/L		89	55 - 150	1	30
Perfluorononanesulfonic acid (PFNS)	ND		35.8	32.6	cn	ng/L		91	65 - 145	7	30
Perfluorodecanesulfonic acid (PFDS)	ND		35.8	31.7	cn	ng/L		89	60 - 145	7	30
Perfluorododecanesulfonic acid (PFDoS)	ND		36.1	33.6	cn	ng/L		93	50 - 145	2	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		69.7	61.5	cn	ng/L		88	70 - 145	4	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	2.0	J	70.8	69.2	cn	ng/L		95	65 - 155	8	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		71.4	67.4	cn	ng/L		94	60 - 150	6	30
Perfluorooctanesulfonamide (PFOSA)	ND		37.2	35.0	cn	ng/L		94	70 - 145	1	30
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		37.2	34.6	cn	ng/L		93	60 - 150	2	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		37.2	33.4	cn	ng/L		90	65 - 145	1	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		37.2	33.0	cn	ng/L		89	50 - 140	5	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		37.2	33.2	cn	ng/L		89	70 - 145	2	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		186	163	cn	ng/L		88	70 - 145	4	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		186	171	cn	ng/L		92	70 - 135	4	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		28.0	27.0	cn	ng/L		97	70 - 140	4	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: 410-286769-6 MSD

Matrix: Water

Analysis Batch: 836397

Client Sample ID: MW-21

Prep Type: Total/NA

Prep Batch: 835582

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		35.2	29.6	cn	ng/L		84	65 - 145	6	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		37.2	35.6	cn	ng/L		96	55 - 140	2	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		37.2	32.5	cn	ng/L		88	60 - 150	4	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		37.2	38.9	cn	ng/L		105	50 - 150	12	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		34.7	31.5	cn	ng/L		91	70 - 155	1	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		35.1	30.3	cn	ng/L		86	55 - 160	11	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	ND		33.2	31.0	cn	ng/L		93	70 - 140	0	30
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		74.3	57.9	cn	ng/L		78	65 - 130	0	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		186	154	cn	ng/L		83	70 - 135	7	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		186	146	cn	ng/L		78	50 - 145	3	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFBA	87.9	cn	5 - 130
13C5 PFPeA	92.0	cn	40 - 130
13C5 PFHxA	88.8	cn	40 - 130
13C4 PFHpA	91.3	cn	40 - 130
13C8 PFOA	84.2	cn	40 - 130
13C9 PFNA	78.0	cn	40 - 130
13C6 PFDA	76.9	cn	40 - 130
13C7 PFUnA	79.8	cn	30 - 130
13C2 PFTeDA	65.9	cn	10 - 130
13C3 PFBS	85.3	cn	40 - 135
13C3 PFHxS	80.8	cn	40 - 130
13C8 PFOS	73.6	cn	40 - 130
13C8 FOSA	68.6	cn	40 - 130
d3-NMeFOSAA	61.4	cn	40 - 170
d5-NEtFOSAA	56.8	cn	25 - 135
13C2 4:2 FTS	115	cn	40 - 200
13C2 6:2 FTS	101	cn	40 - 200
13C2 8:2 FTS	130	cn	40 - 300
13C3 HFPO-DA	95.6	cn	40 - 130
d7-N-MeFOSE-M	48.2	cn	10 - 130
d9-N-EtFOSE-M	46.4	cn	10 - 130
d5-NEtPFOSA	59.5	cn	10 - 130
d3-NMePFOSA	62.6	cn	10 - 130
13C2 PFDaA	70.5	cn	10 - 130
13C3-3:3 FTCA	107	cn	20 - 150
13C3-5:3 FTCA	87.8	cn	20 - 150
13C3-PFDaS	64.7	cn	20 - 150

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: 410-286769-8 MS

Matrix: Water

Analysis Batch: 836397

Client Sample ID: MW-1

Prep Type: Total/NA

Prep Batch: 835582

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	3.6		67.0	66.1		ng/L		93	70 - 140
Perfluoropentanoic acid (PFPeA)	4.2		33.5	36.0		ng/L		95	65 - 135
Perfluorohexanoic acid (PFHxA)	3.7		33.5	33.1		ng/L		88	70 - 145
Perfluoroheptanoic acid (PFHpA)	2.2		33.5	34.2		ng/L		95	70 - 150
Perfluorooctanoic acid (PFOA)	6.2		33.5	37.8		ng/L		94	70 - 150
Perfluorononanoic acid (PFNA)	1.2 J		33.5	31.7		ng/L		91	70 - 150
Perfluorodecanoic acid (PFDA)	ND		33.5	32.3		ng/L		97	70 - 140
Perfluoroundecanoic acid (PFUnA)	ND		33.5	30.1		ng/L		90	70 - 145
Perfluorododecanoic acid (PFDoA)	ND		33.5	30.7		ng/L		92	70 - 140
Perfluorotridecanoic acid (PFTTrDA)	ND		33.5	31.6		ng/L		94	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	ND		33.5	32.8		ng/L		98	60 - 140
Perfluorobutanesulfonic acid (PFBS)	1.2 J		29.7	28.2		ng/L		91	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	ND		31.5	28.8		ng/L		92	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	1.8		30.5	28.6		ng/L		88	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	ND		31.9	29.2		ng/L		91	70 - 150
Perfluorooctanesulfonic acid (PFOS)	2.1 I cn		31.1	29.4		ng/L		88	55 - 150
Perfluorononanesulfonic acid (PFNS)	ND		32.2	28.7		ng/L		89	65 - 145
Perfluorodecanesulfonic acid (PFDS)	ND		32.3	27.6		ng/L		85	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	ND		32.5	29.6		ng/L		91	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		62.8	61.5		ng/L		98	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		63.8	62.0		ng/L		97	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		64.3	58.6		ng/L		91	60 - 150
Perfluorooctanesulfonamide (PFOSA)	ND		33.5	30.9		ng/L		92	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		33.5	29.9		ng/L		89	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		33.5	30.1		ng/L		90	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		33.5	30.7		ng/L		92	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		33.5	32.6		ng/L		97	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		167	148		ng/L		88	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		167	150		ng/L		90	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		25.2	22.6		ng/L		90	70 - 140

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: 410-286769-8 MS

Matrix: Water

Analysis Batch: 836397

Client Sample ID: MW-1

Prep Type: Total/NA

Prep Batch: 835582

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		31.7	26.1		ng/L		82	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		33.5	31.9		ng/L		95	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		33.5	31.4		ng/L		94	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		33.5	32.3		ng/L		97	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		31.3	28.0		ng/L		90	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		31.6	25.6		ng/L		81	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	ND		29.9	27.7		ng/L		93	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		67.0	57.1		ng/L		85	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		167	135		ng/L		80	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		167	143		ng/L		85	50 - 145

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	94.0		5 - 130
13C5 PFPeA	88.2		40 - 130
13C5 PFHxA	90.6		40 - 130
13C4 PFHpA	90.5		40 - 130
13C8 PFOA	93.6		40 - 130
13C9 PFNA	88.6		40 - 130
13C6 PFDA	86.3		40 - 130
13C7 PFUnA	81.7		30 - 130
13C2 PFTeDA	68.7		10 - 130
13C3 PFBS	94.4		40 - 135
13C3 PFHxS	90.8		40 - 130
13C8 PFOS	89.8		40 - 130
13C8 FOSA	78.5		40 - 130
d3-NMeFOSAA	74.4		40 - 170
d5-NEtFOSAA	64.8		25 - 135
13C2 4:2 FTS	97.5		40 - 200
13C2 6:2 FTS	95.0		40 - 200
13C2 8:2 FTS	150		40 - 300
13C3 HFPO-DA	100		40 - 130
d7-N-MeFOSE-M	60.6		10 - 130
d9-N-EtFOSE-M	58.0		10 - 130
d5-NEtPFOSA	62.0		10 - 130
d3-NMePFOSA	65.8		10 - 130
13C2 PFDaA	77.9		10 - 130
13C3-3:3 FTCA	89.3		20 - 150
13C3-5:3 FTCA	83.6		20 - 150
13C3-PFDoS	76.1		20 - 150

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: 410-286769-8 MSD

Matrix: Water

Analysis Batch: 836397

Client Sample ID: MW-1

Prep Type: Total/NA

Prep Batch: 835582

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Perfluorobutanoic acid (PFBA)	3.6		69.2	68.0		ng/L		93	70 - 140	3	30
Perfluoropentanoic acid (PFPeA)	4.2		34.6	36.8		ng/L		94	65 - 135	2	30
Perfluorohexanoic acid (PFHxA)	3.7		34.6	36.1		ng/L		93	70 - 145	9	30
Perfluoroheptanoic acid (PFHpA)	2.2		34.6	34.9		ng/L		95	70 - 150	2	30
Perfluorooctanoic acid (PFOA)	6.2		34.6	35.1		ng/L		83	70 - 150	8	30
Perfluorononanoic acid (PFNA)	1.2 J		34.6	32.7		ng/L		91	70 - 150	3	30
Perfluorodecanoic acid (PFDA)	ND		34.6	32.0		ng/L		92	70 - 140	1	30
Perfluoroundecanoic acid (PFUnA)	ND		34.6	34.4		ng/L		99	70 - 145	14	30
Perfluorododecanoic acid (PFDoA)	ND		34.6	31.5		ng/L		91	70 - 140	3	30
Perfluorotridecanoic acid (PFTTrDA)	ND		34.6	32.9		ng/L		95	65 - 140	4	30
Perfluorotetradecanoic acid (PFTeDA)	ND		34.6	27.7		ng/L		80	60 - 140	17	30
Perfluorobutanesulfonic acid (PFBS)	1.2 J		30.7	30.5		ng/L		95	60 - 145	8	30
Perfluoropentanesulfonic acid (PFPeS)	ND		32.5	32.7		ng/L		100	65 - 140	13	30
Perfluorohexanesulfonic acid (PFHxS)	1.8		31.6	30.3		ng/L		90	65 - 145	6	30
Perfluoroheptanesulfonic acid (PFHpS)	ND		33.0	30.7		ng/L		93	70 - 150	5	30
Perfluorooctanesulfonic acid (PFOS)	2.1 I cn		32.2	30.0		ng/L		87	55 - 150	2	30
Perfluorononanesulfonic acid (PFNS)	ND		33.3	28.7		ng/L		86	65 - 145	0	30
Perfluorodecanesulfonic acid (PFDS)	ND		33.4	28.5		ng/L		86	60 - 145	3	30
Perfluorododecanesulfonic acid (PFDoS)	ND		33.6	29.9		ng/L		89	50 - 145	1	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		64.9	61.0		ng/L		94	70 - 145	1	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		65.9	57.6		ng/L		87	65 - 155	7	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		66.4	60.6		ng/L		91	60 - 150	3	30
Perfluorooctanesulfonamide (PFOSA)	ND		34.6	32.0		ng/L		92	70 - 145	4	30
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		34.6	32.7		ng/L		95	60 - 150	9	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		34.6	31.4		ng/L		91	65 - 145	4	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		34.6	32.1		ng/L		93	50 - 140	4	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		34.6	32.8		ng/L		95	70 - 145	1	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		173	148		ng/L		86	70 - 145	0	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		173	151		ng/L		87	70 - 135	0	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		26.0	23.0		ng/L		88	70 - 140	2	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: 410-286769-8 MSD

Matrix: Water

Analysis Batch: 836397

Client Sample ID: MW-1

Prep Type: Total/NA

Prep Batch: 835582

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		32.7	26.2		ng/L		80	65 - 145	0	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		34.6	32.4		ng/L		94	55 - 140	1	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		34.6	30.9		ng/L		89	60 - 150	2	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		34.6	30.4		ng/L		88	50 - 150	6	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		32.3	28.8		ng/L		89	70 - 155	3	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		32.7	26.2		ng/L		80	55 - 160	2	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	ND		30.9	30.1		ng/L		98	70 - 140	8	30
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		69.2	58.3		ng/L		84	65 - 130	2	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		173	133		ng/L		77	70 - 135	1	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		173	151		ng/L		87	50 - 145	5	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFBA	92.8		5 - 130
13C5 PFPeA	93.8		40 - 130
13C5 PFHxA	86.4		40 - 130
13C4 PFHpA	90.4		40 - 130
13C8 PFOA	89.9		40 - 130
13C9 PFNA	88.9		40 - 130
13C6 PFDA	82.0		40 - 130
13C7 PFUnA	80.2		30 - 130
13C2 PFTeDA	69.3		10 - 130
13C3 PFBS	85.9		40 - 135
13C3 PFHxS	84.3		40 - 130
13C8 PFOS	86.3		40 - 130
13C8 FOSA	75.2		40 - 130
d3-NMeFOSAA	70.3		40 - 170
d5-NEtFOSAA	63.2		25 - 135
13C2 4:2 FTS	97.9		40 - 200
13C2 6:2 FTS	106		40 - 200
13C2 8:2 FTS	141		40 - 300
13C3 HFPO-DA	105		40 - 130
d7-N-MeFOSE-M	54.6		10 - 130
d9-N-EtFOSE-M	52.8		10 - 130
d5-NEtPFOSA	64.4		10 - 130
d3-NMePFOSA	65.2		10 - 130
13C2 PFDaA	77.1		10 - 130
13C3-3:3 FTCA	98.7		20 - 150
13C3-5:3 FTCA	91.3		20 - 150
13C3-PFDaS	72.3		20 - 150

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 410-831712/1-A

Matrix: Water

Analysis Batch: 833090

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 831712

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0021	0.00057	mg/L		06/09/26 15:20	06/10/26 15:09	1
Manganese	ND		0.0021	0.0013	mg/L		06/09/26 15:20	06/10/26 15:09	1
Nickel	ND		0.0010	0.00041	mg/L		06/09/26 15:20	06/10/26 15:09	1

Lab Sample ID: LCS 410-831712/2-A

Matrix: Water

Analysis Batch: 833090

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 831712

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	0.500	0.509		mg/L		102	84 - 113
Manganese	0.500	0.514		mg/L		103	84 - 113
Nickel	0.500	0.506		mg/L		101	85 - 113

Lab Sample ID: 410-286769-6 MS

Matrix: Water

Analysis Batch: 833090

Client Sample ID: MW-21

Prep Type: Dissolved

Prep Batch: 831712

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	ND	cn	0.500	0.519	cn	mg/L		104	75 - 125
Manganese	0.11	cn	0.500	0.606	cn	mg/L		99	75 - 125
Nickel	0.073	cn	0.500	0.607	cn	mg/L		107	75 - 125

Lab Sample ID: 410-286769-6 MSD

Matrix: Water

Analysis Batch: 833090

Client Sample ID: MW-21

Prep Type: Dissolved

Prep Batch: 831712

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium	ND	cn	0.500	0.500	cn	mg/L		100	75 - 125	4	20
Manganese	0.11	cn	0.500	0.586	cn	mg/L		95	75 - 125	3	20
Nickel	0.073	cn	0.500	0.568	cn	mg/L		99	75 - 125	7	20

Lab Sample ID: 410-286769-6 DU

Matrix: Water

Analysis Batch: 833090

Client Sample ID: MW-21

Prep Type: Dissolved

Prep Batch: 831712

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chromium	ND	cn	ND	cn	mg/L		NC	20
Manganese	0.11	cn	0.110	cn	mg/L		2	20
Nickel	0.073	cn	0.0720	cn	mg/L		1	20

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

GC/MS VOA

Analysis Batch: 836381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286769-7	MW-16	Total/NA	Water	8260D	
410-286769-8	MW-1	Total/NA	Water	8260D	
410-286769-9	MW-36	Total/NA	Water	8260D	
410-286769-11	MW-6	Total/NA	Water	8260D	
410-286769-12	MW-9	Total/NA	Water	8260D	
410-286769-13	SMP-1	Total/NA	Water	8260D	
410-286769-14	SMP-2R	Total/NA	Water	8260D	
410-286769-18	Trip Blank	Total/NA	Water	8260D	
MB 410-836381/7	Method Blank	Total/NA	Water	8260D	
LCS 410-836381/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-836381/5	Lab Control Sample Dup	Total/NA	Water	8260D	
410-286769-8 MS	MW-1	Total/NA	Water	8260D	
410-286769-8 MSD	MW-1	Total/NA	Water	8260D	

Analysis Batch: 837167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286769-6	MW-21	Total/NA	Water	8260D	
MB 410-837167/7	Method Blank	Total/NA	Water	8260D	
LCS 410-837167/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-837167/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 837183

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286769-1	MW-20R	Total/NA	Water	8260D	
410-286769-2	MW-68	Total/NA	Water	8260D	
410-286769-2 - DL	MW-68	Total/NA	Water	8260D	
410-286769-3	MW-71	Total/NA	Water	8260D	
410-286769-4	MW-69	Total/NA	Water	8260D	
410-286769-5	MW-70	Total/NA	Water	8260D	
410-286769-15	SMP-3	Total/NA	Water	8260D	
410-286769-16	SMP-4	Total/NA	Water	8260D	
410-286769-17	SMP-5	Total/NA	Water	8260D	
MB 410-837183/6	Method Blank	Total/NA	Water	8260D	
LCS 410-837183/7	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 837367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286769-2 - DL2	MW-68	Total/NA	Water	8260D	
410-286769-5 - DL	MW-70	Total/NA	Water	8260D	
410-286769-15 - RA	SMP-3	Total/NA	Water	8260D	
MB 410-837367/7	Method Blank	Total/NA	Water	8260D	
LCS 410-837367/8	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 837429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286769-4 - DL	MW-69	Total/NA	Water	8260D	
MB 410-837429/8	Method Blank	Total/NA	Water	8260D	
LCS 410-837429/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-837429/5	Lab Control Sample Dup	Total/NA	Water	8260D	

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

HPLC/IC

Analysis Batch: 830183

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286769-1	MW-20R	Dissolved	Water	218.6	
410-286769-2	MW-68	Dissolved	Water	218.6	
410-286769-3	MW-71	Dissolved	Water	218.6	
410-286769-4	MW-69	Dissolved	Water	218.6	
410-286769-5	MW-70	Dissolved	Water	218.6	
410-286769-6	MW-21	Dissolved	Water	218.6	
410-286769-7	MW-16	Dissolved	Water	218.6	
410-286769-8	MW-1	Dissolved	Water	218.6	
410-286769-9	MW-36	Dissolved	Water	218.6	
410-286769-10	MW-4	Dissolved	Water	218.6	
410-286769-11	MW-6	Dissolved	Water	218.6	
410-286769-12	MW-9	Dissolved	Water	218.6	
410-286769-13	SMP-1	Dissolved	Water	218.6	
410-286769-14	SMP-2R	Dissolved	Water	218.6	
410-286769-17	SMP-5	Dissolved	Water	218.6	
MB 410-830183/102	Method Blank	Total/NA	Water	218.6	
MB 410-830183/72	Method Blank	Total/NA	Water	218.6	
LCS 410-830183/101	Lab Control Sample	Total/NA	Water	218.6	
LCS 410-830183/71	Lab Control Sample	Total/NA	Water	218.6	
410-286769-4 MS	MW-69	Dissolved	Water	218.6	
410-286769-4 MSD	MW-69	Dissolved	Water	218.6	
410-286769-6 MS	MW-21	Dissolved	Water	218.6	
410-286769-6 MSD	MW-21	Dissolved	Water	218.6	
410-286769-14 MS	SMP-2R	Dissolved	Water	218.6	
410-286769-14 MSD	SMP-2R	Dissolved	Water	218.6	
410-286769-6 DU	MW-21	Dissolved	Water	218.6	

Analysis Batch: 832735

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286769-15	SMP-3	Dissolved	Water	218.6	
410-286769-16	SMP-4	Dissolved	Water	218.6	
MB 410-832735/139	Method Blank	Total/NA	Water	218.6	
LCS 410-832735/138	Lab Control Sample	Total/NA	Water	218.6	

Filtration Batch: 836795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286769-1	MW-20R	Dissolved	Water	FILTRATION	
410-286769-2	MW-68	Dissolved	Water	FILTRATION	
410-286769-3	MW-71	Dissolved	Water	FILTRATION	
410-286769-4	MW-69	Dissolved	Water	FILTRATION	
410-286769-5	MW-70	Dissolved	Water	FILTRATION	
410-286769-6	MW-21	Dissolved	Water	FILTRATION	
410-286769-7	MW-16	Dissolved	Water	FILTRATION	
410-286769-8	MW-1	Dissolved	Water	FILTRATION	
410-286769-9	MW-36	Dissolved	Water	FILTRATION	
410-286769-10	MW-4	Dissolved	Water	FILTRATION	
410-286769-11	MW-6	Dissolved	Water	FILTRATION	
410-286769-12	MW-9	Dissolved	Water	FILTRATION	
410-286769-13	SMP-1	Dissolved	Water	FILTRATION	
410-286769-14	SMP-2R	Dissolved	Water	FILTRATION	
410-286769-15	SMP-3	Dissolved	Water	FILTRATION	

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

HPLC/IC (Continued)

Filtration Batch: 836795 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286769-16	SMP-4	Dissolved	Water	FILTRATION	
410-286769-17	SMP-5	Dissolved	Water	FILTRATION	
410-286769-6 MS	MW-21	Dissolved	Water	FILTRATION	
410-286769-11 MS	MW-6	Dissolved	Water	FILTRATION	
410-286769-6 DU	MW-21	Dissolved	Water	FILTRATION	
410-286769-11 DU	MW-6	Dissolved	Water	FILTRATION	

Analysis Batch: 836994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286769-1	MW-20R	Dissolved	Water	9056A	836795
410-286769-2	MW-68	Dissolved	Water	9056A	836795
410-286769-3	MW-71	Dissolved	Water	9056A	836795
410-286769-4	MW-69	Dissolved	Water	9056A	836795
410-286769-5	MW-70	Dissolved	Water	9056A	836795
410-286769-7	MW-16	Dissolved	Water	9056A	836795
410-286769-8	MW-1	Dissolved	Water	9056A	836795
410-286769-9	MW-36	Dissolved	Water	9056A	836795
410-286769-11	MW-6	Dissolved	Water	9056A	836795
410-286769-12	MW-9	Dissolved	Water	9056A	836795
MB 410-836994/51	Method Blank	Total/NA	Water	9056A	
LCS 410-836994/49	Lab Control Sample	Total/NA	Water	9056A	
LCSD 410-836994/50	Lab Control Sample Dup	Total/NA	Water	9056A	
410-286769-11 MS	MW-6	Dissolved	Water	9056A	836795
410-286769-11 DU	MW-6	Dissolved	Water	9056A	836795

Analysis Batch: 837675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286769-6	MW-21	Dissolved	Water	9056A	836795
410-286769-10	MW-4	Dissolved	Water	9056A	836795
410-286769-13	SMP-1	Dissolved	Water	9056A	836795
410-286769-14	SMP-2R	Dissolved	Water	9056A	836795
410-286769-15	SMP-3	Dissolved	Water	9056A	836795
410-286769-16	SMP-4	Dissolved	Water	9056A	836795
410-286769-17	SMP-5	Dissolved	Water	9056A	836795
MB 410-837675/5	Method Blank	Total/NA	Water	9056A	
LCS 410-837675/3	Lab Control Sample	Total/NA	Water	9056A	
LCSD 410-837675/4	Lab Control Sample Dup	Total/NA	Water	9056A	
410-286769-6 MS	MW-21	Dissolved	Water	9056A	836795
410-286769-6 DU	MW-21	Dissolved	Water	9056A	836795

LCMS

Prep Batch: 835582

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286769-1	MW-20R	Total/NA	Water	1633A	
410-286769-2	MW-68	Total/NA	Water	1633A	
410-286769-3	MW-71	Total/NA	Water	1633A	
410-286769-4	MW-69	Total/NA	Water	1633A	
410-286769-5	MW-70	Total/NA	Water	1633A	
410-286769-6	MW-21	Total/NA	Water	1633A	
410-286769-7	MW-16	Total/NA	Water	1633A	

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

LCMS (Continued)

Prep Batch: 835582 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286769-8	MW-1	Total/NA	Water	1633A	
410-286769-9	MW-36	Total/NA	Water	1633A	
410-286769-11	MW-6	Total/NA	Water	1633A	
410-286769-12	MW-9	Total/NA	Water	1633A	
410-286769-13	SMP-1	Total/NA	Water	1633A	
410-286769-14	SMP-2R	Total/NA	Water	1633A	
410-286769-15	SMP-3	Total/NA	Water	1633A	
410-286769-16	SMP-4	Total/NA	Water	1633A	
410-286769-17	SMP-5	Total/NA	Water	1633A	
MB 410-835582/16-A	Method Blank	Total/NA	Water	1633A	
LCS 410-835582/17-A	Lab Control Sample	Total/NA	Water	1633A	
LLCS 410-835582/18-A	Lab Control Sample	Total/NA	Water	1633A	
410-286769-6 MS	MW-21	Total/NA	Water	1633A	
410-286769-6 MSD	MW-21	Total/NA	Water	1633A	
410-286769-8 MS	MW-1	Total/NA	Water	1633A	
410-286769-8 MSD	MW-1	Total/NA	Water	1633A	

Analysis Batch: 836397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286769-1	MW-20R	Total/NA	Water	1633A	835582
410-286769-2	MW-68	Total/NA	Water	1633A	835582
410-286769-3	MW-71	Total/NA	Water	1633A	835582
410-286769-4	MW-69	Total/NA	Water	1633A	835582
410-286769-5	MW-70	Total/NA	Water	1633A	835582
410-286769-6	MW-21	Total/NA	Water	1633A	835582
410-286769-7	MW-16	Total/NA	Water	1633A	835582
410-286769-8	MW-1	Total/NA	Water	1633A	835582
410-286769-9	MW-36	Total/NA	Water	1633A	835582
410-286769-11	MW-6	Total/NA	Water	1633A	835582
410-286769-12	MW-9	Total/NA	Water	1633A	835582
410-286769-13	SMP-1	Total/NA	Water	1633A	835582
410-286769-14	SMP-2R	Total/NA	Water	1633A	835582
410-286769-15	SMP-3	Total/NA	Water	1633A	835582
410-286769-16	SMP-4	Total/NA	Water	1633A	835582
410-286769-17	SMP-5	Total/NA	Water	1633A	835582
MB 410-835582/16-A	Method Blank	Total/NA	Water	1633A	835582
LCS 410-835582/17-A	Lab Control Sample	Total/NA	Water	1633A	835582
LLCS 410-835582/18-A	Lab Control Sample	Total/NA	Water	1633A	835582
410-286769-6 MS	MW-21	Total/NA	Water	1633A	835582
410-286769-6 MSD	MW-21	Total/NA	Water	1633A	835582
410-286769-8 MS	MW-1	Total/NA	Water	1633A	835582
410-286769-8 MSD	MW-1	Total/NA	Water	1633A	835582

Metals

Filtration Batch: 831251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286769-1	MW-20R	Dissolved	Water	Filtration	
410-286769-2	MW-68	Dissolved	Water	Filtration	
410-286769-3	MW-71	Dissolved	Water	Filtration	
410-286769-4	MW-69	Dissolved	Water	Filtration	

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Metals (Continued)

Filtration Batch: 831251 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286769-6	MW-21	Dissolved	Water	Filtration	
410-286769-6 MS	MW-21	Dissolved	Water	Filtration	
410-286769-6 MSD	MW-21	Dissolved	Water	Filtration	
410-286769-6 DU	MW-21	Dissolved	Water	Filtration	

Filtration Batch: 831318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286769-5	MW-70	Dissolved	Water	Filtration	
410-286769-7	MW-16	Dissolved	Water	Filtration	
410-286769-8	MW-1	Dissolved	Water	Filtration	
410-286769-9	MW-36	Dissolved	Water	Filtration	
410-286769-10	MW-4	Dissolved	Water	Filtration	
410-286769-11	MW-6	Dissolved	Water	Filtration	
410-286769-12	MW-9	Dissolved	Water	Filtration	
410-286769-13	SMP-1	Dissolved	Water	Filtration	
410-286769-14	SMP-2R	Dissolved	Water	Filtration	
410-286769-15	SMP-3	Dissolved	Water	Filtration	
410-286769-16	SMP-4	Dissolved	Water	Filtration	
410-286769-17	SMP-5	Dissolved	Water	Filtration	

Prep Batch: 831712

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286769-1	MW-20R	Dissolved	Water	Non-Digest Prep	831251
410-286769-2	MW-68	Dissolved	Water	Non-Digest Prep	831251
410-286769-3	MW-71	Dissolved	Water	Non-Digest Prep	831251
410-286769-4	MW-69	Dissolved	Water	Non-Digest Prep	831251
410-286769-5	MW-70	Dissolved	Water	Non-Digest Prep	831318
410-286769-6	MW-21	Dissolved	Water	Non-Digest Prep	831251
410-286769-7	MW-16	Dissolved	Water	Non-Digest Prep	831318
410-286769-8	MW-1	Dissolved	Water	Non-Digest Prep	831318
410-286769-9	MW-36	Dissolved	Water	Non-Digest Prep	831318
410-286769-10	MW-4	Dissolved	Water	Non-Digest Prep	831318
410-286769-11	MW-6	Dissolved	Water	Non-Digest Prep	831318
410-286769-12	MW-9	Dissolved	Water	Non-Digest Prep	831318
410-286769-13	SMP-1	Dissolved	Water	Non-Digest Prep	831318
410-286769-14	SMP-2R	Dissolved	Water	Non-Digest Prep	831318
410-286769-15	SMP-3	Dissolved	Water	Non-Digest Prep	831318
410-286769-16	SMP-4	Dissolved	Water	Non-Digest Prep	831318
410-286769-17	SMP-5	Dissolved	Water	Non-Digest Prep	831318
MB 410-831712/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-831712/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	
410-286769-6 MS	MW-21	Dissolved	Water	Non-Digest Prep	831251
410-286769-6 MSD	MW-21	Dissolved	Water	Non-Digest Prep	831251
410-286769-6 DU	MW-21	Dissolved	Water	Non-Digest Prep	831251

Analysis Batch: 833090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286769-1	MW-20R	Dissolved	Water	6020B	831712
410-286769-2	MW-68	Dissolved	Water	6020B	831712
410-286769-3	MW-71	Dissolved	Water	6020B	831712
410-286769-4	MW-69	Dissolved	Water	6020B	831712

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Metals (Continued)

Analysis Batch: 833090 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-286769-5	MW-70	Dissolved	Water	6020B	831712
410-286769-5	MW-70	Dissolved	Water	6020B	831712
410-286769-6	MW-21	Dissolved	Water	6020B	831712
410-286769-7	MW-16	Dissolved	Water	6020B	831712
410-286769-8	MW-1	Dissolved	Water	6020B	831712
410-286769-9	MW-36	Dissolved	Water	6020B	831712
410-286769-10	MW-4	Dissolved	Water	6020B	831712
410-286769-11	MW-6	Dissolved	Water	6020B	831712
410-286769-12	MW-9	Dissolved	Water	6020B	831712
410-286769-13	SMP-1	Dissolved	Water	6020B	831712
410-286769-14	SMP-2R	Dissolved	Water	6020B	831712
410-286769-15	SMP-3	Dissolved	Water	6020B	831712
410-286769-16	SMP-4	Dissolved	Water	6020B	831712
410-286769-17	SMP-5	Dissolved	Water	6020B	831712
MB 410-831712/1-A	Method Blank	Total/NA	Water	6020B	831712
LCS 410-831712/2-A	Lab Control Sample	Total/NA	Water	6020B	831712
410-286769-6 MS	MW-21	Dissolved	Water	6020B	831712
410-286769-6 MSD	MW-21	Dissolved	Water	6020B	831712
410-286769-6 DU	MW-21	Dissolved	Water	6020B	831712

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-20R

Lab Sample ID: 410-286769-1

Date Collected: 06/04/26 08:15

Matrix: Water

Date Received: 06/04/26 16:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	837183	K1P	ELLE	06/17/26 23:09
Dissolved	Analysis	218.6		1	830183	RAC6	ELLE	06/05/26 21:14
Dissolved	Filtration	FILTRATION			836795	RAC6	ELLE	06/17/26 09:44
Dissolved	Analysis	9056A		1	836994	L4QM	ELLE	06/17/26 15:19
Total/NA	Prep	1633A			835582	V3FW	ELLE	06/15/26 16:38
Total/NA	Analysis	1633A		1	836397	VGQ7	ELLE	06/17/26 05:55
Dissolved	Filtration	Filtration			831251	UDL9	ELLE	06/08/26 10:05
Dissolved	Prep	Non-Digest Prep			831712	RFN5	ELLE	06/09/26 15:20
Dissolved	Analysis	6020B		1	833090	I9IN	ELLE	06/10/26 16:56

Client Sample ID: MW-68

Lab Sample ID: 410-286769-2

Date Collected: 06/04/26 08:35

Matrix: Water

Date Received: 06/04/26 16:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		10	837183	K1P	ELLE	06/18/26 06:00
Total/NA	Analysis	8260D	DL	100	837183	K1P	ELLE	06/18/26 06:23
Total/NA	Analysis	8260D	DL2	1000	837367	TQ4J	ELLE	06/18/26 13:30
Dissolved	Analysis	218.6		1	830183	RAC6	ELLE	06/05/26 21:21
Dissolved	Filtration	FILTRATION			836795	RAC6	ELLE	06/17/26 09:44
Dissolved	Analysis	9056A		1	836994	L4QM	ELLE	06/17/26 15:31
Total/NA	Prep	1633A			835582	V3FW	ELLE	06/15/26 16:38
Total/NA	Analysis	1633A		1	836397	VGQ7	ELLE	06/17/26 06:09
Dissolved	Filtration	Filtration			831251	UDL9	ELLE	06/08/26 10:05
Dissolved	Prep	Non-Digest Prep			831712	RFN5	ELLE	06/09/26 15:20
Dissolved	Analysis	6020B		1	833090	I9IN	ELLE	06/10/26 16:54

Client Sample ID: MW-71

Lab Sample ID: 410-286769-3

Date Collected: 06/04/26 09:00

Matrix: Water

Date Received: 06/04/26 16:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	837183	K1P	ELLE	06/17/26 23:32
Dissolved	Analysis	218.6		1	830183	RAC6	ELLE	06/05/26 21:29
Dissolved	Filtration	FILTRATION			836795	RAC6	ELLE	06/17/26 09:44
Dissolved	Analysis	9056A		1	836994	L4QM	ELLE	06/17/26 15:43
Total/NA	Prep	1633A			835582	V3FW	ELLE	06/15/26 16:38
Total/NA	Analysis	1633A		1	836397	VGQ7	ELLE	06/17/26 06:23
Dissolved	Filtration	Filtration			831251	UDL9	ELLE	06/08/26 10:05
Dissolved	Prep	Non-Digest Prep			831712	RFN5	ELLE	06/09/26 15:20
Dissolved	Analysis	6020B		1	833090	I9IN	ELLE	06/10/26 16:58

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-69

Lab Sample ID: 410-286769-4

Date Collected: 06/04/26 09:30

Matrix: Water

Date Received: 06/04/26 16:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	837183	K1P	ELLE	06/17/26 23:55
Total/NA	Analysis	8260D	DL	500	837429	ULCP	ELLE	06/18/26 18:33
Dissolved	Analysis	218.6		1	830183	RAC6	ELLE	06/05/26 21:59
Dissolved	Filtration	FILTRATION			836795	RAC6	ELLE	06/17/26 09:44
Dissolved	Analysis	9056A		1	836994	L4QM	ELLE	06/17/26 15:56
Total/NA	Prep	1633A			835582	V3FW	ELLE	06/15/26 16:38
Total/NA	Analysis	1633A		1	836397	VGQ7	ELLE	06/17/26 06:36
Dissolved	Filtration	Filtration			831251	UDL9	ELLE	06/08/26 10:05
Dissolved	Prep	Non-Digest Prep			831712	RFN5	ELLE	06/09/26 15:20
Dissolved	Analysis	6020B		1	833090	I9IN	ELLE	06/10/26 17:08

Client Sample ID: MW-70

Lab Sample ID: 410-286769-5

Date Collected: 06/04/26 09:50

Matrix: Water

Date Received: 06/04/26 16:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		10	837183	K1P	ELLE	06/18/26 06:46
Total/NA	Analysis	8260D	DL	1000	837367	TQ4J	ELLE	06/18/26 13:53
Dissolved	Analysis	218.6		1	830183	RAC6	ELLE	06/05/26 21:36
Dissolved	Filtration	FILTRATION			836795	RAC6	ELLE	06/17/26 09:44
Dissolved	Analysis	9056A		1	836994	L4QM	ELLE	06/17/26 16:08
Total/NA	Prep	1633A			835582	V3FW	ELLE	06/15/26 16:38
Total/NA	Analysis	1633A		1	836397	VGQ7	ELLE	06/17/26 06:50
Dissolved	Filtration	Filtration			831318	UDL9	ELLE	06/08/26 11:00
Dissolved	Prep	Non-Digest Prep			831712	RFN5	ELLE	06/09/26 15:20
Dissolved	Analysis	6020B		1	833090	I9IN	ELLE	06/10/26 17:22
Dissolved	Filtration	Filtration			831318	UDL9	ELLE	06/08/26 11:00
Dissolved	Prep	Non-Digest Prep			831712	RFN5	ELLE	06/09/26 15:20
Dissolved	Analysis	6020B		10	833090	I9IN	ELLE	06/10/26 17:47

Client Sample ID: MW-21

Lab Sample ID: 410-286769-6

Date Collected: 06/04/26 10:30

Matrix: Water

Date Received: 06/04/26 16:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	837167	VY7Q	ELLE	06/18/26 04:12
Dissolved	Analysis	218.6		1	830183	RAC6	ELLE	06/05/26 20:43
Dissolved	Filtration	FILTRATION			836795	RAC6	ELLE	06/17/26 09:44
Dissolved	Analysis	9056A		10	837675	KJQ8	ELLE	06/18/26 11:03
Total/NA	Prep	1633A			835582	V3FW	ELLE	06/15/26 16:38
Total/NA	Analysis	1633A		1	836397	VGQ7	ELLE	06/17/26 07:03
Dissolved	Filtration	Filtration			831251	UDL9	ELLE	06/08/26 10:05
Dissolved	Prep	Non-Digest Prep			831712	RFN5	ELLE	06/09/26 15:20
Dissolved	Analysis	6020B		1	833090	I9IN	ELLE	06/10/26 16:46

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-16

Lab Sample ID: 410-286769-7

Date Collected: 06/04/26 11:55

Matrix: Water

Date Received: 06/04/26 16:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	836381	JS6E	ELLE	06/17/26 00:49
Dissolved	Analysis	218.6		1	830183	RAC6	ELLE	06/05/26 22:30
Dissolved	Filtration	FILTRATION			836795	RAC6	ELLE	06/17/26 09:44
Dissolved	Analysis	9056A		1	836994	L4QM	ELLE	06/17/26 16:58
Total/NA	Prep	1633A			835582	V3FW	ELLE	06/15/26 16:38
Total/NA	Analysis	1633A		1	836397	VGQ7	ELLE	06/17/26 07:44
Dissolved	Filtration	Filtration			831318	UDL9	ELLE	06/08/26 11:00
Dissolved	Prep	Non-Digest Prep			831712	RFN5	ELLE	06/09/26 15:20
Dissolved	Analysis	6020B		1	833090	I9IN	ELLE	06/10/26 17:35

Client Sample ID: MW-1

Lab Sample ID: 410-286769-8

Date Collected: 06/04/26 11:15

Matrix: Water

Date Received: 06/04/26 16:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	836381	JS6E	ELLE	06/17/26 01:09
Dissolved	Analysis	218.6		1	830183	RAC6	ELLE	06/05/26 22:22
Dissolved	Filtration	FILTRATION			836795	RAC6	ELLE	06/17/26 09:44
Dissolved	Analysis	9056A		1	836994	L4QM	ELLE	06/17/26 17:10
Total/NA	Prep	1633A			835582	V3FW	ELLE	06/15/26 16:38
Total/NA	Analysis	1633A		1	836397	VGQ7	ELLE	06/17/26 07:58
Dissolved	Filtration	Filtration			831318	UDL9	ELLE	06/08/26 11:00
Dissolved	Prep	Non-Digest Prep			831712	RFN5	ELLE	06/09/26 15:20
Dissolved	Analysis	6020B		1	833090	I9IN	ELLE	06/10/26 17:37

Client Sample ID: MW-36

Lab Sample ID: 410-286769-9

Date Collected: 06/04/26 12:10

Matrix: Water

Date Received: 06/04/26 16:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	836381	JS6E	ELLE	06/17/26 02:11
Dissolved	Analysis	218.6		1	830183	RAC6	ELLE	06/05/26 22:45
Dissolved	Filtration	FILTRATION			836795	RAC6	ELLE	06/17/26 09:44
Dissolved	Analysis	9056A		1	836994	L4QM	ELLE	06/17/26 17:48
Total/NA	Prep	1633A			835582	V3FW	ELLE	06/15/26 16:38
Total/NA	Analysis	1633A		1	836397	VGQ7	ELLE	06/17/26 09:06
Dissolved	Filtration	Filtration			831318	UDL9	ELLE	06/08/26 11:00
Dissolved	Prep	Non-Digest Prep			831712	RFN5	ELLE	06/09/26 15:20
Dissolved	Analysis	6020B		1	833090	I9IN	ELLE	06/10/26 17:39

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: MW-4

Lab Sample ID: 410-286769-10

Date Collected: 06/04/26 12:35

Matrix: Water

Date Received: 06/04/26 16:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Analysis	218.6		1	830183	RAC6	ELLE	06/05/26 22:37
Dissolved	Filtration	FILTRATION			836795	RAC6	ELLE	06/17/26 09:44
Dissolved	Analysis	9056A		5	837675	KJQ8	ELLE	06/18/26 11:40
Dissolved	Filtration	Filtration			831318	UDL9	ELLE	06/08/26 11:00
Dissolved	Prep	Non-Digest Prep			831712	RFN5	ELLE	06/09/26 15:20
Dissolved	Analysis	6020B		1	833090	I9IN	ELLE	06/10/26 17:33

Client Sample ID: MW-6

Lab Sample ID: 410-286769-11

Date Collected: 06/04/26 12:45

Matrix: Water

Date Received: 06/04/26 16:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	836381	JS6E	ELLE	06/17/26 02:31
Dissolved	Analysis	218.6		1	830183	RAC6	ELLE	06/05/26 22:52
Dissolved	Filtration	FILTRATION			836795	RAC6	ELLE	06/17/26 09:44
Dissolved	Analysis	9056A		1	836994	L4QM	ELLE	06/17/26 18:12
Total/NA	Prep	1633A			835582	V3FW	ELLE	06/15/26 16:38
Total/NA	Analysis	1633A		1	836397	VGQ7	ELLE	06/17/26 09:19
Dissolved	Filtration	Filtration			831318	UDL9	ELLE	06/08/26 11:00
Dissolved	Prep	Non-Digest Prep			831712	RFN5	ELLE	06/09/26 15:20
Dissolved	Analysis	6020B		1	833090	I9IN	ELLE	06/10/26 17:18

Client Sample ID: MW-9

Lab Sample ID: 410-286769-12

Date Collected: 06/04/26 13:30

Matrix: Water

Date Received: 06/04/26 16:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	836381	JS6E	ELLE	06/17/26 02:52
Dissolved	Analysis	218.6		1	830183	RAC6	ELLE	06/05/26 23:00
Dissolved	Filtration	FILTRATION			836795	RAC6	ELLE	06/17/26 09:44
Dissolved	Analysis	9056A		1	836994	L4QM	ELLE	06/17/26 18:50
Total/NA	Prep	1633A			835582	V3FW	ELLE	06/15/26 16:38
Total/NA	Analysis	1633A		1	836397	VGQ7	ELLE	06/17/26 09:33
Dissolved	Filtration	Filtration			831318	UDL9	ELLE	06/08/26 11:00
Dissolved	Prep	Non-Digest Prep			831712	RFN5	ELLE	06/09/26 15:20
Dissolved	Analysis	6020B		1	833090	I9IN	ELLE	06/10/26 17:24

Client Sample ID: SMP-1

Lab Sample ID: 410-286769-13

Date Collected: 06/04/26 14:00

Matrix: Water

Date Received: 06/04/26 16:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	836381	JS6E	ELLE	06/17/26 03:12
Dissolved	Analysis	218.6		1	830183	RAC6	ELLE	06/05/26 23:08

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: SMP-1

Lab Sample ID: 410-286769-13

Date Collected: 06/04/26 14:00

Matrix: Water

Date Received: 06/04/26 16:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Filtration	FILTRATION			836795	RAC6	ELLE	06/17/26 09:44
Dissolved	Analysis	9056A		5	837675	KJQ8	ELLE	06/18/26 11:52
Total/NA	Prep	1633A			835582	V3FW	ELLE	06/15/26 16:38
Total/NA	Analysis	1633A		1	836397	VGQ7	ELLE	06/17/26 09:46
Dissolved	Filtration	Filtration			831318	UDL9	ELLE	06/08/26 11:00
Dissolved	Prep	Non-Digest Prep			831712	RFN5	ELLE	06/09/26 15:20
Dissolved	Analysis	6020B		1	833090	I9IN	ELLE	06/10/26 17:20

Client Sample ID: SMP-2R

Lab Sample ID: 410-286769-14

Date Collected: 06/04/26 14:15

Matrix: Water

Date Received: 06/04/26 16:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	836381	JS6E	ELLE	06/17/26 03:33
Dissolved	Analysis	218.6		1	830183	RAC6	ELLE	06/05/26 23:30
Dissolved	Filtration	FILTRATION			836795	RAC6	ELLE	06/17/26 09:44
Dissolved	Analysis	9056A		5	837675	KJQ8	ELLE	06/18/26 12:05
Total/NA	Prep	1633A			835582	V3FW	ELLE	06/15/26 16:38
Total/NA	Analysis	1633A		1	836397	VGQ7	ELLE	06/17/26 10:00
Dissolved	Filtration	Filtration			831318	UDL9	ELLE	06/08/26 11:00
Dissolved	Prep	Non-Digest Prep			831712	RFN5	ELLE	06/09/26 15:20
Dissolved	Analysis	6020B		1	833090	I9IN	ELLE	06/10/26 17:16

Client Sample ID: SMP-3

Lab Sample ID: 410-286769-15

Date Collected: 06/04/26 14:30

Matrix: Water

Date Received: 06/04/26 16:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	837183	K1P	ELLE	06/18/26 00:17
Total/NA	Analysis	8260D	RA	1	837367	TQ4J	ELLE	06/18/26 14:15
Dissolved	Analysis	218.6		10	832735	RAC6	ELLE	06/10/26 13:24
Dissolved	Filtration	FILTRATION			836795	RAC6	ELLE	06/17/26 09:44
Dissolved	Analysis	9056A		10	837675	KJQ8	ELLE	06/18/26 12:17
Total/NA	Prep	1633A			835582	V3FW	ELLE	06/15/26 16:38
Total/NA	Analysis	1633A		1	836397	VGQ7	ELLE	06/17/26 10:14
Dissolved	Filtration	Filtration			831318	UDL9	ELLE	06/08/26 11:00
Dissolved	Prep	Non-Digest Prep			831712	RFN5	ELLE	06/09/26 15:20
Dissolved	Analysis	6020B		1	833090	I9IN	ELLE	06/10/26 17:10

Client Sample ID: SMP-4

Lab Sample ID: 410-286769-16

Date Collected: 06/04/26 14:45

Matrix: Water

Date Received: 06/04/26 16:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	837183	K1P	ELLE	06/18/26 00:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Client Sample ID: SMP-4

Date Collected: 06/04/26 14:45

Date Received: 06/04/26 16:42

Lab Sample ID: 410-286769-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Analysis	218.6		10	832735	RAC6	ELLE	06/10/26 13:16
Dissolved	Filtration	FILTRATION			836795	RAC6	ELLE	06/17/26 09:44
Dissolved	Analysis	9056A		10	837675	KJQ8	ELLE	06/18/26 12:30
Total/NA	Prep	1633A			835582	V3FW	ELLE	06/15/26 16:38
Total/NA	Analysis	1633A		1	836397	VGQ7	ELLE	06/17/26 10:27
Dissolved	Filtration	Filtration			831318	UDL9	ELLE	06/08/26 11:00
Dissolved	Prep	Non-Digest Prep			831712	RFN5	ELLE	06/09/26 15:20
Dissolved	Analysis	6020B		1	833090	I9IN	ELLE	06/10/26 17:12

Client Sample ID: SMP-5

Date Collected: 06/04/26 15:00

Date Received: 06/04/26 16:42

Lab Sample ID: 410-286769-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	837183	K1P	ELLE	06/18/26 01:03
Dissolved	Analysis	218.6		1	830183	RAC6	ELLE	06/06/26 00:08
Dissolved	Filtration	FILTRATION			836795	RAC6	ELLE	06/17/26 09:44
Dissolved	Analysis	9056A		5	837675	KJQ8	ELLE	06/18/26 12:42
Total/NA	Prep	1633A			835582	V3FW	ELLE	06/15/26 16:38
Total/NA	Analysis	1633A		1	836397	VGQ7	ELLE	06/17/26 10:41
Dissolved	Filtration	Filtration			831318	UDL9	ELLE	06/08/26 11:00
Dissolved	Prep	Non-Digest Prep			831712	RFN5	ELLE	06/09/26 15:20
Dissolved	Analysis	6020B		1	833090	I9IN	ELLE	06/10/26 17:14

Client Sample ID: Trip Blank

Date Collected: 06/04/26 00:00

Date Received: 06/04/26 16:42

Lab Sample ID: 410-286769-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	836381	JS6E	ELLE	06/17/26 00:08

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Pennsylvania	NELAP	36-00037	01-31-27

Method Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	ELLE
218.6	Chromium, Hexavalent (Ion Chromatography)	EPA	ELLE
9056A	Anions, Ion Chromatography	SW846	ELLE
1633A	Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A	EPA	ELLE
6020B	Metals (ICP/MS)	SW846	ELLE
1633A	Solid-Phase Extraction (SPE)	EPA	ELLE
5030C	Purge and Trap	SW846	ELLE
FILTRATION	Sample Filtration	None	ELLE
Non-Digest Prep	Preparation, Non-Digested Aqueous Metals	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

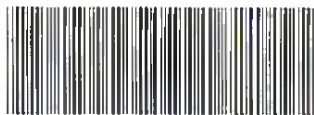
ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube

Job ID: 410-286769-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
410-286769-1	MW-20R	Water	06/04/26 08:15	06/04/26 16:42	Pennsylvania
410-286769-2	MW-68	Water	06/04/26 08:35	06/04/26 16:42	Pennsylvania
410-286769-3	MW-71	Water	06/04/26 09:00	06/04/26 16:42	Pennsylvania
410-286769-4	MW-69	Water	06/04/26 09:30	06/04/26 16:42	Pennsylvania
410-286769-5	MW-70	Water	06/04/26 09:50	06/04/26 16:42	Pennsylvania
410-286769-6	MW-21	Water	06/04/26 10:30	06/04/26 16:42	Pennsylvania
410-286769-7	MW-16	Water	06/04/26 11:55	06/04/26 16:42	Pennsylvania
410-286769-8	MW-1	Water	06/04/26 11:15	06/04/26 16:42	Pennsylvania
410-286769-9	MW-36	Water	06/04/26 12:10	06/04/26 16:42	Pennsylvania
410-286769-10	MW-4	Water	06/04/26 12:35	06/04/26 16:42	Pennsylvania
410-286769-11	MW-6	Water	06/04/26 12:45	06/04/26 16:42	Pennsylvania
410-286769-12	MW-9	Water	06/04/26 13:30	06/04/26 16:42	Pennsylvania
410-286769-13	SMP-1	Water	06/04/26 14:00	06/04/26 16:42	Pennsylvania
410-286769-14	SMP-2R	Water	06/04/26 14:15	06/04/26 16:42	Pennsylvania
410-286769-15	SMP-3	Water	06/04/26 14:30	06/04/26 16:42	Pennsylvania
410-286769-16	SMP-4	Water	06/04/26 14:45	06/04/26 16:42	Pennsylvania
410-286769-17	SMP-5	Water	06/04/26 15:00	06/04/26 16:42	Pennsylvania
410-286769-18	Trip Blank	Water	06/04/26 00:00	06/04/26 16:42	Pennsylvania



410-286769 Chain of Custody

Environmental Analysis Request/Chain of Custody

Lancaster Laboratories
Environmental

Acct. # _____ Group # _____ Sample # _____

Client Name: Groundwater & Environmental Services, Inc		Acct. #:		Matrix		Analyses Requested										For Lab Use Only							
Project Name/ #: GTAC-Bishop Tube HSCA Site				☐ Tissue		Preservation and Filtration Codes										SF #:							
Site Address: 1 S Malin Road, Malvern, PA 19355				☐ Ground																			
GES PM/CM: Tim Uhler/Derek Yoder				☐ Surface																			
Client Address: 410 Eagleview Blvd, Suite 110 Exton, PA 19341				☐ Potable												SCR #:							
Email report: labreportspae@gesonline.com AND tuhler@gesonline.com				☐ NPDES																			
Invoice needs to be emailed to ges-invoices@gesonline.com. COC must be attached to invoice. Invoice must reference job # 0070462-3020-06				☐ Other:																			
State where samples were collected: PA		For Compliance: Yes ☐ No ☒		☐ Sediment																			
Sampler: Brian Olewinski		Collection		☐ Soil																			
Sampler Signature: [Signature]				☐ Water																			
Sample Identification		Date		Time		Grab		Composite		Total # of Containers													
MW-20R		6-4-26		0815		X				8		8260D - TCL VOCs 4.3											
MW-68		6-4-26		0835		X				8		1633A - PFAS (List of 40)											
MW-71		6-4-26		0900		X				8		6020B - Dissolved Ni, Mn, and Cr											
MW-69		6-4-26		0930		X				8		218.6 - Chromium, Hexavalent Dissolved											
MW-70		6-4-26		0950		X				8		9056A - Fluoride Dissolved											
MW-21		6-4-26		1030		X				8													
MW-16		6-4-26		1155		X				8													
MW-1		6-4-26		1115		X				19													
MW-36		6-4-26		1210		X				8													
MW-4		6-4-26		1235		X				3													
Turnaround Time Requested (TAT) (please check):		Standard ☒ Rush ☐		Relinquished by:		Date		Time		Received by:		Date		Time									
(Rush TAT is subject to laboratory approval and surcharges.)				[Signature]		6/4/26		1642															
Date results are needed:				Relinquished by:		Date		Time		Received by:		Date		Time									
Rush results requested by (please check):		E-Mail ☐ Phone ☐																					
E-mail Address: labreportspae@gesonline.com				Relinquished by:		Date		Time		Received by:		Date		Time									
Phone:																							
Data Package Options (please check if required)				Relinquished by:		Date		Time		Received by:		Date		Time									
Type I (Validation/non-CLP) ☐ MA MCP ☐																							
Type III (Reduced non-CLP) ☐ CT RCP ☐				Relinquished by:		Date		Time		Received by:		Date		Time									
Type VI (Raw Data Only) ☐ TX TRRP-13 ☐																							
NJ DKQP ☐ NYSDEC Category ☐ A or ☐ B				Relinquished by Commercial Carrier:																			
EDD Required? Yes ☒ No ☐ If yes, format: _____				UPS _____ FedEx _____ Other _____						Temperature upon receipt		6/4/26 1642		-5.0 -5.4 C 3.3 -3.7									

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7045 0717

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vk

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 410-286769-1

Login Number: 286769

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Kanagy, Nicholas

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	False	Received Trip Blank(s) not listed on COC.
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	True	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	



ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Tim Uhler
Groundwater & Environmental Services Inc
410 Eagleview Boulevard
Suite 110
Exton, Pennsylvania 19341-2577

Generated 7/1/2026 5:24:51 PM

JOB DESCRIPTION

GTAC-Bishop Tube HSCA Site

JOB NUMBER

410-287134-1

Eurofins Lancaster Laboratories Environment Testing, LLC

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Authorized for release by
Amek Carter, Project Manager
Loran.Carter@et.eurofinsus.com
(717)556-7252

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Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.



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Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
^c	CCV Recovery is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
cn	Refer to Case Narrative for further detail
E	Result exceeded calibration range.
ES	The analyte response has saturated the instrument detector. The reported concentration is likely to have a low bias and should be considered a minimum possible concentration.
FH	MS and/or MSD recovery above control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

HPLC/IC

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
cn	Refer to Case Narrative for further detail

LCMS

Qualifier	Qualifier Description
*5+	Isotope dilution analyte is outside acceptance limits, high biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
cn	Refer to Case Narrative for further detail
FL	MS and/or MSD recovery below control limits.
I	Ion ratio outside limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)

Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Groundwater & Environmental Services Inc
Project: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Job ID: 410-287134-1

Eurofins Lancaster Laboratories Environment

Job Narrative 410-287134-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 6/5/2026 7:15 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 11.5°C.

Receipt Exceptions

The following samples were received at the laboratory outside the required temperature criteria: MW-85B (410-287134-1), MW-85A (410-287134-2), MW-85A (410-287134-2[DU]), MW-85A (410-287134-2[MS]), MW-85A (410-287134-2[MSD]), MW-13 (410-287134-3), MW-30CR (410-287134-4), PZ-1 (410-287134-5), PZ-6 (410-287134-6), PZ-7 (410-287134-7), PZ-9 (410-287134-8), Duplicate 6 (410-287134-9), Field Blank 6 (410-287134-10) and TB060526 (410-287134-11). The sample(s) is considered acceptable since it was collected and submitted to the laboratory on the same day and there is evidence that the chilling process has begun.

GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-837372 recovered outside acceptance criteria, low biased, for 1,2-Dibromo-3-Chloropropane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-837372 recovered outside acceptance criteria, low biased, for Acetone. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The sample was analyzed outside the 7-day holding time specified for unpreserved samples but within the 14-day holding time specified for preserved samples: MW-85B (410-287134-1).

Method 8260D: The method requirement for no headspace was not met. The container (s) used for reanalysis of the following samples contained headspace: MW-85B (410-287134-1), MW-85A (410-287134-2), MW-30CR (410-287134-4) and Duplicate 6 (410-287134-9).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 218.6 - Dissolved: The continuing calibration verification (CCV) associated with batch 410-831239 recovered above the upper control limit for Cr (VI). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are :MW-13 (410-287134-3) and Field Blank 6 (410-287134-10).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

PFAS

Method 1633A: Due to TSS greater than 50 mg/L when compared to a visual standard, the samples were spiked with extracted internal standards, shaken and centrifuged. The aqueous portion was decanted into the original container and extracted. The affected samples are PZ-1 (410-287134-5), PZ-6 (410-287134-6), PZ-7 (410-287134-7) and PZ-9 (410-287134-8).

Method 1633A: The labeled isotopes 13C2 4:2 FTS and 13C2 6:2 FTS are outside QC acceptance limits. Since the recovery in

Eurofins Lancaster Laboratories Environment Testing, LLC

Case Narrative

Client: Groundwater & Environmental Services Inc
Project: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Job ID: 410-287134-1 (Continued)

Eurofins Lancaster Laboratories Environment

sample MW-13 (410-287134-3) is less than 350%, the data is reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals

Method 6020B - Dissolved: The following samples were not filtered within 15 minutes of sample collection as required by the method: MW-85B (410-287134-1), MW-85A (410-287134-2), MW-85A (410-287134-2[DU]), MW-85A (410-287134-2[MS]), MW-85A (410-287134-2[MSD]), MW-13 (410-287134-3), Duplicate 6 (410-287134-9) and Field Blank 6 (410-287134-10). The sample(s) was filtered prior to analysis at the laboratory, and the results have been reported. This does not meet regulatory requirements.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Client Sample ID: MW-85B

Lab Sample ID: 410-287134-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4-Methyl-2-pentanone	0.66	J cn	10	0.50	ug/L	1		8260D	Total/NA
Toluene	0.63	J cn	1.0	0.30	ug/L	1		8260D	Total/NA
Tetrachloroethene	16	cn	1.0	0.30	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	2.8	cn	1.0	0.30	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	1.4	J cn	2.0	0.70	ug/L	1		8260D	Total/NA
2-Hexanone	1.2	J cn	10	0.85	ug/L	1		8260D	Total/NA
Acetone	75	^c cn	20	0.70	ug/L	1		8260D	Total/NA
Chloroform	1.5	cn	1.0	0.30	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	4.9	cn	1.0	0.30	ug/L	1		8260D	Total/NA
2-Butanone	4.2	J cn	10	1.0	ug/L	1		8260D	Total/NA
Trichloroethene - DL	2200	cn	50	15	ug/L	50		8260D	Total/NA
Cr (VI)	0.15		0.010	0.0050	mg/L	1		218.6	Dissolved
Fluoride	3.2		2.0	1.0	mg/L	10		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	15		3.5	0.97	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	55		1.8	0.53	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	34		1.8	0.44	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	19		1.8	0.71	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	20		1.8	0.79	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	4.6		1.8	0.44	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.4		1.8	0.44	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.97	J	1.8	0.71	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.3		1.8	1.1	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	81		3.5	0.88	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	2.1	J	3.5	0.88	ng/L	1		1633A	Total/NA
3-Perfluoropentylpropanoic acid (5:3 FTCA)	6.2	J	8.8	2.5	ng/L	1		1633A	Total/NA
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.3	J	8.8	2.2	ng/L	1		1633A	Total/NA
Chromium	0.15	cn	0.0021	0.00057	mg/L	1		6020B	Dissolved
Nickel	0.0022	cn	0.0010	0.00041	mg/L	1		6020B	Dissolved

Client Sample ID: MW-85A

Lab Sample ID: 410-287134-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	2.4		1.0	0.30	ug/L	1		8260D	Total/NA
Tetrachloroethene	180	4	1.0	0.30	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	31		1.0	0.30	ug/L	1		8260D	Total/NA
Carbon tetrachloride	1.5		1.0	0.30	ug/L	1		8260D	Total/NA
Acetone	20	^c cn	20	0.70	ug/L	1		8260D	Total/NA
Chloroform	0.79	J	1.0	0.30	ug/L	1		8260D	Total/NA
Benzene	0.42	J	1.0	0.30	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	51		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	1.6		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	2.7	FH	1.0	0.30	ug/L	1		8260D	Total/NA
Freon 113	0.62	J FH	10	0.30	ug/L	1		8260D	Total/NA
Trichloroethene - DL	27000	cn	100	30	ug/L	100		8260D	Total/NA
Cr (VI)	0.097		0.010	0.0050	mg/L	1		218.6	Dissolved
Fluoride	4.4		2.0	1.0	mg/L	10		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	49		3.7	1.0	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	170	4	1.8	0.55	ng/L	1		1633A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Client Sample ID: MW-85A (Continued)

Lab Sample ID: 410-287134-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	130		1.8	0.46	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	70		1.8	0.73	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	90	FL	1.8	0.82	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	18		1.8	0.46	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.2	J	1.8	0.46	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.1	J	1.8	0.73	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.3		1.8	1.2	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	1.7	J	3.7	0.91	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	340	4	3.7	0.91	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	27		3.7	0.91	ng/L	1		1633A	Total/NA
3-Perfluoropentylpropanoic acid (5:3 FTCA)	7.1	J	9.1	2.6	ng/L	1		1633A	Total/NA
Chromium	0.093	cn	0.0021	0.00057	mg/L	1		6020B	Dissolved
Nickel	0.00047	J cn	0.0010	0.00041	mg/L	1		6020B	Dissolved

Client Sample ID: MW-13

Lab Sample ID: 410-287134-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	8.6		1.0	0.30	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	20		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	2.0		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	1.5		1.0	0.30	ug/L	1		8260D	Total/NA
Freon 113	1.7	J	10	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	58		1.0	0.30	ug/L	1		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	3.5	J	3.7	1.0	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	4.6		1.8	0.55	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	3.1		1.8	0.46	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	2.6		1.8	0.73	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	3.9		1.8	0.82	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	3.2		1.8	0.46	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	0.57	J	1.8	0.46	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.4		1.8	0.46	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.78	J I	1.8	0.73	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.7	J	1.8	1.2	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	1.1	J	3.7	0.91	ng/L	1		1633A	Total/NA
Nickel	0.0035	cn	0.0010	0.00041	mg/L	1		6020B	Dissolved

Client Sample ID: MW-30CR

Lab Sample ID: 410-287134-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tertiary butyl ether	1.1		1.0	0.20	ug/L	1		8260D	Total/NA
Acetone	4.8	J ^c cn	20	0.70	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	0.63	J	1.0	0.30	ug/L	1		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	35		3.6	0.99	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	98		1.8	0.54	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	64		1.8	0.45	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	31		1.8	0.72	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	42		1.8	0.81	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	11		1.8	0.45	ng/L	1		1633A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Client Sample ID: MW-30CR (Continued)

Lab Sample ID: 410-287134-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorodecanoic acid (PFDA)	1.2	J	1.8	0.45	ng/L	1		1633A	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.60	J	1.8	0.45	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.3	J	1.8	0.45	ng/L	1		1633A	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.52	J	1.8	0.45	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	3.4		1.8	0.72	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	9.5		1.8	1.2	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	3.0	J	3.6	0.90	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	39		3.6	0.90	ng/L	1		1633A	Total/NA
N-ethylperfluorooctanesulfonamidoacetic acid (NETFOSAA)	7.0		1.8	0.45	ng/L	1		1633A	Total/NA

Client Sample ID: PZ-1

Lab Sample ID: 410-287134-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	34		1.0	0.30	ug/L	1		8260D	Total/NA
Acetone	2.4	J ^c cn	20	0.70	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	7.3		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	4.8		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	5.1		1.0	0.30	ug/L	1		8260D	Total/NA
Freon 113	1.1	J	10	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	14		1.0	0.30	ug/L	1		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	19	cn	5.1	1.4	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	64	cn	2.5	0.76	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	35	cn	2.5	0.63	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	26	cn	2.5	1.0	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	22	cn	2.5	1.1	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	5.7	cn	2.5	0.63	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	4.2	cn	2.5	0.63	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.8	cn	2.5	1.0	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	8.0	cn	2.5	1.6	ng/L	1		1633A	Total/NA

Client Sample ID: PZ-6

Lab Sample ID: 410-287134-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	24		1.0	0.30	ug/L	1		8260D	Total/NA
Acetone	4.1	J ^c cn	20	0.70	ug/L	1		8260D	Total/NA
Chloroform	0.60	J	1.0	0.30	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	15		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	8.7		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	2.8		1.0	0.30	ug/L	1		8260D	Total/NA
Freon 113	0.89	J	10	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	22		1.0	0.30	ug/L	1		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	47	cn	3.5	0.96	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	150	cn	1.8	0.53	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	130	cn	1.8	0.44	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	33	cn	1.8	0.70	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	17	cn	1.8	0.79	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	4.8	cn	1.8	0.44	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	1.1	J cn	1.8	0.44	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	3.1	cn	1.8	0.44	ng/L	1		1633A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Client Sample ID: PZ-6 (Continued)

Lab Sample ID: 410-287134-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanesulfonic acid (PFHxS)	1.5	J cn	1.8	0.70	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	4.6	cn	1.8	1.1	ng/L	1		1633A	Total/NA

Client Sample ID: PZ-7

Lab Sample ID: 410-287134-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.8	J ^c cn	20	0.70	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	0.42	J	1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	0.40	J	1.0	0.30	ug/L	1		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	14	cn	3.5	0.97	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	45	cn	1.8	0.53	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	23	cn	1.8	0.44	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	19	cn	1.8	0.71	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	18	cn	1.8	0.79	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	4.4	cn	1.8	0.44	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	3.3	cn	1.8	0.44	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.2	cn	1.8	0.71	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	6.0	cn	1.8	1.1	ng/L	1		1633A	Total/NA

Client Sample ID: PZ-9

Lab Sample ID: 410-287134-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.99	J	1.0	0.30	ug/L	1		8260D	Total/NA
Chloroform	0.48	J	1.0	0.30	ug/L	1		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	6.8	cn	3.1	0.85	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	12	cn	1.6	0.47	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	7.6	cn	1.6	0.39	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	6.0	cn	1.6	0.62	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	8.9	cn	1.6	0.70	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	2.0	cn	1.6	0.39	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	3.5	cn	1.6	0.39	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	3.5	cn	1.6	0.62	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	11	cn	1.6	1.0	ng/L	1		1633A	Total/NA
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.1	J cn	7.8	2.2	ng/L	1		1633A	Total/NA

Client Sample ID: Duplicate 6

Lab Sample ID: 410-287134-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	2.5		1.0	0.30	ug/L	1		8260D	Total/NA
Tetrachloroethene	210		1.0	0.30	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	33		1.0	0.30	ug/L	1		8260D	Total/NA
Carbon tetrachloride	1.3		1.0	0.30	ug/L	1		8260D	Total/NA
Acetone	20	^c cn	20	0.70	ug/L	1		8260D	Total/NA
Chloroform	0.83	J	1.0	0.30	ug/L	1		8260D	Total/NA
Benzene	0.44	J	1.0	0.30	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	54		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	1.6		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	3.1		1.0	0.30	ug/L	1		8260D	Total/NA
Freon 113	0.72	J	10	0.30	ug/L	1		8260D	Total/NA
Trichloroethene - DL	28000	cn	100	30	ug/L	100		8260D	Total/NA
Cr (VI)	0.090		0.010	0.0050	mg/L	1		218.6	Dissolved
Fluoride	4.4		2.0	1.0	mg/L	10		9056A	Dissolved

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Client Sample ID: Duplicate 6 (Continued)

Lab Sample ID: 410-287134-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	49		3.4	0.93	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	190		1.7	0.51	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	110		1.7	0.42	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	81		1.7	0.68	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	83		1.7	0.76	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	17		1.7	0.42	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.0	J	1.7	0.42	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.91	J	1.7	0.68	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	7.5		1.7	1.1	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	1.4	J	3.4	0.85	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	310		3.4	0.85	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	18		3.4	0.85	ng/L	1		1633A	Total/NA
3-Perfluoropropylpropanoic acid (3:3 FTCA)	1.9	J	3.4	0.85	ng/L	1		1633A	Total/NA
3-Perfluoropentylpropanoic acid (5:3 FTCA)	6.2	J	8.5	2.4	ng/L	1		1633A	Total/NA
Chromium	0.093	cn	0.0021	0.00057	mg/L	1		6020B	Dissolved
Manganese	0.0020	J cn	0.0021	0.0013	mg/L	1		6020B	Dissolved
Nickel	0.00072	J cn	0.0010	0.00041	mg/L	1		6020B	Dissolved

Client Sample ID: Field Blank 6

Lab Sample ID: 410-287134-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.2	J ^c cn	20	0.70	ug/L	1		8260D	Total/NA
Chloroform	1.3		1.0	0.30	ug/L	1		8260D	Total/NA
Perfluorooctanesulfonic acid (PFOS)	9.4		1.6	1.0	ng/L	1		1633A	Total/NA
Manganese	0.0013	J cn	0.0021	0.0013	mg/L	1		6020B	Dissolved

Client Sample ID: TB060526

Lab Sample ID: 410-287134-11

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Client Sample ID: MW-85B

Lab Sample ID: 410-287134-1

Date Collected: 06/05/26 08:50

Matrix: Water

Date Received: 06/05/26 19:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND	cn	1.0	0.50	ug/L			06/18/26 12:26	1
trans-1,3-Dichloropropene	ND	cn	1.0	0.20	ug/L			06/18/26 12:26	1
Ethylbenzene	ND	cn	1.0	0.40	ug/L			06/18/26 12:26	1
Styrene	ND	cn	5.0	0.30	ug/L			06/18/26 12:26	1
1,4-Dichlorobenzene	ND	cn	5.0	0.30	ug/L			06/18/26 12:26	1
1,2-Dibromoethane	ND	cn	1.0	0.20	ug/L			06/18/26 12:26	1
1,2-Dichloroethane	ND	cn	1.0	0.30	ug/L			06/18/26 12:26	1
4-Methyl-2-pentanone	0.66	J cn	10	0.50	ug/L			06/18/26 12:26	1
Methylcyclohexane	ND	cn	5.0	0.50	ug/L			06/18/26 12:26	1
Toluene	0.63	J cn	1.0	0.30	ug/L			06/18/26 12:26	1
Chlorobenzene	ND	cn	1.0	0.30	ug/L			06/18/26 12:26	1
Cyclohexane	ND	cn	5.0	1.0	ug/L			06/18/26 12:26	1
1,2,4-Trichlorobenzene	ND	cn	5.0	0.30	ug/L			06/18/26 12:26	1
Dibromochloromethane	ND	cn	1.0	0.20	ug/L			06/18/26 12:26	1
Xylenes, Total	ND	cn	1.0	0.40	ug/L			06/18/26 12:26	1
Tetrachloroethene	16	cn	1.0	0.30	ug/L			06/18/26 12:26	1
cis-1,2-Dichloroethene	2.8	cn	1.0	0.30	ug/L			06/18/26 12:26	1
trans-1,2-Dichloroethene	1.4	J cn	2.0	0.70	ug/L			06/18/26 12:26	1
Methyl tertiary butyl ether	ND	cn	1.0	0.20	ug/L			06/18/26 12:26	1
1,3-Dichlorobenzene	ND	cn	5.0	0.68	ug/L			06/18/26 12:26	1
Carbon tetrachloride	ND	cn	1.0	0.30	ug/L			06/18/26 12:26	1
2-Hexanone	1.2	J cn	10	0.85	ug/L			06/18/26 12:26	1
Acetone	75	^c cn	20	0.70	ug/L			06/18/26 12:26	1
Chloroform	1.5	cn	1.0	0.30	ug/L			06/18/26 12:26	1
Benzene	ND	cn	1.0	0.30	ug/L			06/18/26 12:26	1
1,1,1-Trichloroethane	4.9	cn	1.0	0.30	ug/L			06/18/26 12:26	1
Bromomethane	ND	cn	1.0	0.30	ug/L			06/18/26 12:26	1
Chloromethane	ND	cn	2.0	0.55	ug/L			06/18/26 12:26	1
Chloroethane	ND	cn	1.0	0.30	ug/L			06/18/26 12:26	1
Vinyl chloride	ND	cn	1.0	0.30	ug/L			06/18/26 12:26	1
Methylene Chloride	ND	cn	1.0	0.30	ug/L			06/18/26 12:26	1
Carbon disulfide	ND	cn	5.0	0.30	ug/L			06/18/26 12:26	1
Bromoform	ND	cn	4.0	1.0	ug/L			06/18/26 12:26	1
Bromodichloromethane	ND	cn	1.0	0.20	ug/L			06/18/26 12:26	1
1,1-Dichloroethane	ND	cn	1.0	0.30	ug/L			06/18/26 12:26	1
1,1-Dichloroethene	ND	cn	1.0	0.30	ug/L			06/18/26 12:26	1
Trichlorofluoromethane	ND	cn	1.0	0.30	ug/L			06/18/26 12:26	1
Dichlorodifluoromethane	ND	cn	1.0	0.30	ug/L			06/18/26 12:26	1
Freon 113	ND	cn	10	0.30	ug/L			06/18/26 12:26	1
1,2-Dichloropropane	ND	cn	1.0	0.30	ug/L			06/18/26 12:26	1
2-Butanone	4.2	J cn	10	1.0	ug/L			06/18/26 12:26	1
1,1,2-Trichloroethane	ND	cn	1.0	0.30	ug/L			06/18/26 12:26	1
Methyl acetate	ND	cn	5.0	0.60	ug/L			06/18/26 12:26	1
1,1,2,2-Tetrachloroethane	ND	cn	1.0	0.30	ug/L			06/18/26 12:26	1
1,2-Dichlorobenzene	ND	cn	5.0	0.20	ug/L			06/18/26 12:26	1
1,2-Dibromo-3-Chloropropane	ND	^c cn	5.0	0.30	ug/L			06/18/26 12:26	1
Isopropylbenzene	ND	cn	5.0	0.30	ug/L			06/18/26 12:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104	cn	80 - 120		06/18/26 12:26	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Client Sample ID: MW-85B

Lab Sample ID: 410-287134-1

Date Collected: 06/05/26 08:50

Matrix: Water

Date Received: 06/05/26 19:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	94	cn	80 - 120		06/18/26 12:26	1
4-Bromofluorobenzene (Surr)	94	cn	80 - 120		06/18/26 12:26	1
Toluene-d8 (Surr)	98	cn	80 - 120		06/18/26 12:26	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	2200	cn	50	15	ug/L			06/19/26 10:48	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99	cn	80 - 120		06/19/26 10:48	50
Dibromofluoromethane (Surr)	112	cn	80 - 120		06/19/26 10:48	50
4-Bromofluorobenzene (Surr)	94	cn	80 - 120		06/19/26 10:48	50
Toluene-d8 (Surr)	90	cn	80 - 120		06/19/26 10:48	50

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.15		0.010	0.0050	mg/L			06/10/26 13:01	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	3.2		2.0	1.0	mg/L			06/18/26 19:01	10

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	15		3.5	0.97	ng/L		06/16/26 16:10	06/17/26 22:55	1
Perfluoropentanoic acid (PFPeA)	55		1.8	0.53	ng/L		06/16/26 16:10	06/17/26 22:55	1
Perfluorohexanoic acid (PFHxA)	34		1.8	0.44	ng/L		06/16/26 16:10	06/17/26 22:55	1
Perfluoroheptanoic acid (PFHpA)	19		1.8	0.71	ng/L		06/16/26 16:10	06/17/26 22:55	1
Perfluorooctanoic acid (PFOA)	20		1.8	0.79	ng/L		06/16/26 16:10	06/17/26 22:55	1
Perfluorononanoic acid (PFNA)	4.6		1.8	0.44	ng/L		06/16/26 16:10	06/17/26 22:55	1
Perfluorodecanoic acid (PFDA)	ND		1.8	0.44	ng/L		06/16/26 16:10	06/17/26 22:55	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.44	ng/L		06/16/26 16:10	06/17/26 22:55	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.44	ng/L		06/16/26 16:10	06/17/26 22:55	1
Perfluorotridecanoic acid (PFTTrDA)	ND		1.8	0.44	ng/L		06/16/26 16:10	06/17/26 22:55	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.8	0.44	ng/L		06/16/26 16:10	06/17/26 22:55	1
Perfluorobutanesulfonic acid (PFBS)	2.4		1.8	0.44	ng/L		06/16/26 16:10	06/17/26 22:55	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.8	0.44	ng/L		06/16/26 16:10	06/17/26 22:55	1
Perfluorohexanesulfonic acid (PFHxS)	0.97 J		1.8	0.71	ng/L		06/16/26 16:10	06/17/26 22:55	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.8	0.44	ng/L		06/16/26 16:10	06/17/26 22:55	1
Perfluorooctanesulfonic acid (PFOS)	2.3		1.8	1.1	ng/L		06/16/26 16:10	06/17/26 22:55	1
Perfluorononanesulfonic acid (PFNS)	ND		1.8	0.44	ng/L		06/16/26 16:10	06/17/26 22:55	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.44	ng/L		06/16/26 16:10	06/17/26 22:55	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.53	ng/L		06/16/26 16:10	06/17/26 22:55	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.5	0.88	ng/L		06/16/26 16:10	06/17/26 22:55	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Client Sample ID: MW-85B

Lab Sample ID: 410-287134-1

Date Collected: 06/05/26 08:50

Matrix: Water

Date Received: 06/05/26 19:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	81		3.5	0.88	ng/L		06/16/26 16:10	06/17/26 22:55	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	2.1	J	3.5	0.88	ng/L		06/16/26 16:10	06/17/26 22:55	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.44	ng/L		06/16/26 16:10	06/17/26 22:55	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.8	0.44	ng/L		06/16/26 16:10	06/17/26 22:55	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.8	0.97	ng/L		06/16/26 16:10	06/17/26 22:55	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.8	0.44	ng/L		06/16/26 16:10	06/17/26 22:55	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.8	0.44	ng/L		06/16/26 16:10	06/17/26 22:55	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.8	3.5	ng/L		06/16/26 16:10	06/17/26 22:55	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.8	3.5	ng/L		06/16/26 16:10	06/17/26 22:55	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.8	1.2	ng/L		06/16/26 16:10	06/17/26 22:55	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.8	0.44	ng/L		06/16/26 16:10	06/17/26 22:55	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.8	0.44	ng/L		06/16/26 16:10	06/17/26 22:55	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.8	0.44	ng/L		06/16/26 16:10	06/17/26 22:55	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.8	0.44	ng/L		06/16/26 16:10	06/17/26 22:55	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.8	0.44	ng/L		06/16/26 16:10	06/17/26 22:55	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.8	0.44	ng/L		06/16/26 16:10	06/17/26 22:55	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.8	0.44	ng/L		06/16/26 16:10	06/17/26 22:55	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.5	0.88	ng/L		06/16/26 16:10	06/17/26 22:55	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	6.2	J	8.8	2.5	ng/L		06/16/26 16:10	06/17/26 22:55	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.3	J	8.8	2.2	ng/L		06/16/26 16:10	06/17/26 22:55	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	81.2		5 - 130	06/16/26 16:10	06/17/26 22:55	1
13C5 PFPeA	72.7		40 - 130	06/16/26 16:10	06/17/26 22:55	1
13C5 PFHxA	76.5		40 - 130	06/16/26 16:10	06/17/26 22:55	1
13C4 PFHpA	73.9		40 - 130	06/16/26 16:10	06/17/26 22:55	1
13C8 PFOA	76.3		40 - 130	06/16/26 16:10	06/17/26 22:55	1
13C9 PFNA	85.5		40 - 130	06/16/26 16:10	06/17/26 22:55	1
13C6 PFDA	81.8		40 - 130	06/16/26 16:10	06/17/26 22:55	1
13C7 PFUnA	83.2		30 - 130	06/16/26 16:10	06/17/26 22:55	1
13C2 PFTeDA	83.3		10 - 130	06/16/26 16:10	06/17/26 22:55	1
13C3 PFBS	80.4		40 - 135	06/16/26 16:10	06/17/26 22:55	1
13C3 PFHxS	80.9		40 - 130	06/16/26 16:10	06/17/26 22:55	1
13C8 PFOS	89.1		40 - 130	06/16/26 16:10	06/17/26 22:55	1
13C8 FOSA	75.5		40 - 130	06/16/26 16:10	06/17/26 22:55	1
d3-NMeFOSAA	90.8		40 - 170	06/16/26 16:10	06/17/26 22:55	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Client Sample ID: MW-85B

Lab Sample ID: 410-287134-1

Date Collected: 06/05/26 08:50

Matrix: Water

Date Received: 06/05/26 19:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	102		25 - 135	06/16/26 16:10	06/17/26 22:55	1
13C2 4:2 FTS	177		40 - 200	06/16/26 16:10	06/17/26 22:55	1
13C2 6:2 FTS	133		40 - 200	06/16/26 16:10	06/17/26 22:55	1
13C2 8:2 FTS	111		40 - 300	06/16/26 16:10	06/17/26 22:55	1
13C3 HFPO-DA	81.4		40 - 130	06/16/26 16:10	06/17/26 22:55	1
d7-N-MeFOSE-M	71.9		10 - 130	06/16/26 16:10	06/17/26 22:55	1
d9-N-EtFOSE-M	71.6		10 - 130	06/16/26 16:10	06/17/26 22:55	1
d5-NEtPFOSA	63.8		10 - 130	06/16/26 16:10	06/17/26 22:55	1
d3-NMePFOSA	68.2		10 - 130	06/16/26 16:10	06/17/26 22:55	1
13C2 PFDoA	79.6		10 - 130	06/16/26 16:10	06/17/26 22:55	1
13C3-3:3 FTCA	82.7		20 - 150	06/16/26 16:10	06/17/26 22:55	1
13C3-5:3 FTCA	82.9		20 - 150	06/16/26 16:10	06/17/26 22:55	1
13C3-PFDoS	63.9		20 - 150	06/16/26 16:10	06/17/26 22:55	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.15	cn	0.0021	0.00057	mg/L		06/16/26 01:45	06/16/26 11:59	1
Manganese	ND	cn	0.0021	0.0013	mg/L		06/16/26 01:45	06/16/26 11:59	1
Nickel	0.0022	cn	0.0010	0.00041	mg/L		06/16/26 01:45	06/16/26 11:59	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Client Sample ID: MW-85A

Lab Sample ID: 410-287134-2

Date Collected: 06/05/26 10:20

Matrix: Water

Date Received: 06/05/26 19:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/18/26 15:26	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/18/26 15:26	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/18/26 15:26	1
Styrene	ND		5.0	0.30	ug/L			06/18/26 15:26	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 15:26	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/18/26 15:26	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/18/26 15:26	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/18/26 15:26	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/18/26 15:26	1
Toluene	2.4		1.0	0.30	ug/L			06/18/26 15:26	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/18/26 15:26	1
Cyclohexane	ND		5.0	1.0	ug/L			06/18/26 15:26	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 15:26	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/18/26 15:26	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/18/26 15:26	1
Tetrachloroethene	180	4	1.0	0.30	ug/L			06/18/26 15:26	1
cis-1,2-Dichloroethene	31		1.0	0.30	ug/L			06/18/26 15:26	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/18/26 15:26	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/18/26 15:26	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/18/26 15:26	1
Carbon tetrachloride	1.5		1.0	0.30	ug/L			06/18/26 15:26	1
2-Hexanone	ND		10	0.85	ug/L			06/18/26 15:26	1
Acetone	20	^c cn	20	0.70	ug/L			06/18/26 15:26	1
Chloroform	0.79	J	1.0	0.30	ug/L			06/18/26 15:26	1
Benzene	0.42	J	1.0	0.30	ug/L			06/18/26 15:26	1
1,1,1-Trichloroethane	51		1.0	0.30	ug/L			06/18/26 15:26	1
Bromomethane	ND		1.0	0.30	ug/L			06/18/26 15:26	1
Chloromethane	ND		2.0	0.55	ug/L			06/18/26 15:26	1
Chloroethane	ND		1.0	0.30	ug/L			06/18/26 15:26	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/18/26 15:26	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/18/26 15:26	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/18/26 15:26	1
Bromoform	ND		4.0	1.0	ug/L			06/18/26 15:26	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/18/26 15:26	1
1,1-Dichloroethane	1.6		1.0	0.30	ug/L			06/18/26 15:26	1
1,1-Dichloroethene	2.7	FH	1.0	0.30	ug/L			06/18/26 15:26	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/18/26 15:26	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/18/26 15:26	1
Freon 113	0.62	J FH	10	0.30	ug/L			06/18/26 15:26	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/18/26 15:26	1
2-Butanone	ND		10	1.0	ug/L			06/18/26 15:26	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/18/26 15:26	1
Methyl acetate	ND		5.0	0.60	ug/L			06/18/26 15:26	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/18/26 15:26	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/18/26 15:26	1
1,2-Dibromo-3-Chloropropane	ND	^c cn	5.0	0.30	ug/L			06/18/26 15:26	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/18/26 15:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		80 - 120		06/18/26 15:26	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Client Sample ID: MW-85A

Lab Sample ID: 410-287134-2

Date Collected: 06/05/26 10:20

Matrix: Water

Date Received: 06/05/26 19:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	96		80 - 120		06/18/26 15:26	1
4-Bromofluorobenzene (Surr)	90		80 - 120		06/18/26 15:26	1
Toluene-d8 (Surr)	100		80 - 120		06/18/26 15:26	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	27000	cn	100	30	ug/L			06/19/26 11:09	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104	cn	80 - 120		06/19/26 11:09	100
Dibromofluoromethane (Surr)	113	cn	80 - 120		06/19/26 11:09	100
4-Bromofluorobenzene (Surr)	93	cn	80 - 120		06/19/26 11:09	100
Toluene-d8 (Surr)	91	cn	80 - 120		06/19/26 11:09	100

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.097		0.010	0.0050	mg/L			06/10/26 12:30	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	4.4		2.0	1.0	mg/L			06/18/26 20:35	10

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	49		3.7	1.0	ng/L		06/29/26 07:14	06/29/26 20:32	1
Perfluoropentanoic acid (PFPeA)	170	4	1.8	0.55	ng/L		06/29/26 07:14	06/29/26 20:32	1
Perfluorohexanoic acid (PFHxA)	130		1.8	0.46	ng/L		06/29/26 07:14	06/29/26 20:32	1
Perfluoroheptanoic acid (PFHpA)	70		1.8	0.73	ng/L		06/29/26 07:14	06/29/26 20:32	1
Perfluorooctanoic acid (PFOA)	90	FL	1.8	0.82	ng/L		06/29/26 07:14	06/29/26 20:32	1
Perfluorononanoic acid (PFNA)	18		1.8	0.46	ng/L		06/29/26 07:14	06/29/26 20:32	1
Perfluorodecanoic acid (PFDA)	ND		1.8	0.46	ng/L		06/29/26 07:14	06/29/26 20:32	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.46	ng/L		06/29/26 07:14	06/29/26 20:32	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.46	ng/L		06/29/26 07:14	06/29/26 20:32	1
Perfluorotridecanoic acid (PFTTrDA)	ND		1.8	0.46	ng/L		06/29/26 07:14	06/29/26 20:32	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.8	0.46	ng/L		06/29/26 07:14	06/29/26 20:32	1
Perfluorobutanesulfonic acid (PFBS)	1.2	J	1.8	0.46	ng/L		06/29/26 07:14	06/29/26 20:32	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.8	0.46	ng/L		06/29/26 07:14	06/29/26 20:32	1
Perfluorohexanesulfonic acid (PFHxS)	1.1	J	1.8	0.73	ng/L		06/29/26 07:14	06/29/26 20:32	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.8	0.46	ng/L		06/29/26 07:14	06/29/26 20:32	1
Perfluorooctanesulfonic acid (PFOS)	2.3		1.8	1.2	ng/L		06/29/26 07:14	06/29/26 20:32	1
Perfluorononanesulfonic acid (PFNS)	ND		1.8	0.46	ng/L		06/29/26 07:14	06/29/26 20:32	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.46	ng/L		06/29/26 07:14	06/29/26 20:32	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.55	ng/L		06/29/26 07:14	06/29/26 20:32	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	1.7	J	3.7	0.91	ng/L		06/29/26 07:14	06/29/26 20:32	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Client Sample ID: MW-85A

Lab Sample ID: 410-287134-2

Date Collected: 06/05/26 10:20

Matrix: Water

Date Received: 06/05/26 19:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	340	4	3.7	0.91	ng/L		06/29/26 07:14	06/29/26 20:32	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	27		3.7	0.91	ng/L		06/29/26 07:14	06/29/26 20:32	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.46	ng/L		06/29/26 07:14	06/29/26 20:32	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.8	0.46	ng/L		06/29/26 07:14	06/29/26 20:32	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.8	1.0	ng/L		06/29/26 07:14	06/29/26 20:32	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.8	0.46	ng/L		06/29/26 07:14	06/29/26 20:32	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.8	0.46	ng/L		06/29/26 07:14	06/29/26 20:32	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		9.1	3.7	ng/L		06/29/26 07:14	06/29/26 20:32	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		9.1	3.7	ng/L		06/29/26 07:14	06/29/26 20:32	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.8	1.3	ng/L		06/29/26 07:14	06/29/26 20:32	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.8	0.46	ng/L		06/29/26 07:14	06/29/26 20:32	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.8	0.46	ng/L		06/29/26 07:14	06/29/26 20:32	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.8	0.46	ng/L		06/29/26 07:14	06/29/26 20:32	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.8	0.46	ng/L		06/29/26 07:14	06/29/26 20:32	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.8	0.46	ng/L		06/29/26 07:14	06/29/26 20:32	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.8	0.46	ng/L		06/29/26 07:14	06/29/26 20:32	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.8	0.46	ng/L		06/29/26 07:14	06/29/26 20:32	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.7	0.91	ng/L		06/29/26 07:14	06/29/26 20:32	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	7.1	J	9.1	2.6	ng/L		06/29/26 07:14	06/29/26 20:32	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		9.1	2.3	ng/L		06/29/26 07:14	06/29/26 20:32	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	78.7		5 - 130	06/29/26 07:14	06/29/26 20:32	1
13C5 PFPeA	69.8		40 - 130	06/29/26 07:14	06/29/26 20:32	1
13C5 PFHxA	68.2		40 - 130	06/29/26 07:14	06/29/26 20:32	1
13C4 PFHpA	69.5		40 - 130	06/29/26 07:14	06/29/26 20:32	1
13C8 PFOA	64.9		40 - 130	06/29/26 07:14	06/29/26 20:32	1
13C9 PFNA	68.5		40 - 130	06/29/26 07:14	06/29/26 20:32	1
13C6 PFDA	69.7		40 - 130	06/29/26 07:14	06/29/26 20:32	1
13C7 PFUnA	72.7		30 - 130	06/29/26 07:14	06/29/26 20:32	1
13C2 PFTeDA	61.1		10 - 130	06/29/26 07:14	06/29/26 20:32	1
13C3 PFBS	73.7		40 - 135	06/29/26 07:14	06/29/26 20:32	1
13C3 PFHxS	66.8		40 - 130	06/29/26 07:14	06/29/26 20:32	1
13C8 PFOS	63.3		40 - 130	06/29/26 07:14	06/29/26 20:32	1
13C8 FOSA	65.6		40 - 130	06/29/26 07:14	06/29/26 20:32	1
d3-NMeFOSAA	78.5		40 - 170	06/29/26 07:14	06/29/26 20:32	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Client Sample ID: MW-85A

Lab Sample ID: 410-287134-2

Date Collected: 06/05/26 10:20

Matrix: Water

Date Received: 06/05/26 19:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	147	*5+	25 - 135	06/29/26 07:14	06/29/26 20:32	1
13C2 4:2 FTS	195		40 - 200	06/29/26 07:14	06/29/26 20:32	1
13C2 6:2 FTS	89.2		40 - 200	06/29/26 07:14	06/29/26 20:32	1
13C2 8:2 FTS	47.6		40 - 300	06/29/26 07:14	06/29/26 20:32	1
13C3 HFPO-DA	59.6		40 - 130	06/29/26 07:14	06/29/26 20:32	1
d7-N-MeFOSE-M	57.0		10 - 130	06/29/26 07:14	06/29/26 20:32	1
d9-N-EtFOSE-M	55.9		10 - 130	06/29/26 07:14	06/29/26 20:32	1
d5-NEtPFOSA	49.9		10 - 130	06/29/26 07:14	06/29/26 20:32	1
d3-NMePFOSA	56.6		10 - 130	06/29/26 07:14	06/29/26 20:32	1
13C2 PFDoA	65.2		10 - 130	06/29/26 07:14	06/29/26 20:32	1
13C3-3:3 FTCA	74.1		20 - 150	06/29/26 07:14	06/29/26 20:32	1
13C3-5:3 FTCA	76.2		20 - 150	06/29/26 07:14	06/29/26 20:32	1
13C3-PFDoS	58.9		20 - 150	06/29/26 07:14	06/29/26 20:32	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.093	cn	0.0021	0.00057	mg/L		06/16/26 01:45	06/16/26 12:03	1
Manganese	ND	cn	0.0021	0.0013	mg/L		06/16/26 01:45	06/16/26 12:03	1
Nickel	0.00047	J cn	0.0010	0.00041	mg/L		06/16/26 01:45	06/16/26 12:03	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Client Sample ID: MW-13

Lab Sample ID: 410-287134-3

Date Collected: 06/05/26 11:45

Matrix: Water

Date Received: 06/05/26 19:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/18/26 12:48	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/18/26 12:48	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/18/26 12:48	1
Styrene	ND		5.0	0.30	ug/L			06/18/26 12:48	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 12:48	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/18/26 12:48	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/18/26 12:48	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/18/26 12:48	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/18/26 12:48	1
Toluene	ND		1.0	0.30	ug/L			06/18/26 12:48	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/18/26 12:48	1
Cyclohexane	ND		5.0	1.0	ug/L			06/18/26 12:48	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 12:48	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/18/26 12:48	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/18/26 12:48	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/18/26 12:48	1
cis-1,2-Dichloroethene	8.6		1.0	0.30	ug/L			06/18/26 12:48	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/18/26 12:48	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/18/26 12:48	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/18/26 12:48	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/18/26 12:48	1
2-Hexanone	ND		10	0.85	ug/L			06/18/26 12:48	1
Acetone	ND	^c cn	20	0.70	ug/L			06/18/26 12:48	1
Chloroform	ND		1.0	0.30	ug/L			06/18/26 12:48	1
Benzene	ND		1.0	0.30	ug/L			06/18/26 12:48	1
1,1,1-Trichloroethane	20		1.0	0.30	ug/L			06/18/26 12:48	1
Bromomethane	ND		1.0	0.30	ug/L			06/18/26 12:48	1
Chloromethane	ND		2.0	0.55	ug/L			06/18/26 12:48	1
Chloroethane	ND		1.0	0.30	ug/L			06/18/26 12:48	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/18/26 12:48	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/18/26 12:48	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/18/26 12:48	1
Bromoform	ND		4.0	1.0	ug/L			06/18/26 12:48	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/18/26 12:48	1
1,1-Dichloroethane	2.0		1.0	0.30	ug/L			06/18/26 12:48	1
1,1-Dichloroethene	1.5		1.0	0.30	ug/L			06/18/26 12:48	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/18/26 12:48	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/18/26 12:48	1
Freon 113	1.7 J		10	0.30	ug/L			06/18/26 12:48	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/18/26 12:48	1
2-Butanone	ND		10	1.0	ug/L			06/18/26 12:48	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/18/26 12:48	1
Trichloroethene	58		1.0	0.30	ug/L			06/18/26 12:48	1
Methyl acetate	ND		5.0	0.60	ug/L			06/18/26 12:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/18/26 12:48	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/18/26 12:48	1
1,2-Dibromo-3-Chloropropane	ND	^c cn	5.0	0.30	ug/L			06/18/26 12:48	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/18/26 12:48	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Client Sample ID: MW-13

Lab Sample ID: 410-287134-3

Date Collected: 06/05/26 11:45

Matrix: Water

Date Received: 06/05/26 19:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		06/18/26 12:48	1
Dibromofluoromethane (Surr)	102		80 - 120		06/18/26 12:48	1
4-Bromofluorobenzene (Surr)	93		80 - 120		06/18/26 12:48	1
Toluene-d8 (Surr)	96		80 - 120		06/18/26 12:48	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND	^+ cn	0.010	0.0050	mg/L			06/08/26 13:17	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	3.5	J	3.7	1.0	ng/L		06/16/26 16:10	06/17/26 22:01	1
Perfluoropentanoic acid (PFPeA)	4.6		1.8	0.55	ng/L		06/16/26 16:10	06/17/26 22:01	1
Perfluorohexanoic acid (PFHxA)	3.1		1.8	0.46	ng/L		06/16/26 16:10	06/17/26 22:01	1
Perfluoroheptanoic acid (PFHpA)	2.6		1.8	0.73	ng/L		06/16/26 16:10	06/17/26 22:01	1
Perfluorooctanoic acid (PFOA)	3.9		1.8	0.82	ng/L		06/16/26 16:10	06/17/26 22:01	1
Perfluorononanoic acid (PFNA)	3.2		1.8	0.46	ng/L		06/16/26 16:10	06/17/26 22:01	1
Perfluorodecanoic acid (PFDA)	0.57	J	1.8	0.46	ng/L		06/16/26 16:10	06/17/26 22:01	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.46	ng/L		06/16/26 16:10	06/17/26 22:01	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.46	ng/L		06/16/26 16:10	06/17/26 22:01	1
Perfluorotridecanoic acid (PFTTrDA)	ND		1.8	0.46	ng/L		06/16/26 16:10	06/17/26 22:01	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.8	0.46	ng/L		06/16/26 16:10	06/17/26 22:01	1
Perfluorobutanesulfonic acid (PFBS)	2.4		1.8	0.46	ng/L		06/16/26 16:10	06/17/26 22:01	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.8	0.46	ng/L		06/16/26 16:10	06/17/26 22:01	1
Perfluorohexanesulfonic acid (PFHxS)	0.78	J I	1.8	0.73	ng/L		06/16/26 16:10	06/17/26 22:01	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.8	0.46	ng/L		06/16/26 16:10	06/17/26 22:01	1
Perfluorooctanesulfonic acid (PFOS)	1.7	J	1.8	1.2	ng/L		06/16/26 16:10	06/17/26 22:01	1
Perfluorononanesulfonic acid (PFNS)	ND		1.8	0.46	ng/L		06/16/26 16:10	06/17/26 22:01	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.46	ng/L		06/16/26 16:10	06/17/26 22:01	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.55	ng/L		06/16/26 16:10	06/17/26 22:01	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.7	0.91	ng/L		06/16/26 16:10	06/17/26 22:01	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	1.1	J	3.7	0.91	ng/L		06/16/26 16:10	06/17/26 22:01	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.7	0.91	ng/L		06/16/26 16:10	06/17/26 22:01	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.46	ng/L		06/16/26 16:10	06/17/26 22:01	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.8	0.46	ng/L		06/16/26 16:10	06/17/26 22:01	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.8	1.0	ng/L		06/16/26 16:10	06/17/26 22:01	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.8	0.46	ng/L		06/16/26 16:10	06/17/26 22:01	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.8	0.46	ng/L		06/16/26 16:10	06/17/26 22:01	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		9.1	3.7	ng/L		06/16/26 16:10	06/17/26 22:01	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Client Sample ID: MW-13

Lab Sample ID: 410-287134-3

Date Collected: 06/05/26 11:45

Matrix: Water

Date Received: 06/05/26 19:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctane sulfonamidoethanol (NETFOSE)	ND		9.1	3.7	ng/L		06/16/26 16:10	06/17/26 22:01	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.8	1.3	ng/L		06/16/26 16:10	06/17/26 22:01	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.8	0.46	ng/L		06/16/26 16:10	06/17/26 22:01	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.8	0.46	ng/L		06/16/26 16:10	06/17/26 22:01	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.8	0.46	ng/L		06/16/26 16:10	06/17/26 22:01	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.8	0.46	ng/L		06/16/26 16:10	06/17/26 22:01	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.8	0.46	ng/L		06/16/26 16:10	06/17/26 22:01	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.8	0.46	ng/L		06/16/26 16:10	06/17/26 22:01	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.8	0.46	ng/L		06/16/26 16:10	06/17/26 22:01	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.7	0.91	ng/L		06/16/26 16:10	06/17/26 22:01	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		9.1	2.6	ng/L		06/16/26 16:10	06/17/26 22:01	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		9.1	2.3	ng/L		06/16/26 16:10	06/17/26 22:01	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	75.1		5 - 130	06/16/26 16:10	06/17/26 22:01	1
13C5 PFPeA	58.7		40 - 130	06/16/26 16:10	06/17/26 22:01	1
13C5 PFHxA	72.1		40 - 130	06/16/26 16:10	06/17/26 22:01	1
13C4 PFHpA	70.1		40 - 130	06/16/26 16:10	06/17/26 22:01	1
13C8 PFOA	74.1		40 - 130	06/16/26 16:10	06/17/26 22:01	1
13C9 PFNA	83.2		40 - 130	06/16/26 16:10	06/17/26 22:01	1
13C6 PFDA	85.1		40 - 130	06/16/26 16:10	06/17/26 22:01	1
13C7 PFUnA	87.2		30 - 130	06/16/26 16:10	06/17/26 22:01	1
13C2 PFTeDA	84.2		10 - 130	06/16/26 16:10	06/17/26 22:01	1
13C3 PFBS	79.2		40 - 135	06/16/26 16:10	06/17/26 22:01	1
13C3 PFHxS	82.1		40 - 130	06/16/26 16:10	06/17/26 22:01	1
13C8 PFOS	85.5		40 - 130	06/16/26 16:10	06/17/26 22:01	1
13C8 FOSA	83.7		40 - 130	06/16/26 16:10	06/17/26 22:01	1
d3-NMeFOSAA	110		40 - 170	06/16/26 16:10	06/17/26 22:01	1
d5-NEtFOSAA	110		25 - 135	06/16/26 16:10	06/17/26 22:01	1
13C2 4:2 FTS	238	*5+ cn	40 - 200	06/16/26 16:10	06/17/26 22:01	1
13C2 6:2 FTS	227	*5+ cn	40 - 200	06/16/26 16:10	06/17/26 22:01	1
13C2 8:2 FTS	150		40 - 300	06/16/26 16:10	06/17/26 22:01	1
13C3 HFPO-DA	75.4		40 - 130	06/16/26 16:10	06/17/26 22:01	1
d7-N-MeFOSE-M	50.5		10 - 130	06/16/26 16:10	06/17/26 22:01	1
d9-N-EtFOSE-M	46.6		10 - 130	06/16/26 16:10	06/17/26 22:01	1
d5-NEtPFOSA	68.9		10 - 130	06/16/26 16:10	06/17/26 22:01	1
d3-NMePFOSA	71.1		10 - 130	06/16/26 16:10	06/17/26 22:01	1
13C2 PFDoA	80.3		10 - 130	06/16/26 16:10	06/17/26 22:01	1
13C3-3:3 FTCA	80.8		20 - 150	06/16/26 16:10	06/17/26 22:01	1
13C3-5:3 FTCA	91.5		20 - 150	06/16/26 16:10	06/17/26 22:01	1
13C3-PFDoS	67.7		20 - 150	06/16/26 16:10	06/17/26 22:01	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Client Sample ID: MW-13

Lab Sample ID: 410-287134-3

Date Collected: 06/05/26 11:45

Matrix: Water

Date Received: 06/05/26 19:15

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND	cn	0.0021	0.00057	mg/L		06/16/26 01:45	06/16/26 12:01	1
Manganese	ND	cn	0.0021	0.0013	mg/L		06/16/26 01:45	06/16/26 12:01	1
Nickel	0.0035	cn	0.0010	0.00041	mg/L		06/16/26 01:45	06/16/26 12:01	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Client Sample ID: MW-30CR

Lab Sample ID: 410-287134-4

Date Collected: 06/05/26 12:10

Matrix: Water

Date Received: 06/05/26 19:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/18/26 13:10	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/18/26 13:10	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/18/26 13:10	1
Styrene	ND		5.0	0.30	ug/L			06/18/26 13:10	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 13:10	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/18/26 13:10	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/18/26 13:10	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/18/26 13:10	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/18/26 13:10	1
Toluene	ND		1.0	0.30	ug/L			06/18/26 13:10	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/18/26 13:10	1
Cyclohexane	ND		5.0	1.0	ug/L			06/18/26 13:10	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 13:10	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/18/26 13:10	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/18/26 13:10	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/18/26 13:10	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/18/26 13:10	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/18/26 13:10	1
Methyl tertiary butyl ether	1.1		1.0	0.20	ug/L			06/18/26 13:10	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/18/26 13:10	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/18/26 13:10	1
2-Hexanone	ND		10	0.85	ug/L			06/18/26 13:10	1
Acetone	4.8	J ^c cn	20	0.70	ug/L			06/18/26 13:10	1
Chloroform	ND		1.0	0.30	ug/L			06/18/26 13:10	1
Benzene	ND		1.0	0.30	ug/L			06/18/26 13:10	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/18/26 13:10	1
Bromomethane	ND		1.0	0.30	ug/L			06/18/26 13:10	1
Chloromethane	ND		2.0	0.55	ug/L			06/18/26 13:10	1
Chloroethane	ND		1.0	0.30	ug/L			06/18/26 13:10	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/18/26 13:10	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/18/26 13:10	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/18/26 13:10	1
Bromoform	ND		4.0	1.0	ug/L			06/18/26 13:10	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/18/26 13:10	1
1,1-Dichloroethane	0.63	J	1.0	0.30	ug/L			06/18/26 13:10	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/18/26 13:10	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/18/26 13:10	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/18/26 13:10	1
Freon 113	ND		10	0.30	ug/L			06/18/26 13:10	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/18/26 13:10	1
2-Butanone	ND		10	1.0	ug/L			06/18/26 13:10	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/18/26 13:10	1
Trichloroethene	ND	cn	1.0	0.30	ug/L			06/19/26 10:28	1
Methyl acetate	ND		5.0	0.60	ug/L			06/18/26 13:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/18/26 13:10	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/18/26 13:10	1
1,2-Dibromo-3-Chloropropane	ND	^c cn	5.0	0.30	ug/L			06/18/26 13:10	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/18/26 13:10	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Client Sample ID: MW-30CR

Lab Sample ID: 410-287134-4

Date Collected: 06/05/26 12:10

Matrix: Water

Date Received: 06/05/26 19:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		80 - 120		06/18/26 13:10	1
1,2-Dichloroethane-d4 (Surr)	103	cn	80 - 120		06/19/26 10:28	1
Dibromofluoromethane (Surr)	99		80 - 120		06/18/26 13:10	1
Dibromofluoromethane (Surr)	111	cn	80 - 120		06/19/26 10:28	1
4-Bromofluorobenzene (Surr)	94		80 - 120		06/18/26 13:10	1
4-Bromofluorobenzene (Surr)	95	cn	80 - 120		06/19/26 10:28	1
Toluene-d8 (Surr)	96		80 - 120		06/18/26 13:10	1
Toluene-d8 (Surr)	92	cn	80 - 120		06/19/26 10:28	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	35		3.6	0.99	ng/L		06/16/26 16:10	06/17/26 22:14	1
Perfluoropentanoic acid (PFPeA)	98		1.8	0.54	ng/L		06/16/26 16:10	06/17/26 22:14	1
Perfluorohexanoic acid (PFHxA)	64		1.8	0.45	ng/L		06/16/26 16:10	06/17/26 22:14	1
Perfluoroheptanoic acid (PFHpA)	31		1.8	0.72	ng/L		06/16/26 16:10	06/17/26 22:14	1
Perfluorooctanoic acid (PFOA)	42		1.8	0.81	ng/L		06/16/26 16:10	06/17/26 22:14	1
Perfluorononanoic acid (PFNA)	11		1.8	0.45	ng/L		06/16/26 16:10	06/17/26 22:14	1
Perfluorodecanoic acid (PFDA)	1.2	J	1.8	0.45	ng/L		06/16/26 16:10	06/17/26 22:14	1
Perfluoroundecanoic acid (PFUnA)	0.60	J	1.8	0.45	ng/L		06/16/26 16:10	06/17/26 22:14	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.45	ng/L		06/16/26 16:10	06/17/26 22:14	1
Perfluorotridecanoic acid (PFTeDA)	ND		1.8	0.45	ng/L		06/16/26 16:10	06/17/26 22:14	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.8	0.45	ng/L		06/16/26 16:10	06/17/26 22:14	1
Perfluorobutanesulfonic acid (PFBS)	1.3	J	1.8	0.45	ng/L		06/16/26 16:10	06/17/26 22:14	1
Perfluoropentanesulfonic acid (PFPeS)	0.52	J	1.8	0.45	ng/L		06/16/26 16:10	06/17/26 22:14	1
Perfluorohexanesulfonic acid (PFHxS)	3.4		1.8	0.72	ng/L		06/16/26 16:10	06/17/26 22:14	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.8	0.45	ng/L		06/16/26 16:10	06/17/26 22:14	1
Perfluorooctanesulfonic acid (PFOS)	9.5		1.8	1.2	ng/L		06/16/26 16:10	06/17/26 22:14	1
Perfluorononanesulfonic acid (PFNS)	ND		1.8	0.45	ng/L		06/16/26 16:10	06/17/26 22:14	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.45	ng/L		06/16/26 16:10	06/17/26 22:14	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.54	ng/L		06/16/26 16:10	06/17/26 22:14	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	3.0	J	3.6	0.90	ng/L		06/16/26 16:10	06/17/26 22:14	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	39		3.6	0.90	ng/L		06/16/26 16:10	06/17/26 22:14	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.6	0.90	ng/L		06/16/26 16:10	06/17/26 22:14	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.45	ng/L		06/16/26 16:10	06/17/26 22:14	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.8	0.45	ng/L		06/16/26 16:10	06/17/26 22:14	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.8	0.99	ng/L		06/16/26 16:10	06/17/26 22:14	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.8	0.45	ng/L		06/16/26 16:10	06/17/26 22:14	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	7.0		1.8	0.45	ng/L		06/16/26 16:10	06/17/26 22:14	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		9.0	3.6	ng/L		06/16/26 16:10	06/17/26 22:14	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Client Sample ID: MW-30CR

Lab Sample ID: 410-287134-4

Date Collected: 06/05/26 12:10

Matrix: Water

Date Received: 06/05/26 19:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctane sulfonamidoethanol (NETFOSE)	ND		9.0	3.6	ng/L		06/16/26 16:10	06/17/26 22:14	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.8	1.3	ng/L		06/16/26 16:10	06/17/26 22:14	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.8	0.45	ng/L		06/16/26 16:10	06/17/26 22:14	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.8	0.45	ng/L		06/16/26 16:10	06/17/26 22:14	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.8	0.45	ng/L		06/16/26 16:10	06/17/26 22:14	1
Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	ND		1.8	0.45	ng/L		06/16/26 16:10	06/17/26 22:14	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.8	0.45	ng/L		06/16/26 16:10	06/17/26 22:14	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.8	0.45	ng/L		06/16/26 16:10	06/17/26 22:14	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.8	0.45	ng/L		06/16/26 16:10	06/17/26 22:14	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.6	0.90	ng/L		06/16/26 16:10	06/17/26 22:14	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		9.0	2.5	ng/L		06/16/26 16:10	06/17/26 22:14	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		9.0	2.3	ng/L		06/16/26 16:10	06/17/26 22:14	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	72.2		5 - 130	06/16/26 16:10	06/17/26 22:14	1
13C5 PFPeA	69.8		40 - 130	06/16/26 16:10	06/17/26 22:14	1
13C5 PFHxA	70.2		40 - 130	06/16/26 16:10	06/17/26 22:14	1
13C4 PFHpA	67.3		40 - 130	06/16/26 16:10	06/17/26 22:14	1
13C8 PFOA	71.9		40 - 130	06/16/26 16:10	06/17/26 22:14	1
13C9 PFNA	77.9		40 - 130	06/16/26 16:10	06/17/26 22:14	1
13C6 PFDA	80.9		40 - 130	06/16/26 16:10	06/17/26 22:14	1
13C7 PFUnA	77.6		30 - 130	06/16/26 16:10	06/17/26 22:14	1
13C2 PFTeDA	33.9		10 - 130	06/16/26 16:10	06/17/26 22:14	1
13C3 PFBS	74.3		40 - 135	06/16/26 16:10	06/17/26 22:14	1
13C3 PFHxS	74.6		40 - 130	06/16/26 16:10	06/17/26 22:14	1
13C8 PFOS	79.3		40 - 130	06/16/26 16:10	06/17/26 22:14	1
13C8 FOSA	70.1		40 - 130	06/16/26 16:10	06/17/26 22:14	1
d3-NMeFOSAA	84.0		40 - 170	06/16/26 16:10	06/17/26 22:14	1
d5-NEtFOSAA	80.3		25 - 135	06/16/26 16:10	06/17/26 22:14	1
13C2 4:2 FTS	137		40 - 200	06/16/26 16:10	06/17/26 22:14	1
13C2 6:2 FTS	114		40 - 200	06/16/26 16:10	06/17/26 22:14	1
13C2 8:2 FTS	88.7		40 - 300	06/16/26 16:10	06/17/26 22:14	1
13C3 HFPO-DA	69.0		40 - 130	06/16/26 16:10	06/17/26 22:14	1
d7-N-MeFOSE-M	33.2		10 - 130	06/16/26 16:10	06/17/26 22:14	1
d9-N-EtFOSE-M	27.0		10 - 130	06/16/26 16:10	06/17/26 22:14	1
d5-NEtPFOSA	53.2		10 - 130	06/16/26 16:10	06/17/26 22:14	1
d3-NMePFOSA	58.6		10 - 130	06/16/26 16:10	06/17/26 22:14	1
13C2 PFDoA	61.8		10 - 130	06/16/26 16:10	06/17/26 22:14	1
13C3-3:3 FTCA	90.6		20 - 150	06/16/26 16:10	06/17/26 22:14	1
13C3-5:3 FTCA	74.5		20 - 150	06/16/26 16:10	06/17/26 22:14	1
13C3-PFDoS	20.8		20 - 150	06/16/26 16:10	06/17/26 22:14	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Client Sample ID: PZ-1

Lab Sample ID: 410-287134-5

Date Collected: 06/05/26 14:30

Matrix: Water

Date Received: 06/05/26 19:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/18/26 13:33	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/18/26 13:33	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/18/26 13:33	1
Styrene	ND		5.0	0.30	ug/L			06/18/26 13:33	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 13:33	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/18/26 13:33	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/18/26 13:33	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/18/26 13:33	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/18/26 13:33	1
Toluene	ND		1.0	0.30	ug/L			06/18/26 13:33	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/18/26 13:33	1
Cyclohexane	ND		5.0	1.0	ug/L			06/18/26 13:33	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 13:33	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/18/26 13:33	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/18/26 13:33	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/18/26 13:33	1
cis-1,2-Dichloroethene	34		1.0	0.30	ug/L			06/18/26 13:33	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/18/26 13:33	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/18/26 13:33	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/18/26 13:33	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/18/26 13:33	1
2-Hexanone	ND		10	0.85	ug/L			06/18/26 13:33	1
Acetone	2.4	J ^c cn	20	0.70	ug/L			06/18/26 13:33	1
Chloroform	ND		1.0	0.30	ug/L			06/18/26 13:33	1
Benzene	ND		1.0	0.30	ug/L			06/18/26 13:33	1
1,1,1-Trichloroethane	7.3		1.0	0.30	ug/L			06/18/26 13:33	1
Bromomethane	ND		1.0	0.30	ug/L			06/18/26 13:33	1
Chloromethane	ND		2.0	0.55	ug/L			06/18/26 13:33	1
Chloroethane	ND		1.0	0.30	ug/L			06/18/26 13:33	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/18/26 13:33	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/18/26 13:33	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/18/26 13:33	1
Bromoform	ND		4.0	1.0	ug/L			06/18/26 13:33	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/18/26 13:33	1
1,1-Dichloroethane	4.8		1.0	0.30	ug/L			06/18/26 13:33	1
1,1-Dichloroethene	5.1		1.0	0.30	ug/L			06/18/26 13:33	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/18/26 13:33	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/18/26 13:33	1
Freon 113	1.1	J	10	0.30	ug/L			06/18/26 13:33	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/18/26 13:33	1
2-Butanone	ND		10	1.0	ug/L			06/18/26 13:33	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/18/26 13:33	1
Trichloroethene	14		1.0	0.30	ug/L			06/18/26 13:33	1
Methyl acetate	ND		5.0	0.60	ug/L			06/18/26 13:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/18/26 13:33	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/18/26 13:33	1
1,2-Dibromo-3-Chloropropane	ND	^c cn	5.0	0.30	ug/L			06/18/26 13:33	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/18/26 13:33	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Client Sample ID: PZ-1

Lab Sample ID: 410-287134-5

Date Collected: 06/05/26 14:30

Matrix: Water

Date Received: 06/05/26 19:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		06/18/26 13:33	1
Dibromofluoromethane (Surr)	101		80 - 120		06/18/26 13:33	1
4-Bromofluorobenzene (Surr)	93		80 - 120		06/18/26 13:33	1
Toluene-d8 (Surr)	97		80 - 120		06/18/26 13:33	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	19	cn	5.1	1.4	ng/L		06/16/26 16:10	06/17/26 23:09	1
Perfluoropentanoic acid (PFPeA)	64	cn	2.5	0.76	ng/L		06/16/26 16:10	06/17/26 23:09	1
Perfluorohexanoic acid (PFHxA)	35	cn	2.5	0.63	ng/L		06/16/26 16:10	06/17/26 23:09	1
Perfluoroheptanoic acid (PFHpA)	26	cn	2.5	1.0	ng/L		06/16/26 16:10	06/17/26 23:09	1
Perfluorooctanoic acid (PFOA)	22	cn	2.5	1.1	ng/L		06/16/26 16:10	06/17/26 23:09	1
Perfluorononanoic acid (PFNA)	5.7	cn	2.5	0.63	ng/L		06/16/26 16:10	06/17/26 23:09	1
Perfluorodecanoic acid (PFDA)	ND	cn	2.5	0.63	ng/L		06/16/26 16:10	06/17/26 23:09	1
Perfluoroundecanoic acid (PFUnA)	ND	cn	2.5	0.63	ng/L		06/16/26 16:10	06/17/26 23:09	1
Perfluorododecanoic acid (PFDoA)	ND	cn	2.5	0.63	ng/L		06/16/26 16:10	06/17/26 23:09	1
Perfluorotridecanoic acid (PFTrDA)	ND	cn	2.5	0.63	ng/L		06/16/26 16:10	06/17/26 23:09	1
Perfluorotetradecanoic acid (PFTeDA)	ND	cn	2.5	0.63	ng/L		06/16/26 16:10	06/17/26 23:09	1
Perfluorobutanesulfonic acid (PFBS)	4.2	cn	2.5	0.63	ng/L		06/16/26 16:10	06/17/26 23:09	1
Perfluoropentanesulfonic acid (PFPeS)	ND	cn	2.5	0.63	ng/L		06/16/26 16:10	06/17/26 23:09	1
Perfluorohexanesulfonic acid (PFHxS)	2.8	cn	2.5	1.0	ng/L		06/16/26 16:10	06/17/26 23:09	1
Perfluoroheptanesulfonic acid (PFHpS)	ND	cn	2.5	0.63	ng/L		06/16/26 16:10	06/17/26 23:09	1
Perfluorooctanesulfonic acid (PFOS)	8.0	cn	2.5	1.6	ng/L		06/16/26 16:10	06/17/26 23:09	1
Perfluorononanesulfonic acid (PFNS)	ND	cn	2.5	0.63	ng/L		06/16/26 16:10	06/17/26 23:09	1
Perfluorodecanesulfonic acid (PFDS)	ND	cn	2.5	0.63	ng/L		06/16/26 16:10	06/17/26 23:09	1
Perfluorododecanesulfonic acid (PFDoS)	ND	cn	2.5	0.76	ng/L		06/16/26 16:10	06/17/26 23:09	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND	cn	5.1	1.3	ng/L		06/16/26 16:10	06/17/26 23:09	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND	cn	5.1	1.3	ng/L		06/16/26 16:10	06/17/26 23:09	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND	cn	5.1	1.3	ng/L		06/16/26 16:10	06/17/26 23:09	1
Perfluorooctanesulfonamide (PFOSA)	ND	cn	2.5	0.63	ng/L		06/16/26 16:10	06/17/26 23:09	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND	cn	2.5	0.63	ng/L		06/16/26 16:10	06/17/26 23:09	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND	cn	2.5	1.4	ng/L		06/16/26 16:10	06/17/26 23:09	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND	cn	2.5	0.63	ng/L		06/16/26 16:10	06/17/26 23:09	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND	cn	2.5	0.63	ng/L		06/16/26 16:10	06/17/26 23:09	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND	cn	13	5.1	ng/L		06/16/26 16:10	06/17/26 23:09	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND	cn	13	5.1	ng/L		06/16/26 16:10	06/17/26 23:09	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	cn	2.5	1.8	ng/L		06/16/26 16:10	06/17/26 23:09	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Client Sample ID: PZ-1

Lab Sample ID: 410-287134-5

Date Collected: 06/05/26 14:30

Matrix: Water

Date Received: 06/05/26 19:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	cn	2.5	0.63	ng/L		06/16/26 16:10	06/17/26 23:09	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	cn	2.5	0.63	ng/L		06/16/26 16:10	06/17/26 23:09	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	cn	2.5	0.63	ng/L		06/16/26 16:10	06/17/26 23:09	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	cn	2.5	0.63	ng/L		06/16/26 16:10	06/17/26 23:09	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND	cn	2.5	0.63	ng/L		06/16/26 16:10	06/17/26 23:09	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND	cn	2.5	0.63	ng/L		06/16/26 16:10	06/17/26 23:09	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND	cn	2.5	0.63	ng/L		06/16/26 16:10	06/17/26 23:09	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND	cn	5.1	1.3	ng/L		06/16/26 16:10	06/17/26 23:09	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND	cn	13	3.5	ng/L		06/16/26 16:10	06/17/26 23:09	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND	cn	13	3.2	ng/L		06/16/26 16:10	06/17/26 23:09	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	84.5	cn	5 - 130	06/16/26 16:10	06/17/26 23:09	1
13C5 PFPeA	86.0	cn	40 - 130	06/16/26 16:10	06/17/26 23:09	1
13C5 PFHxA	86.5	cn	40 - 130	06/16/26 16:10	06/17/26 23:09	1
13C4 PFHpA	83.1	cn	40 - 130	06/16/26 16:10	06/17/26 23:09	1
13C8 PFOA	81.6	cn	40 - 130	06/16/26 16:10	06/17/26 23:09	1
13C9 PFNA	77.1	cn	40 - 130	06/16/26 16:10	06/17/26 23:09	1
13C6 PFDA	65.2	cn	40 - 130	06/16/26 16:10	06/17/26 23:09	1
13C7 PFUnA	61.0	cn	30 - 130	06/16/26 16:10	06/17/26 23:09	1
13C2 PFTeDA	26.0	cn	10 - 130	06/16/26 16:10	06/17/26 23:09	1
13C3 PFBS	84.4	cn	40 - 135	06/16/26 16:10	06/17/26 23:09	1
13C3 PFHxS	79.0	cn	40 - 130	06/16/26 16:10	06/17/26 23:09	1
13C8 PFOS	69.1	cn	40 - 130	06/16/26 16:10	06/17/26 23:09	1
13C8 FOSA	63.8	cn	40 - 130	06/16/26 16:10	06/17/26 23:09	1
d3-NMeFOSAA	59.3	cn	40 - 170	06/16/26 16:10	06/17/26 23:09	1
d5-NEtFOSAA	59.3	cn	25 - 135	06/16/26 16:10	06/17/26 23:09	1
13C2 4:2 FTS	124	cn	40 - 200	06/16/26 16:10	06/17/26 23:09	1
13C2 6:2 FTS	157	cn	40 - 200	06/16/26 16:10	06/17/26 23:09	1
13C2 8:2 FTS	73.2	cn	40 - 300	06/16/26 16:10	06/17/26 23:09	1
13C3 HFPO-DA	84.9	cn	40 - 130	06/16/26 16:10	06/17/26 23:09	1
d7-N-MeFOSE-M	19.3	cn	10 - 130	06/16/26 16:10	06/17/26 23:09	1
d9-N-EtFOSE-M	13.0	cn	10 - 130	06/16/26 16:10	06/17/26 23:09	1
d5-NEtPFOSA	33.5	cn	10 - 130	06/16/26 16:10	06/17/26 23:09	1
d3-NMePFOSA	42.7	cn	10 - 130	06/16/26 16:10	06/17/26 23:09	1
13C2 PFDoA	46.6	cn	10 - 130	06/16/26 16:10	06/17/26 23:09	1
13C3-3:3 FTCA	107	cn	20 - 150	06/16/26 16:10	06/17/26 23:09	1
13C3-5:3 FTCA	90.0	cn	20 - 150	06/16/26 16:10	06/17/26 23:09	1
13C3-PFDoS	22.7	cn	20 - 150	06/16/26 16:10	06/17/26 23:09	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Client Sample ID: PZ-6

Lab Sample ID: 410-287134-6

Date Collected: 06/05/26 15:00

Matrix: Water

Date Received: 06/05/26 19:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/18/26 13:55	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/18/26 13:55	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/18/26 13:55	1
Styrene	ND		5.0	0.30	ug/L			06/18/26 13:55	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 13:55	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/18/26 13:55	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/18/26 13:55	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/18/26 13:55	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/18/26 13:55	1
Toluene	ND		1.0	0.30	ug/L			06/18/26 13:55	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/18/26 13:55	1
Cyclohexane	ND		5.0	1.0	ug/L			06/18/26 13:55	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 13:55	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/18/26 13:55	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/18/26 13:55	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/18/26 13:55	1
cis-1,2-Dichloroethene	24		1.0	0.30	ug/L			06/18/26 13:55	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/18/26 13:55	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/18/26 13:55	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/18/26 13:55	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/18/26 13:55	1
2-Hexanone	ND		10	0.85	ug/L			06/18/26 13:55	1
Acetone	4.1	J ^c cn	20	0.70	ug/L			06/18/26 13:55	1
Chloroform	0.60	J	1.0	0.30	ug/L			06/18/26 13:55	1
Benzene	ND		1.0	0.30	ug/L			06/18/26 13:55	1
1,1,1-Trichloroethane	15		1.0	0.30	ug/L			06/18/26 13:55	1
Bromomethane	ND		1.0	0.30	ug/L			06/18/26 13:55	1
Chloromethane	ND		2.0	0.55	ug/L			06/18/26 13:55	1
Chloroethane	ND		1.0	0.30	ug/L			06/18/26 13:55	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/18/26 13:55	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/18/26 13:55	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/18/26 13:55	1
Bromoform	ND		4.0	1.0	ug/L			06/18/26 13:55	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/18/26 13:55	1
1,1-Dichloroethane	8.7		1.0	0.30	ug/L			06/18/26 13:55	1
1,1-Dichloroethene	2.8		1.0	0.30	ug/L			06/18/26 13:55	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/18/26 13:55	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/18/26 13:55	1
Freon 113	0.89	J	10	0.30	ug/L			06/18/26 13:55	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/18/26 13:55	1
2-Butanone	ND		10	1.0	ug/L			06/18/26 13:55	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/18/26 13:55	1
Trichloroethene	22		1.0	0.30	ug/L			06/18/26 13:55	1
Methyl acetate	ND		5.0	0.60	ug/L			06/18/26 13:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/18/26 13:55	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/18/26 13:55	1
1,2-Dibromo-3-Chloropropane	ND	^c cn	5.0	0.30	ug/L			06/18/26 13:55	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/18/26 13:55	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Client Sample ID: PZ-6

Lab Sample ID: 410-287134-6

Date Collected: 06/05/26 15:00

Matrix: Water

Date Received: 06/05/26 19:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		06/18/26 13:55	1
Dibromofluoromethane (Surr)	101		80 - 120		06/18/26 13:55	1
4-Bromofluorobenzene (Surr)	95		80 - 120		06/18/26 13:55	1
Toluene-d8 (Surr)	98		80 - 120		06/18/26 13:55	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	47	cn	3.5	0.96	ng/L		06/16/26 16:10	06/17/26 23:22	1
Perfluoropentanoic acid (PFPeA)	150	cn	1.8	0.53	ng/L		06/16/26 16:10	06/17/26 23:22	1
Perfluorohexanoic acid (PFHxA)	130	cn	1.8	0.44	ng/L		06/16/26 16:10	06/17/26 23:22	1
Perfluoroheptanoic acid (PFHpA)	33	cn	1.8	0.70	ng/L		06/16/26 16:10	06/17/26 23:22	1
Perfluorooctanoic acid (PFOA)	17	cn	1.8	0.79	ng/L		06/16/26 16:10	06/17/26 23:22	1
Perfluorononanoic acid (PFNA)	4.8	cn	1.8	0.44	ng/L		06/16/26 16:10	06/17/26 23:22	1
Perfluorodecanoic acid (PFDA)	1.1	J cn	1.8	0.44	ng/L		06/16/26 16:10	06/17/26 23:22	1
Perfluoroundecanoic acid (PFUnA)	ND	cn	1.8	0.44	ng/L		06/16/26 16:10	06/17/26 23:22	1
Perfluorododecanoic acid (PFDoA)	ND	cn	1.8	0.44	ng/L		06/16/26 16:10	06/17/26 23:22	1
Perfluorotridecanoic acid (PFTrDA)	ND	cn	1.8	0.44	ng/L		06/16/26 16:10	06/17/26 23:22	1
Perfluorotetradecanoic acid (PFTeDA)	ND	cn	1.8	0.44	ng/L		06/16/26 16:10	06/17/26 23:22	1
Perfluorobutanesulfonic acid (PFBS)	3.1	cn	1.8	0.44	ng/L		06/16/26 16:10	06/17/26 23:22	1
Perfluoropentanesulfonic acid (PFPeS)	ND	cn	1.8	0.44	ng/L		06/16/26 16:10	06/17/26 23:22	1
Perfluorohexanesulfonic acid (PFHxS)	1.5	J cn	1.8	0.70	ng/L		06/16/26 16:10	06/17/26 23:22	1
Perfluoroheptanesulfonic acid (PFHpS)	ND	cn	1.8	0.44	ng/L		06/16/26 16:10	06/17/26 23:22	1
Perfluorooctanesulfonic acid (PFOS)	4.6	cn	1.8	1.1	ng/L		06/16/26 16:10	06/17/26 23:22	1
Perfluorononanesulfonic acid (PFNS)	ND	cn	1.8	0.44	ng/L		06/16/26 16:10	06/17/26 23:22	1
Perfluorodecanesulfonic acid (PFDS)	ND	cn	1.8	0.44	ng/L		06/16/26 16:10	06/17/26 23:22	1
Perfluorododecanesulfonic acid (PFDoS)	ND	cn	1.8	0.53	ng/L		06/16/26 16:10	06/17/26 23:22	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND	cn	3.5	0.88	ng/L		06/16/26 16:10	06/17/26 23:22	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND	cn	3.5	0.88	ng/L		06/16/26 16:10	06/17/26 23:22	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND	cn	3.5	0.88	ng/L		06/16/26 16:10	06/17/26 23:22	1
Perfluorooctanesulfonamide (PFOSA)	ND	cn	1.8	0.44	ng/L		06/16/26 16:10	06/17/26 23:22	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND	cn	1.8	0.44	ng/L		06/16/26 16:10	06/17/26 23:22	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND	cn	1.8	0.96	ng/L		06/16/26 16:10	06/17/26 23:22	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND	cn	1.8	0.44	ng/L		06/16/26 16:10	06/17/26 23:22	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND	cn	1.8	0.44	ng/L		06/16/26 16:10	06/17/26 23:22	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND	cn	8.8	3.5	ng/L		06/16/26 16:10	06/17/26 23:22	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND	cn	8.8	3.5	ng/L		06/16/26 16:10	06/17/26 23:22	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	cn	1.8	1.2	ng/L		06/16/26 16:10	06/17/26 23:22	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Client Sample ID: PZ-6

Lab Sample ID: 410-287134-6

Date Collected: 06/05/26 15:00

Matrix: Water

Date Received: 06/05/26 19:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	cn	1.8	0.44	ng/L		06/16/26 16:10	06/17/26 23:22	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	cn	1.8	0.44	ng/L		06/16/26 16:10	06/17/26 23:22	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	cn	1.8	0.44	ng/L		06/16/26 16:10	06/17/26 23:22	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	cn	1.8	0.44	ng/L		06/16/26 16:10	06/17/26 23:22	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND	cn	1.8	0.44	ng/L		06/16/26 16:10	06/17/26 23:22	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND	cn	1.8	0.44	ng/L		06/16/26 16:10	06/17/26 23:22	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND	cn	1.8	0.44	ng/L		06/16/26 16:10	06/17/26 23:22	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND	cn	3.5	0.88	ng/L		06/16/26 16:10	06/17/26 23:22	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND	cn	8.8	2.5	ng/L		06/16/26 16:10	06/17/26 23:22	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND	cn	8.8	2.2	ng/L		06/16/26 16:10	06/17/26 23:22	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	80.6	cn	5 - 130				06/16/26 16:10	06/17/26 23:22	1
13C5 PFPeA	76.7	cn	40 - 130				06/16/26 16:10	06/17/26 23:22	1
13C5 PFHxA	73.4	cn	40 - 130				06/16/26 16:10	06/17/26 23:22	1
13C4 PFHpA	68.6	cn	40 - 130				06/16/26 16:10	06/17/26 23:22	1
13C8 PFOA	72.3	cn	40 - 130				06/16/26 16:10	06/17/26 23:22	1
13C9 PFNA	68.3	cn	40 - 130				06/16/26 16:10	06/17/26 23:22	1
13C6 PFDA	62.9	cn	40 - 130				06/16/26 16:10	06/17/26 23:22	1
13C7 PFUnA	57.1	cn	30 - 130				06/16/26 16:10	06/17/26 23:22	1
13C2 PFTeDA	28.7	cn	10 - 130				06/16/26 16:10	06/17/26 23:22	1
13C3 PFBS	77.8	cn	40 - 135				06/16/26 16:10	06/17/26 23:22	1
13C3 PFHxS	72.5	cn	40 - 130				06/16/26 16:10	06/17/26 23:22	1
13C8 PFOS	64.4	cn	40 - 130				06/16/26 16:10	06/17/26 23:22	1
13C8 FOSA	59.8	cn	40 - 130				06/16/26 16:10	06/17/26 23:22	1
d3-NMeFOSAA	65.6	cn	40 - 170				06/16/26 16:10	06/17/26 23:22	1
d5-NEtFOSAA	63.8	cn	25 - 135				06/16/26 16:10	06/17/26 23:22	1
13C2 4:2 FTS	121	cn	40 - 200				06/16/26 16:10	06/17/26 23:22	1
13C2 6:2 FTS	139	cn	40 - 200				06/16/26 16:10	06/17/26 23:22	1
13C2 8:2 FTS	64.7	cn	40 - 300				06/16/26 16:10	06/17/26 23:22	1
13C3 HFPO-DA	73.1	cn	40 - 130				06/16/26 16:10	06/17/26 23:22	1
d7-N-MeFOSE-M	28.4	cn	10 - 130				06/16/26 16:10	06/17/26 23:22	1
d9-N-EtFOSE-M	25.7	cn	10 - 130				06/16/26 16:10	06/17/26 23:22	1
d5-NEtPFOSA	29.9	cn	10 - 130				06/16/26 16:10	06/17/26 23:22	1
d3-NMePFOSA	37.8	cn	10 - 130				06/16/26 16:10	06/17/26 23:22	1
13C2 PFDoA	45.0	cn	10 - 130				06/16/26 16:10	06/17/26 23:22	1
13C3-3:3 FTCA	82.1	cn	20 - 150				06/16/26 16:10	06/17/26 23:22	1
13C3-5:3 FTCA	71.1	cn	20 - 150				06/16/26 16:10	06/17/26 23:22	1
13C3-PFDoS	23.7	cn	20 - 150				06/16/26 16:10	06/17/26 23:22	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Client Sample ID: PZ-7

Lab Sample ID: 410-287134-7

Date Collected: 06/05/26 15:15

Matrix: Water

Date Received: 06/05/26 19:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/18/26 14:18	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/18/26 14:18	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/18/26 14:18	1
Styrene	ND		5.0	0.30	ug/L			06/18/26 14:18	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 14:18	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/18/26 14:18	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/18/26 14:18	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/18/26 14:18	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/18/26 14:18	1
Toluene	ND		1.0	0.30	ug/L			06/18/26 14:18	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/18/26 14:18	1
Cyclohexane	ND		5.0	1.0	ug/L			06/18/26 14:18	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 14:18	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/18/26 14:18	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/18/26 14:18	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/18/26 14:18	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/18/26 14:18	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/18/26 14:18	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/18/26 14:18	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/18/26 14:18	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/18/26 14:18	1
2-Hexanone	ND		10	0.85	ug/L			06/18/26 14:18	1
Acetone	4.8	J ^c cn	20	0.70	ug/L			06/18/26 14:18	1
Chloroform	ND		1.0	0.30	ug/L			06/18/26 14:18	1
Benzene	ND		1.0	0.30	ug/L			06/18/26 14:18	1
1,1,1-Trichloroethane	0.42	J	1.0	0.30	ug/L			06/18/26 14:18	1
Bromomethane	ND		1.0	0.30	ug/L			06/18/26 14:18	1
Chloromethane	ND		2.0	0.55	ug/L			06/18/26 14:18	1
Chloroethane	ND		1.0	0.30	ug/L			06/18/26 14:18	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/18/26 14:18	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/18/26 14:18	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/18/26 14:18	1
Bromoform	ND		4.0	1.0	ug/L			06/18/26 14:18	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/18/26 14:18	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/18/26 14:18	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/18/26 14:18	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/18/26 14:18	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/18/26 14:18	1
Freon 113	ND		10	0.30	ug/L			06/18/26 14:18	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/18/26 14:18	1
2-Butanone	ND		10	1.0	ug/L			06/18/26 14:18	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/18/26 14:18	1
Trichloroethene	0.40	J	1.0	0.30	ug/L			06/18/26 14:18	1
Methyl acetate	ND		5.0	0.60	ug/L			06/18/26 14:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/18/26 14:18	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/18/26 14:18	1
1,2-Dibromo-3-Chloropropane	ND	^c cn	5.0	0.30	ug/L			06/18/26 14:18	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/18/26 14:18	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Client Sample ID: PZ-7

Lab Sample ID: 410-287134-7

Date Collected: 06/05/26 15:15

Matrix: Water

Date Received: 06/05/26 19:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		06/18/26 14:18	1
Dibromofluoromethane (Surr)	99		80 - 120		06/18/26 14:18	1
4-Bromofluorobenzene (Surr)	93		80 - 120		06/18/26 14:18	1
Toluene-d8 (Surr)	98		80 - 120		06/18/26 14:18	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	14	cn	3.5	0.97	ng/L		06/16/26 16:10	06/17/26 23:36	1
Perfluoropentanoic acid (PFPeA)	45	cn	1.8	0.53	ng/L		06/16/26 16:10	06/17/26 23:36	1
Perfluorohexanoic acid (PFHxA)	23	cn	1.8	0.44	ng/L		06/16/26 16:10	06/17/26 23:36	1
Perfluoroheptanoic acid (PFHpA)	19	cn	1.8	0.71	ng/L		06/16/26 16:10	06/17/26 23:36	1
Perfluorooctanoic acid (PFOA)	18	cn	1.8	0.79	ng/L		06/16/26 16:10	06/17/26 23:36	1
Perfluorononanoic acid (PFNA)	4.4	cn	1.8	0.44	ng/L		06/16/26 16:10	06/17/26 23:36	1
Perfluorodecanoic acid (PFDA)	ND	cn	1.8	0.44	ng/L		06/16/26 16:10	06/17/26 23:36	1
Perfluoroundecanoic acid (PFUnA)	ND	cn	1.8	0.44	ng/L		06/16/26 16:10	06/17/26 23:36	1
Perfluorododecanoic acid (PFDoA)	ND	cn	1.8	0.44	ng/L		06/16/26 16:10	06/17/26 23:36	1
Perfluorotridecanoic acid (PFTrDA)	ND	cn	1.8	0.44	ng/L		06/16/26 16:10	06/17/26 23:36	1
Perfluorotetradecanoic acid (PFTeDA)	ND	cn	1.8	0.44	ng/L		06/16/26 16:10	06/17/26 23:36	1
Perfluorobutanesulfonic acid (PFBS)	3.3	cn	1.8	0.44	ng/L		06/16/26 16:10	06/17/26 23:36	1
Perfluoropentanesulfonic acid (PFPeS)	ND	cn	1.8	0.44	ng/L		06/16/26 16:10	06/17/26 23:36	1
Perfluorohexanesulfonic acid (PFHxS)	2.2	cn	1.8	0.71	ng/L		06/16/26 16:10	06/17/26 23:36	1
Perfluoroheptanesulfonic acid (PFHpS)	ND	cn	1.8	0.44	ng/L		06/16/26 16:10	06/17/26 23:36	1
Perfluorooctanesulfonic acid (PFOS)	6.0	cn	1.8	1.1	ng/L		06/16/26 16:10	06/17/26 23:36	1
Perfluorononanesulfonic acid (PFNS)	ND	cn	1.8	0.44	ng/L		06/16/26 16:10	06/17/26 23:36	1
Perfluorodecanesulfonic acid (PFDS)	ND	cn	1.8	0.44	ng/L		06/16/26 16:10	06/17/26 23:36	1
Perfluorododecanesulfonic acid (PFDoS)	ND	cn	1.8	0.53	ng/L		06/16/26 16:10	06/17/26 23:36	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND	cn	3.5	0.88	ng/L		06/16/26 16:10	06/17/26 23:36	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND	cn	3.5	0.88	ng/L		06/16/26 16:10	06/17/26 23:36	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND	cn	3.5	0.88	ng/L		06/16/26 16:10	06/17/26 23:36	1
Perfluorooctanesulfonamide (PFOSA)	ND	cn	1.8	0.44	ng/L		06/16/26 16:10	06/17/26 23:36	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND	cn	1.8	0.44	ng/L		06/16/26 16:10	06/17/26 23:36	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND	cn	1.8	0.97	ng/L		06/16/26 16:10	06/17/26 23:36	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND	cn	1.8	0.44	ng/L		06/16/26 16:10	06/17/26 23:36	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND	cn	1.8	0.44	ng/L		06/16/26 16:10	06/17/26 23:36	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND	cn	8.8	3.5	ng/L		06/16/26 16:10	06/17/26 23:36	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND	cn	8.8	3.5	ng/L		06/16/26 16:10	06/17/26 23:36	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	cn	1.8	1.2	ng/L		06/16/26 16:10	06/17/26 23:36	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Client Sample ID: PZ-7

Lab Sample ID: 410-287134-7

Date Collected: 06/05/26 15:15

Matrix: Water

Date Received: 06/05/26 19:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	cn	1.8	0.44	ng/L		06/16/26 16:10	06/17/26 23:36	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	cn	1.8	0.44	ng/L		06/16/26 16:10	06/17/26 23:36	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	cn	1.8	0.44	ng/L		06/16/26 16:10	06/17/26 23:36	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	cn	1.8	0.44	ng/L		06/16/26 16:10	06/17/26 23:36	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND	cn	1.8	0.44	ng/L		06/16/26 16:10	06/17/26 23:36	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND	cn	1.8	0.44	ng/L		06/16/26 16:10	06/17/26 23:36	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND	cn	1.8	0.44	ng/L		06/16/26 16:10	06/17/26 23:36	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND	cn	3.5	0.88	ng/L		06/16/26 16:10	06/17/26 23:36	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND	cn	8.8	2.5	ng/L		06/16/26 16:10	06/17/26 23:36	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND	cn	8.8	2.2	ng/L		06/16/26 16:10	06/17/26 23:36	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	90.1	cn	5 - 130	06/16/26 16:10	06/17/26 23:36	1
13C5 PFPeA	89.0	cn	40 - 130	06/16/26 16:10	06/17/26 23:36	1
13C5 PFHxA	90.9	cn	40 - 130	06/16/26 16:10	06/17/26 23:36	1
13C4 PFHpA	81.4	cn	40 - 130	06/16/26 16:10	06/17/26 23:36	1
13C8 PFOA	75.5	cn	40 - 130	06/16/26 16:10	06/17/26 23:36	1
13C9 PFNA	83.6	cn	40 - 130	06/16/26 16:10	06/17/26 23:36	1
13C6 PFDA	77.6	cn	40 - 130	06/16/26 16:10	06/17/26 23:36	1
13C7 PFUnA	73.5	cn	30 - 130	06/16/26 16:10	06/17/26 23:36	1
13C2 PFTeDA	30.6	cn	10 - 130	06/16/26 16:10	06/17/26 23:36	1
13C3 PFBS	85.2	cn	40 - 135	06/16/26 16:10	06/17/26 23:36	1
13C3 PFHxS	82.3	cn	40 - 130	06/16/26 16:10	06/17/26 23:36	1
13C8 PFOS	73.0	cn	40 - 130	06/16/26 16:10	06/17/26 23:36	1
13C8 FOSA	67.0	cn	40 - 130	06/16/26 16:10	06/17/26 23:36	1
d3-NMeFOSAA	79.2	cn	40 - 170	06/16/26 16:10	06/17/26 23:36	1
d5-NEtFOSAA	70.3	cn	25 - 135	06/16/26 16:10	06/17/26 23:36	1
13C2 4:2 FTS	109	cn	40 - 200	06/16/26 16:10	06/17/26 23:36	1
13C2 6:2 FTS	176	cn	40 - 200	06/16/26 16:10	06/17/26 23:36	1
13C2 8:2 FTS	82.8	cn	40 - 300	06/16/26 16:10	06/17/26 23:36	1
13C3 HFPO-DA	86.6	cn	40 - 130	06/16/26 16:10	06/17/26 23:36	1
d7-N-MeFOSE-M	36.3	cn	10 - 130	06/16/26 16:10	06/17/26 23:36	1
d9-N-EtFOSE-M	31.0	cn	10 - 130	06/16/26 16:10	06/17/26 23:36	1
d5-NEtPFOSA	31.3	cn	10 - 130	06/16/26 16:10	06/17/26 23:36	1
d3-NMePFOSA	39.5	cn	10 - 130	06/16/26 16:10	06/17/26 23:36	1
13C2 PFDoA	62.3	cn	10 - 130	06/16/26 16:10	06/17/26 23:36	1
13C3-3:3 FTCA	88.1	cn	20 - 150	06/16/26 16:10	06/17/26 23:36	1
13C3-5:3 FTCA	88.8	cn	20 - 150	06/16/26 16:10	06/17/26 23:36	1
13C3-PFDoS	24.7	cn	20 - 150	06/16/26 16:10	06/17/26 23:36	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Client Sample ID: PZ-9

Lab Sample ID: 410-287134-8

Date Collected: 06/05/26 16:20

Matrix: Water

Date Received: 06/05/26 19:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/18/26 14:41	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/18/26 14:41	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/18/26 14:41	1
Styrene	ND		5.0	0.30	ug/L			06/18/26 14:41	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 14:41	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/18/26 14:41	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/18/26 14:41	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/18/26 14:41	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/18/26 14:41	1
Toluene	ND		1.0	0.30	ug/L			06/18/26 14:41	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/18/26 14:41	1
Cyclohexane	ND		5.0	1.0	ug/L			06/18/26 14:41	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 14:41	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/18/26 14:41	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/18/26 14:41	1
Tetrachloroethene	0.99	J	1.0	0.30	ug/L			06/18/26 14:41	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/18/26 14:41	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/18/26 14:41	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/18/26 14:41	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/18/26 14:41	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/18/26 14:41	1
2-Hexanone	ND		10	0.85	ug/L			06/18/26 14:41	1
Acetone	ND	^c cn	20	0.70	ug/L			06/18/26 14:41	1
Chloroform	0.48	J	1.0	0.30	ug/L			06/18/26 14:41	1
Benzene	ND		1.0	0.30	ug/L			06/18/26 14:41	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/18/26 14:41	1
Bromomethane	ND		1.0	0.30	ug/L			06/18/26 14:41	1
Chloromethane	ND		2.0	0.55	ug/L			06/18/26 14:41	1
Chloroethane	ND		1.0	0.30	ug/L			06/18/26 14:41	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/18/26 14:41	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/18/26 14:41	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/18/26 14:41	1
Bromoform	ND		4.0	1.0	ug/L			06/18/26 14:41	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/18/26 14:41	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/18/26 14:41	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/18/26 14:41	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/18/26 14:41	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/18/26 14:41	1
Freon 113	ND		10	0.30	ug/L			06/18/26 14:41	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/18/26 14:41	1
2-Butanone	ND		10	1.0	ug/L			06/18/26 14:41	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/18/26 14:41	1
Trichloroethene	ND		1.0	0.30	ug/L			06/18/26 14:41	1
Methyl acetate	ND		5.0	0.60	ug/L			06/18/26 14:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/18/26 14:41	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/18/26 14:41	1
1,2-Dibromo-3-Chloropropane	ND	^c cn	5.0	0.30	ug/L			06/18/26 14:41	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/18/26 14:41	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Client Sample ID: PZ-9

Lab Sample ID: 410-287134-8

Date Collected: 06/05/26 16:20

Matrix: Water

Date Received: 06/05/26 19:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		06/18/26 14:41	1
Dibromofluoromethane (Surr)	101		80 - 120		06/18/26 14:41	1
4-Bromofluorobenzene (Surr)	92		80 - 120		06/18/26 14:41	1
Toluene-d8 (Surr)	97		80 - 120		06/18/26 14:41	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	6.8	cn	3.1	0.85	ng/L		06/16/26 16:10	06/17/26 23:49	1
Perfluoropentanoic acid (PFPeA)	12	cn	1.6	0.47	ng/L		06/16/26 16:10	06/17/26 23:49	1
Perfluorohexanoic acid (PFHxA)	7.6	cn	1.6	0.39	ng/L		06/16/26 16:10	06/17/26 23:49	1
Perfluoroheptanoic acid (PFHpA)	6.0	cn	1.6	0.62	ng/L		06/16/26 16:10	06/17/26 23:49	1
Perfluorooctanoic acid (PFOA)	8.9	cn	1.6	0.70	ng/L		06/16/26 16:10	06/17/26 23:49	1
Perfluorononanoic acid (PFNA)	2.0	cn	1.6	0.39	ng/L		06/16/26 16:10	06/17/26 23:49	1
Perfluorodecanoic acid (PFDA)	ND	cn	1.6	0.39	ng/L		06/16/26 16:10	06/17/26 23:49	1
Perfluoroundecanoic acid (PFUnA)	ND	cn	1.6	0.39	ng/L		06/16/26 16:10	06/17/26 23:49	1
Perfluorododecanoic acid (PFDoA)	ND	cn	1.6	0.39	ng/L		06/16/26 16:10	06/17/26 23:49	1
Perfluorotridecanoic acid (PFTrDA)	ND	cn	1.6	0.39	ng/L		06/16/26 16:10	06/17/26 23:49	1
Perfluorotetradecanoic acid (PFTeDA)	ND	cn	1.6	0.39	ng/L		06/16/26 16:10	06/17/26 23:49	1
Perfluorobutanesulfonic acid (PFBS)	3.5	cn	1.6	0.39	ng/L		06/16/26 16:10	06/17/26 23:49	1
Perfluoropentanesulfonic acid (PFPeS)	ND	cn	1.6	0.39	ng/L		06/16/26 16:10	06/17/26 23:49	1
Perfluorohexanesulfonic acid (PFHxS)	3.5	cn	1.6	0.62	ng/L		06/16/26 16:10	06/17/26 23:49	1
Perfluoroheptanesulfonic acid (PFHpS)	ND	cn	1.6	0.39	ng/L		06/16/26 16:10	06/17/26 23:49	1
Perfluorooctanesulfonic acid (PFOS)	11	cn	1.6	1.0	ng/L		06/16/26 16:10	06/17/26 23:49	1
Perfluorononanesulfonic acid (PFNS)	ND	cn	1.6	0.39	ng/L		06/16/26 16:10	06/17/26 23:49	1
Perfluorodecanesulfonic acid (PFDS)	ND	cn	1.6	0.39	ng/L		06/16/26 16:10	06/17/26 23:49	1
Perfluorododecanesulfonic acid (PFDoS)	ND	cn	1.6	0.47	ng/L		06/16/26 16:10	06/17/26 23:49	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND	cn	3.1	0.78	ng/L		06/16/26 16:10	06/17/26 23:49	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND	cn	3.1	0.78	ng/L		06/16/26 16:10	06/17/26 23:49	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND	cn	3.1	0.78	ng/L		06/16/26 16:10	06/17/26 23:49	1
Perfluorooctanesulfonamide (PFOSA)	ND	cn	1.6	0.39	ng/L		06/16/26 16:10	06/17/26 23:49	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND	cn	1.6	0.39	ng/L		06/16/26 16:10	06/17/26 23:49	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND	cn	1.6	0.85	ng/L		06/16/26 16:10	06/17/26 23:49	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND	cn	1.6	0.39	ng/L		06/16/26 16:10	06/17/26 23:49	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND	cn	1.6	0.39	ng/L		06/16/26 16:10	06/17/26 23:49	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND	cn	7.8	3.1	ng/L		06/16/26 16:10	06/17/26 23:49	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND	cn	7.8	3.1	ng/L		06/16/26 16:10	06/17/26 23:49	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	cn	1.6	1.1	ng/L		06/16/26 16:10	06/17/26 23:49	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Client Sample ID: PZ-9

Lab Sample ID: 410-287134-8

Date Collected: 06/05/26 16:20

Matrix: Water

Date Received: 06/05/26 19:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	cn	1.6	0.39	ng/L		06/16/26 16:10	06/17/26 23:49	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	cn	1.6	0.39	ng/L		06/16/26 16:10	06/17/26 23:49	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	cn	1.6	0.39	ng/L		06/16/26 16:10	06/17/26 23:49	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	cn	1.6	0.39	ng/L		06/16/26 16:10	06/17/26 23:49	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND	cn	1.6	0.39	ng/L		06/16/26 16:10	06/17/26 23:49	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND	cn	1.6	0.39	ng/L		06/16/26 16:10	06/17/26 23:49	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND	cn	1.6	0.39	ng/L		06/16/26 16:10	06/17/26 23:49	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND	cn	3.1	0.78	ng/L		06/16/26 16:10	06/17/26 23:49	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.1	J cn	7.8	2.2	ng/L		06/16/26 16:10	06/17/26 23:49	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND	cn	7.8	1.9	ng/L		06/16/26 16:10	06/17/26 23:49	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	74.4	cn	5 - 130				06/16/26 16:10	06/17/26 23:49	1
13C5 PFPeA	69.3	cn	40 - 130				06/16/26 16:10	06/17/26 23:49	1
13C5 PFHxA	69.9	cn	40 - 130				06/16/26 16:10	06/17/26 23:49	1
13C4 PFHpA	62.2	cn	40 - 130				06/16/26 16:10	06/17/26 23:49	1
13C8 PFOA	52.5	cn	40 - 130				06/16/26 16:10	06/17/26 23:49	1
13C9 PFNA	61.8	cn	40 - 130				06/16/26 16:10	06/17/26 23:49	1
13C6 PFDA	58.1	cn	40 - 130				06/16/26 16:10	06/17/26 23:49	1
13C7 PFUnA	55.4	cn	30 - 130				06/16/26 16:10	06/17/26 23:49	1
13C2 PFTeDA	22.1	cn	10 - 130				06/16/26 16:10	06/17/26 23:49	1
13C3 PFBS	67.2	cn	40 - 135				06/16/26 16:10	06/17/26 23:49	1
13C3 PFHxS	62.3	cn	40 - 130				06/16/26 16:10	06/17/26 23:49	1
13C8 PFOS	60.0	cn	40 - 130				06/16/26 16:10	06/17/26 23:49	1
13C8 FOSA	61.5	cn	40 - 130				06/16/26 16:10	06/17/26 23:49	1
d3-NMeFOSAA	57.0	cn	40 - 170				06/16/26 16:10	06/17/26 23:49	1
d5-NEtFOSAA	57.3	cn	25 - 135				06/16/26 16:10	06/17/26 23:49	1
13C2 4:2 FTS	83.3	cn	40 - 200				06/16/26 16:10	06/17/26 23:49	1
13C2 6:2 FTS	111	cn	40 - 200				06/16/26 16:10	06/17/26 23:49	1
13C2 8:2 FTS	59.2	cn	40 - 300				06/16/26 16:10	06/17/26 23:49	1
13C3 HFPO-DA	66.7	cn	40 - 130				06/16/26 16:10	06/17/26 23:49	1
d7-N-MeFOSE-M	35.2	cn	10 - 130				06/16/26 16:10	06/17/26 23:49	1
d9-N-EtFOSE-M	29.3	cn	10 - 130				06/16/26 16:10	06/17/26 23:49	1
d5-NEtPFOSA	26.3	cn	10 - 130				06/16/26 16:10	06/17/26 23:49	1
d3-NMePFOSA	34.7	cn	10 - 130				06/16/26 16:10	06/17/26 23:49	1
13C2 PFDoA	42.4	cn	10 - 130				06/16/26 16:10	06/17/26 23:49	1
13C3-3:3 FTCA	73.7	cn	20 - 150				06/16/26 16:10	06/17/26 23:49	1
13C3-5:3 FTCA	67.0	cn	20 - 150				06/16/26 16:10	06/17/26 23:49	1
13C3-PFDoS	20.3	cn	20 - 150				06/16/26 16:10	06/17/26 23:49	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Client Sample ID: Duplicate 6

Lab Sample ID: 410-287134-9

Date Collected: 06/05/26 10:55

Matrix: Water

Date Received: 06/05/26 19:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/18/26 15:03	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/18/26 15:03	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/18/26 15:03	1
Styrene	ND		5.0	0.30	ug/L			06/18/26 15:03	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 15:03	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/18/26 15:03	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/18/26 15:03	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/18/26 15:03	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/18/26 15:03	1
Toluene	2.5		1.0	0.30	ug/L			06/18/26 15:03	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/18/26 15:03	1
Cyclohexane	ND		5.0	1.0	ug/L			06/18/26 15:03	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 15:03	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/18/26 15:03	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/18/26 15:03	1
Tetrachloroethene	210		1.0	0.30	ug/L			06/18/26 15:03	1
cis-1,2-Dichloroethene	33		1.0	0.30	ug/L			06/18/26 15:03	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/18/26 15:03	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/18/26 15:03	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/18/26 15:03	1
Carbon tetrachloride	1.3		1.0	0.30	ug/L			06/18/26 15:03	1
2-Hexanone	ND		10	0.85	ug/L			06/18/26 15:03	1
Acetone	20	^c cn	20	0.70	ug/L			06/18/26 15:03	1
Chloroform	0.83	J	1.0	0.30	ug/L			06/18/26 15:03	1
Benzene	0.44	J	1.0	0.30	ug/L			06/18/26 15:03	1
1,1,1-Trichloroethane	54		1.0	0.30	ug/L			06/18/26 15:03	1
Bromomethane	ND		1.0	0.30	ug/L			06/18/26 15:03	1
Chloromethane	ND		2.0	0.55	ug/L			06/18/26 15:03	1
Chloroethane	ND		1.0	0.30	ug/L			06/18/26 15:03	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/18/26 15:03	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/18/26 15:03	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/18/26 15:03	1
Bromoform	ND		4.0	1.0	ug/L			06/18/26 15:03	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/18/26 15:03	1
1,1-Dichloroethane	1.6		1.0	0.30	ug/L			06/18/26 15:03	1
1,1-Dichloroethene	3.1		1.0	0.30	ug/L			06/18/26 15:03	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/18/26 15:03	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/18/26 15:03	1
Freon 113	0.72	J	10	0.30	ug/L			06/18/26 15:03	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/18/26 15:03	1
2-Butanone	ND		10	1.0	ug/L			06/18/26 15:03	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/18/26 15:03	1
Methyl acetate	ND		5.0	0.60	ug/L			06/18/26 15:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/18/26 15:03	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/18/26 15:03	1
1,2-Dibromo-3-Chloropropane	ND	^c cn	5.0	0.30	ug/L			06/18/26 15:03	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/18/26 15:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		80 - 120		06/18/26 15:03	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Client Sample ID: Duplicate 6

Lab Sample ID: 410-287134-9

Date Collected: 06/05/26 10:55

Matrix: Water

Date Received: 06/05/26 19:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	97		80 - 120		06/18/26 15:03	1
4-Bromofluorobenzene (Surr)	87		80 - 120		06/18/26 15:03	1
Toluene-d8 (Surr)	99		80 - 120		06/18/26 15:03	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	28000	cn	100	30	ug/L			06/19/26 11:29	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105	cn	80 - 120		06/19/26 11:29	100
Dibromofluoromethane (Surr)	113	cn	80 - 120		06/19/26 11:29	100
4-Bromofluorobenzene (Surr)	93	cn	80 - 120		06/19/26 11:29	100
Toluene-d8 (Surr)	89	cn	80 - 120		06/19/26 11:29	100

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.090		0.010	0.0050	mg/L			06/10/26 13:08	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	4.4		2.0	1.0	mg/L			06/18/26 18:34	10

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	49		3.4	0.93	ng/L		06/16/26 16:10	06/18/26 00:03	1
Perfluoropentanoic acid (PFPeA)	190		1.7	0.51	ng/L		06/16/26 16:10	06/18/26 00:03	1
Perfluorohexanoic acid (PFHxA)	110		1.7	0.42	ng/L		06/16/26 16:10	06/18/26 00:03	1
Perfluoroheptanoic acid (PFHpA)	81		1.7	0.68	ng/L		06/16/26 16:10	06/18/26 00:03	1
Perfluorooctanoic acid (PFOA)	83		1.7	0.76	ng/L		06/16/26 16:10	06/18/26 00:03	1
Perfluorononanoic acid (PFNA)	17		1.7	0.42	ng/L		06/16/26 16:10	06/18/26 00:03	1
Perfluorodecanoic acid (PFDA)	ND		1.7	0.42	ng/L		06/16/26 16:10	06/18/26 00:03	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.42	ng/L		06/16/26 16:10	06/18/26 00:03	1
Perfluorododecanoic acid (PFDoA)	ND		1.7	0.42	ng/L		06/16/26 16:10	06/18/26 00:03	1
Perfluorotridecanoic acid (PFTTrDA)	ND		1.7	0.42	ng/L		06/16/26 16:10	06/18/26 00:03	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.7	0.42	ng/L		06/16/26 16:10	06/18/26 00:03	1
Perfluorobutanesulfonic acid (PFBS)	1.0	J	1.7	0.42	ng/L		06/16/26 16:10	06/18/26 00:03	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.7	0.42	ng/L		06/16/26 16:10	06/18/26 00:03	1
Perfluorohexanesulfonic acid (PFHxS)	0.91	J	1.7	0.68	ng/L		06/16/26 16:10	06/18/26 00:03	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.7	0.42	ng/L		06/16/26 16:10	06/18/26 00:03	1
Perfluorooctanesulfonic acid (PFOS)	7.5		1.7	1.1	ng/L		06/16/26 16:10	06/18/26 00:03	1
Perfluorononanesulfonic acid (PFNS)	ND		1.7	0.42	ng/L		06/16/26 16:10	06/18/26 00:03	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.42	ng/L		06/16/26 16:10	06/18/26 00:03	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.7	0.51	ng/L		06/16/26 16:10	06/18/26 00:03	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	1.4	J	3.4	0.85	ng/L		06/16/26 16:10	06/18/26 00:03	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Client Sample ID: Duplicate 6

Lab Sample ID: 410-287134-9

Date Collected: 06/05/26 10:55

Matrix: Water

Date Received: 06/05/26 19:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	310		3.4	0.85	ng/L		06/16/26 16:10	06/18/26 00:03	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	18		3.4	0.85	ng/L		06/16/26 16:10	06/18/26 00:03	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.7	0.42	ng/L		06/16/26 16:10	06/18/26 00:03	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.7	0.42	ng/L		06/16/26 16:10	06/18/26 00:03	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.7	0.93	ng/L		06/16/26 16:10	06/18/26 00:03	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.7	0.42	ng/L		06/16/26 16:10	06/18/26 00:03	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.7	0.42	ng/L		06/16/26 16:10	06/18/26 00:03	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.5	3.4	ng/L		06/16/26 16:10	06/18/26 00:03	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.5	3.4	ng/L		06/16/26 16:10	06/18/26 00:03	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.7	1.2	ng/L		06/16/26 16:10	06/18/26 00:03	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.7	0.42	ng/L		06/16/26 16:10	06/18/26 00:03	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.7	0.42	ng/L		06/16/26 16:10	06/18/26 00:03	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.7	0.42	ng/L		06/16/26 16:10	06/18/26 00:03	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.7	0.42	ng/L		06/16/26 16:10	06/18/26 00:03	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.7	0.42	ng/L		06/16/26 16:10	06/18/26 00:03	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.7	0.42	ng/L		06/16/26 16:10	06/18/26 00:03	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.7	0.42	ng/L		06/16/26 16:10	06/18/26 00:03	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	1.9 J		3.4	0.85	ng/L		06/16/26 16:10	06/18/26 00:03	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	6.2 J		8.5	2.4	ng/L		06/16/26 16:10	06/18/26 00:03	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.5	2.1	ng/L		06/16/26 16:10	06/18/26 00:03	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	82.3		5 - 130	06/16/26 16:10	06/18/26 00:03	1
13C5 PFPeA	81.6		40 - 130	06/16/26 16:10	06/18/26 00:03	1
13C5 PFHxA	80.2		40 - 130	06/16/26 16:10	06/18/26 00:03	1
13C4 PFHpA	80.0		40 - 130	06/16/26 16:10	06/18/26 00:03	1
13C8 PFOA	77.4		40 - 130	06/16/26 16:10	06/18/26 00:03	1
13C9 PFNA	86.4		40 - 130	06/16/26 16:10	06/18/26 00:03	1
13C6 PFDA	91.7		40 - 130	06/16/26 16:10	06/18/26 00:03	1
13C7 PFUnA	90.4		30 - 130	06/16/26 16:10	06/18/26 00:03	1
13C2 PFTeDA	86.8		10 - 130	06/16/26 16:10	06/18/26 00:03	1
13C3 PFBS	84.7		40 - 135	06/16/26 16:10	06/18/26 00:03	1
13C3 PFHxS	82.3		40 - 130	06/16/26 16:10	06/18/26 00:03	1
13C8 PFOS	86.5		40 - 130	06/16/26 16:10	06/18/26 00:03	1
13C8 FOSA	80.0		40 - 130	06/16/26 16:10	06/18/26 00:03	1
d3-NMeFOSAA	91.4		40 - 170	06/16/26 16:10	06/18/26 00:03	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Client Sample ID: Duplicate 6

Lab Sample ID: 410-287134-9

Date Collected: 06/05/26 10:55

Matrix: Water

Date Received: 06/05/26 19:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	93.4		25 - 135	06/16/26 16:10	06/18/26 00:03	1
13C2 4:2 FTS	200		40 - 200	06/16/26 16:10	06/18/26 00:03	1
13C2 6:2 FTS	118		40 - 200	06/16/26 16:10	06/18/26 00:03	1
13C2 8:2 FTS	101		40 - 300	06/16/26 16:10	06/18/26 00:03	1
13C3 HFPO-DA	82.1		40 - 130	06/16/26 16:10	06/18/26 00:03	1
d7-N-MeFOSE-M	63.3		10 - 130	06/16/26 16:10	06/18/26 00:03	1
d9-N-EtFOSE-M	69.9		10 - 130	06/16/26 16:10	06/18/26 00:03	1
d5-NEtPFOSA	66.3		10 - 130	06/16/26 16:10	06/18/26 00:03	1
d3-NMePFOSA	71.7		10 - 130	06/16/26 16:10	06/18/26 00:03	1
13C2 PFDoA	86.5		10 - 130	06/16/26 16:10	06/18/26 00:03	1
13C3-3:3 FTCA	94.3		20 - 150	06/16/26 16:10	06/18/26 00:03	1
13C3-5:3 FTCA	92.0		20 - 150	06/16/26 16:10	06/18/26 00:03	1
13C3-PFDoS	67.3		20 - 150	06/16/26 16:10	06/18/26 00:03	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.093	cn	0.0021	0.00057	mg/L		06/16/26 01:45	06/16/26 11:44	1
Manganese	0.0020	J cn	0.0021	0.0013	mg/L		06/16/26 01:45	06/16/26 11:44	1
Nickel	0.00072	J cn	0.0010	0.00041	mg/L		06/16/26 01:45	06/16/26 11:44	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Client Sample ID: Field Blank 6

Lab Sample ID: 410-287134-10

Date Collected: 06/05/26 16:45

Matrix: Water

Date Received: 06/05/26 19:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/18/26 10:10	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/18/26 10:10	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/18/26 10:10	1
Styrene	ND		5.0	0.30	ug/L			06/18/26 10:10	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 10:10	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/18/26 10:10	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/18/26 10:10	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/18/26 10:10	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/18/26 10:10	1
Toluene	ND		1.0	0.30	ug/L			06/18/26 10:10	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/18/26 10:10	1
Cyclohexane	ND		5.0	1.0	ug/L			06/18/26 10:10	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 10:10	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/18/26 10:10	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/18/26 10:10	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/18/26 10:10	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/18/26 10:10	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/18/26 10:10	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/18/26 10:10	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/18/26 10:10	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/18/26 10:10	1
2-Hexanone	ND		10	0.85	ug/L			06/18/26 10:10	1
Acetone	6.2	J ^c cn	20	0.70	ug/L			06/18/26 10:10	1
Chloroform	1.3		1.0	0.30	ug/L			06/18/26 10:10	1
Benzene	ND		1.0	0.30	ug/L			06/18/26 10:10	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/18/26 10:10	1
Bromomethane	ND		1.0	0.30	ug/L			06/18/26 10:10	1
Chloromethane	ND		2.0	0.55	ug/L			06/18/26 10:10	1
Chloroethane	ND		1.0	0.30	ug/L			06/18/26 10:10	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/18/26 10:10	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/18/26 10:10	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/18/26 10:10	1
Bromoform	ND		4.0	1.0	ug/L			06/18/26 10:10	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/18/26 10:10	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/18/26 10:10	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/18/26 10:10	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/18/26 10:10	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/18/26 10:10	1
Freon 113	ND		10	0.30	ug/L			06/18/26 10:10	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/18/26 10:10	1
2-Butanone	ND		10	1.0	ug/L			06/18/26 10:10	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/18/26 10:10	1
Trichloroethene	ND		1.0	0.30	ug/L			06/18/26 10:10	1
Methyl acetate	ND		5.0	0.60	ug/L			06/18/26 10:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/18/26 10:10	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/18/26 10:10	1
1,2-Dibromo-3-Chloropropane	ND	^c cn	5.0	0.30	ug/L			06/18/26 10:10	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/18/26 10:10	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Client Sample ID: Field Blank 6

Lab Sample ID: 410-287134-10

Date Collected: 06/05/26 16:45

Matrix: Water

Date Received: 06/05/26 19:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		06/18/26 10:10	1
Dibromofluoromethane (Surr)	100		80 - 120		06/18/26 10:10	1
4-Bromofluorobenzene (Surr)	94		80 - 120		06/18/26 10:10	1
Toluene-d8 (Surr)	99		80 - 120		06/18/26 10:10	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND	^+ cn	0.010	0.0050	mg/L			06/08/26 13:32	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20	0.10	mg/L			06/18/26 19:14	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		3.2	0.89	ng/L		06/16/26 16:10	06/18/26 00:16	1
Perfluoropentanoic acid (PFPeA)	ND		1.6	0.48	ng/L		06/16/26 16:10	06/18/26 00:16	1
Perfluorohexanoic acid (PFHxA)	ND		1.6	0.40	ng/L		06/16/26 16:10	06/18/26 00:16	1
Perfluoroheptanoic acid (PFHpA)	ND		1.6	0.65	ng/L		06/16/26 16:10	06/18/26 00:16	1
Perfluorooctanoic acid (PFOA)	ND		1.6	0.73	ng/L		06/16/26 16:10	06/18/26 00:16	1
Perfluorononanoic acid (PFNA)	ND		1.6	0.40	ng/L		06/16/26 16:10	06/18/26 00:16	1
Perfluorodecanoic acid (PFDA)	ND		1.6	0.40	ng/L		06/16/26 16:10	06/18/26 00:16	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.40	ng/L		06/16/26 16:10	06/18/26 00:16	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.40	ng/L		06/16/26 16:10	06/18/26 00:16	1
Perfluorotridecanoic acid (PFTriDA)	ND		1.6	0.40	ng/L		06/16/26 16:10	06/18/26 00:16	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.6	0.40	ng/L		06/16/26 16:10	06/18/26 00:16	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.6	0.40	ng/L		06/16/26 16:10	06/18/26 00:16	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.6	0.40	ng/L		06/16/26 16:10	06/18/26 00:16	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.6	0.65	ng/L		06/16/26 16:10	06/18/26 00:16	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.6	0.40	ng/L		06/16/26 16:10	06/18/26 00:16	1
Perfluorooctanesulfonic acid (PFOS)	9.4		1.6	1.0	ng/L		06/16/26 16:10	06/18/26 00:16	1
Perfluorononanesulfonic acid (PFNS)	ND		1.6	0.40	ng/L		06/16/26 16:10	06/18/26 00:16	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.40	ng/L		06/16/26 16:10	06/18/26 00:16	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.6	0.48	ng/L		06/16/26 16:10	06/18/26 00:16	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.2	0.81	ng/L		06/16/26 16:10	06/18/26 00:16	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		3.2	0.81	ng/L		06/16/26 16:10	06/18/26 00:16	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.2	0.81	ng/L		06/16/26 16:10	06/18/26 00:16	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.6	0.40	ng/L		06/16/26 16:10	06/18/26 00:16	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.6	0.40	ng/L		06/16/26 16:10	06/18/26 00:16	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.6	0.89	ng/L		06/16/26 16:10	06/18/26 00:16	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.6	0.40	ng/L		06/16/26 16:10	06/18/26 00:16	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.6	0.40	ng/L		06/16/26 16:10	06/18/26 00:16	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Client Sample ID: Field Blank 6

Lab Sample ID: 410-287134-10

Date Collected: 06/05/26 16:45

Matrix: Water

Date Received: 06/05/26 19:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.1	3.2	ng/L		06/16/26 16:10	06/18/26 00:16	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.1	3.2	ng/L		06/16/26 16:10	06/18/26 00:16	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.6	1.1	ng/L		06/16/26 16:10	06/18/26 00:16	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.6	0.40	ng/L		06/16/26 16:10	06/18/26 00:16	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.6	0.40	ng/L		06/16/26 16:10	06/18/26 00:16	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.6	0.40	ng/L		06/16/26 16:10	06/18/26 00:16	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.6	0.40	ng/L		06/16/26 16:10	06/18/26 00:16	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		1.6	0.40	ng/L		06/16/26 16:10	06/18/26 00:16	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.6	0.40	ng/L		06/16/26 16:10	06/18/26 00:16	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.6	0.40	ng/L		06/16/26 16:10	06/18/26 00:16	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.2	0.81	ng/L		06/16/26 16:10	06/18/26 00:16	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		8.1	2.3	ng/L		06/16/26 16:10	06/18/26 00:16	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.1	2.0	ng/L		06/16/26 16:10	06/18/26 00:16	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	83.7		5 - 130				06/16/26 16:10	06/18/26 00:16	1
13C5 PFPeA	87.1		40 - 130				06/16/26 16:10	06/18/26 00:16	1
13C5 PFHxA	89.2		40 - 130				06/16/26 16:10	06/18/26 00:16	1
13C4 PFHpA	82.3		40 - 130				06/16/26 16:10	06/18/26 00:16	1
13C8 PFOA	68.3		40 - 130				06/16/26 16:10	06/18/26 00:16	1
13C9 PFNA	88.1		40 - 130				06/16/26 16:10	06/18/26 00:16	1
13C6 PFDA	91.5		40 - 130				06/16/26 16:10	06/18/26 00:16	1
13C7 PFUnA	90.5		30 - 130				06/16/26 16:10	06/18/26 00:16	1
13C2 PFTeDA	99.0		10 - 130				06/16/26 16:10	06/18/26 00:16	1
13C3 PFBS	86.6		40 - 135				06/16/26 16:10	06/18/26 00:16	1
13C3 PFHxS	85.3		40 - 130				06/16/26 16:10	06/18/26 00:16	1
13C8 PFOS	87.6		40 - 130				06/16/26 16:10	06/18/26 00:16	1
13C8 FOSA	80.9		40 - 130				06/16/26 16:10	06/18/26 00:16	1
d3-NMeFOSAA	80.3		40 - 170				06/16/26 16:10	06/18/26 00:16	1
d5-NEtFOSAA	89.3		25 - 135				06/16/26 16:10	06/18/26 00:16	1
13C2 4:2 FTS	85.9		40 - 200				06/16/26 16:10	06/18/26 00:16	1
13C2 6:2 FTS	95.7		40 - 200				06/16/26 16:10	06/18/26 00:16	1
13C2 8:2 FTS	88.4		40 - 300				06/16/26 16:10	06/18/26 00:16	1
13C3 HFPO-DA	81.1		40 - 130				06/16/26 16:10	06/18/26 00:16	1
d7-N-MeFOSE-M	72.7		10 - 130				06/16/26 16:10	06/18/26 00:16	1
d9-N-EtFOSE-M	72.9		10 - 130				06/16/26 16:10	06/18/26 00:16	1
d5-NEtPFOSA	70.2		10 - 130				06/16/26 16:10	06/18/26 00:16	1
d3-NMePFOSA	74.3		10 - 130				06/16/26 16:10	06/18/26 00:16	1
13C2 PFDaA	87.6		10 - 130				06/16/26 16:10	06/18/26 00:16	1
13C3-3:3 FTCA	90.8		20 - 150				06/16/26 16:10	06/18/26 00:16	1

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Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Client Sample ID: Field Blank 6

Lab Sample ID: 410-287134-10

Date Collected: 06/05/26 16:45

Matrix: Water

Date Received: 06/05/26 19:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-5:3 FTCA	88.6		20 - 150	06/16/26 16:10	06/18/26 00:16	1
13C3-PFDoS	73.6		20 - 150	06/16/26 16:10	06/18/26 00:16	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND	cn	0.0021	0.00057	mg/L		06/16/26 01:45	06/16/26 11:46	1
Manganese	0.0013	J cn	0.0021	0.0013	mg/L		06/16/26 01:45	06/16/26 11:46	1
Nickel	ND	cn	0.0010	0.00041	mg/L		06/16/26 01:45	06/16/26 11:46	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Client Sample ID: TB060526

Lab Sample ID: 410-287134-11

Date Collected: 05/07/26 00:00

Matrix: Water

Date Received: 06/05/26 19:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/11/26 17:37	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/11/26 17:37	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/11/26 17:37	1
Styrene	ND		5.0	0.30	ug/L			06/11/26 17:37	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/11/26 17:37	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/11/26 17:37	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/11/26 17:37	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/11/26 17:37	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/11/26 17:37	1
Toluene	ND		1.0	0.30	ug/L			06/11/26 17:37	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/11/26 17:37	1
Cyclohexane	ND		5.0	1.0	ug/L			06/11/26 17:37	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/11/26 17:37	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/11/26 17:37	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/11/26 17:37	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/11/26 17:37	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/11/26 17:37	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/11/26 17:37	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/11/26 17:37	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/11/26 17:37	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/11/26 17:37	1
2-Hexanone	ND		10	0.85	ug/L			06/11/26 17:37	1
Acetone	ND		20	0.70	ug/L			06/11/26 17:37	1
Chloroform	ND		1.0	0.30	ug/L			06/11/26 17:37	1
Benzene	ND		1.0	0.30	ug/L			06/11/26 17:37	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/11/26 17:37	1
Bromomethane	ND		1.0	0.30	ug/L			06/11/26 17:37	1
Chloromethane	ND		2.0	0.55	ug/L			06/11/26 17:37	1
Chloroethane	ND		1.0	0.30	ug/L			06/11/26 17:37	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/11/26 17:37	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/11/26 17:37	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/11/26 17:37	1
Bromoform	ND		4.0	1.0	ug/L			06/11/26 17:37	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/11/26 17:37	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/11/26 17:37	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/11/26 17:37	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/11/26 17:37	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/11/26 17:37	1
Freon 113	ND		10	0.30	ug/L			06/11/26 17:37	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/11/26 17:37	1
2-Butanone	ND		10	1.0	ug/L			06/11/26 17:37	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/11/26 17:37	1
Trichloroethene	ND		1.0	0.30	ug/L			06/11/26 17:37	1
Methyl acetate	ND		5.0	0.60	ug/L			06/11/26 17:37	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/11/26 17:37	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/11/26 17:37	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/11/26 17:37	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/11/26 17:37	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Client Sample ID: TB060526

Lab Sample ID: 410-287134-11

Date Collected: 05/07/26 00:00

Matrix: Water

Date Received: 06/05/26 19:15

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	98		80 - 120		06/11/26 17:37	1
Dibromofluoromethane (Surr)	107		80 - 120		06/11/26 17:37	1
4-Bromofluorobenzene (Surr)	91		80 - 120		06/11/26 17:37	1
Toluene-d8 (Surr)	94		80 - 120		06/11/26 17:37	1

Surrogate Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (80-120)	DBFM (80-120)	BFB (80-120)	TOL (80-120)
410-287134-1	MW-85B	104 cn	94 cn	94 cn	98 cn
410-287134-1 - DL	MW-85B	99 cn	112 cn	94 cn	90 cn
410-287134-2	MW-85A	96	96	90	100
410-287134-2 - DL	MW-85A	104 cn	113 cn	93 cn	91 cn
410-287134-2 MS	MW-85A	97	98	88	98
410-287134-2 MSD	MW-85A	100	96	88	99
410-287134-3	MW-13	104	102	93	96
410-287134-4	MW-30CR	106	99	94	96
410-287134-4	MW-30CR	103 cn	111 cn	95 cn	92 cn
410-287134-5	PZ-1	104	101	93	97
410-287134-6	PZ-6	103	101	95	98
410-287134-7	PZ-7	102	99	93	98
410-287134-8	PZ-9	102	101	92	97
410-287134-9	Duplicate 6	97	97	87	99
410-287134-9 - DL	Duplicate 6	105 cn	113 cn	93 cn	89 cn
410-287134-10	Field Blank 6	104	100	94	99
410-287134-11	TB060526	98	107	91	94
LCS 410-833376/4	Lab Control Sample	96	99	95	96
LCS 410-837372/4	Lab Control Sample	104	101	91	97
LCS 410-838068/64	Lab Control Sample	100	108	95	95
LCSD 410-833376/5	Lab Control Sample Dup	95	98	96	95
LCSD 410-837372/5	Lab Control Sample Dup	105	102	91	97
MB 410-833376/7	Method Blank	97	103	92	96
MB 410-837372/7	Method Blank	106	103	94	99
MB 410-838068/7	Method Blank	104	112	93	94

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
DBFM = Dibromofluoromethane (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)

Isotope Dilution Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (5-130)	PFPeA (40-130)	13C5PHA (40-130)	C4PFHA (40-130)	C8PFOA (40-130)	C9PFNA (40-130)	C6PFDA (40-130)	13C7PUA (30-130)
410-287134-1	MW-85B	81.2	72.7	76.5	73.9	76.3	85.5	81.8	83.2
410-287134-2	MW-85A	78.7	69.8	68.2	69.5	64.9	68.5	69.7	72.7
410-287134-2 MS	MW-85A	79.1	72.9	75.1	75.1	79.8	83.9	84.2	89.1
410-287134-2 MSD	MW-85A	77.6	73.7	69.7	68.8	77.4	82.0	75.9	82.3
410-287134-3	MW-13	75.1	58.7	72.1	70.1	74.1	83.2	85.1	87.2
410-287134-4	MW-30CR	72.2	69.8	70.2	67.3	71.9	77.9	80.9	77.6
410-287134-5	PZ-1	84.5 cn	86.0 cn	86.5 cn	83.1 cn	81.6 cn	77.1 cn	65.2 cn	61.0 cn
410-287134-6	PZ-6	80.6 cn	76.7 cn	73.4 cn	68.6 cn	72.3 cn	68.3 cn	62.9 cn	57.1 cn
410-287134-7	PZ-7	90.1 cn	89.0 cn	90.9 cn	81.4 cn	75.5 cn	83.6 cn	77.6 cn	73.5 cn
410-287134-8	PZ-9	74.4 cn	69.3 cn	69.9 cn	62.2 cn	52.5 cn	61.8 cn	58.1 cn	55.4 cn
410-287134-9	Duplicate 6	82.3	81.6	80.2	80.0	77.4	86.4	91.7	90.4
410-287134-10	Field Blank 6	83.7	87.1	89.2	82.3	68.3	88.1	91.5	90.5
LCS 410-836300/7-A	Lab Control Sample	86.4	87.8	87.8	84.7	85.6	83.8	84.5	85.0
LCS 410-843231/2-A	Lab Control Sample	79.3	78.0	76.2	77.7	83.6	80.4	75.6	77.2
LLCS 410-836300/8-A	Lab Control Sample	102	109	112	108	107	102	95.4	96.3
LLCS 410-843231/3-A	Lab Control Sample	88.9	89.0	87.5	85.9	84.3	85.4	83.0	79.0
MB 410-836300/6-A	Method Blank	80.0	81.7	82.8	77.3	79.9	76.0	73.3	75.8
MB 410-843231/1-A	Method Blank	82.4	85.3	86.3	80.7	75.8	87.7	81.5	88.7
		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFTDA (10-130)	C3PFBS (40-135)	C3PFHS (40-130)	C8PFOS (40-130)	PFOSA (40-130)	d3NMFOS (40-170)	d5NEFOS (25-135)	M242FTS (40-200)
410-287134-1	MW-85B	83.3	80.4	80.9	89.1	75.5	90.8	102	177
410-287134-2	MW-85A	61.1	73.7	66.8	63.3	65.6	78.5	147 *5+	195
410-287134-2 MS	MW-85A	64.1	82.3	79.5	81.0	76.6	96.9	147 *5+	220 *5+
410-287134-2 MSD	MW-85A	63.9	82.8	83.5	77.2	71.1	86.4	149 *5+	222 *5+
410-287134-3	MW-13	84.2	79.2	82.1	85.5	83.7	110	110	238 *5+ cn
410-287134-4	MW-30CR	33.9	74.3	74.6	79.3	70.1	84.0	80.3	137
410-287134-5	PZ-1	26.0 cn	84.4 cn	79.0 cn	69.1 cn	63.8 cn	59.3 cn	59.3 cn	124 cn
410-287134-6	PZ-6	28.7 cn	77.8 cn	72.5 cn	64.4 cn	59.8 cn	65.6 cn	63.8 cn	121 cn
410-287134-7	PZ-7	30.6 cn	85.2 cn	82.3 cn	73.0 cn	67.0 cn	79.2 cn	70.3 cn	109 cn
410-287134-8	PZ-9	22.1 cn	67.2 cn	62.3 cn	60.0 cn	61.5 cn	57.0 cn	57.3 cn	83.3 cn
410-287134-9	Duplicate 6	86.8	84.7	82.3	86.5	80.0	91.4	93.4	200
410-287134-10	Field Blank 6	99.0	86.6	85.3	87.6	80.9	80.3	89.3	85.9
LCS 410-836300/7-A	Lab Control Sample	89.4	80.4	79.0	82.6	77.1	80.5	90.1	85.7
LCS 410-843231/2-A	Lab Control Sample	53.6	86.0	79.6	69.7	70.4	75.3	70.3	84.5
LLCS 410-836300/8-A	Lab Control Sample	84.4	106	98.0	104	94.9	101	91.5	132
LLCS 410-843231/3-A	Lab Control Sample	60.3	90.3	91.4	84.8	84.5	89.6	91.6	94.5
MB 410-836300/6-A	Method Blank	75.7	77.4	75.0	76.7	68.2	71.2	80.0	79.7
MB 410-843231/1-A	Method Blank	58.5	84.5	74.9	81.4	79.2	87.2	168 *5+	88.5
		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M262FTS (40-200)	M282FTS (40-300)	HFPODA (40-130)	NMFM (10-130)	NEFM (10-130)	d5NPFSA (10-130)	d3NMFSFA (10-130)	PFDoA (10-130)
410-287134-1	MW-85B	133	111	81.4	71.9	71.6	63.8	68.2	79.6
410-287134-2	MW-85A	89.2	47.6	59.6	57.0	55.9	49.9	56.6	65.2
410-287134-2 MS	MW-85A	112	104	65.4	66.9	65.3	50.5	62.8	77.3
410-287134-2 MSD	MW-85A	115	89.6	61.9	62.9	65.4	52.7	61.8	67.4
410-287134-3	MW-13	227 *5+ cn	150	75.4	50.5	46.6	68.9	71.1	80.3

Eurofins Lancaster Laboratories Environment Testing, LLC

Isotope Dilution Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		M262FTS (40-200)	M282FTS (40-300)	HFPODA (40-130)	NMFM (10-130)	NEFM (10-130)	d5NPFSA (10-130)	d3NMFSFA (10-130)	PFD _o A (10-130)
410-287134-4	MW-30CR	114	88.7	69.0	33.2	27.0	53.2	58.6	61.8
410-287134-5	PZ-1	157 cn	73.2 cn	84.9 cn	19.3 cn	13.0 cn	33.5 cn	42.7 cn	46.6 cn
410-287134-6	PZ-6	139 cn	64.7 cn	73.1 cn	28.4 cn	25.7 cn	29.9 cn	37.8 cn	45.0 cn
410-287134-7	PZ-7	176 cn	82.8 cn	86.6 cn	36.3 cn	31.0 cn	31.3 cn	39.5 cn	62.3 cn
410-287134-8	PZ-9	111 cn	59.2 cn	66.7 cn	35.2 cn	29.3 cn	26.3 cn	34.7 cn	42.4 cn
410-287134-9	Duplicate 6	118	101	82.1	63.3	69.9	66.3	71.7	86.5
410-287134-10	Field Blank 6	95.7	88.4	81.1	72.7	72.9	70.2	74.3	87.6
LCS 410-836300/7-A	Lab Control Sample	91.5	78.2	85.3	73.0	73.4	66.7	66.1	79.6
LCS 410-843231/2-A	Lab Control Sample	85.8	73.2	77.6	50.1	47.4	52.8	58.5	64.7
LLCS 410-836300/8-A	Lab Control Sample	132	181	113	77.6	74.9	67.1	70.3	92.9
LLCS 410-843231/3-A	Lab Control Sample	94.5	86.2	82.2	72.2	66.7	67.5	71.6	72.7
MB 410-836300/6-A	Method Blank	89.0	75.0	75.0	66.5	67.0	55.9	57.2	69.7
MB 410-843231/1-A	Method Blank	76.0	71.3	76.6	50.3	49.3	57.1	60.8	72.3

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)		
		13C3-3 FTC _o (20-150)	13C5-3 FTC _o (20-150)	13C3-PFD _o (20-150)
410-287134-1	MW-85B	82.7	82.9	63.9
410-287134-2	MW-85A	74.1	76.2	58.9
410-287134-2 MS	MW-85A	78.8	105	61.8
410-287134-2 MSD	MW-85A	74.0	92.8	66.2
410-287134-3	MW-13	80.8	91.5	67.7
410-287134-4	MW-30CR	90.6	74.5	20.8
410-287134-5	PZ-1	107 cn	90.0 cn	22.7 cn
410-287134-6	PZ-6	82.1 cn	71.1 cn	23.7 cn
410-287134-7	PZ-7	88.1 cn	88.8 cn	24.7 cn
410-287134-8	PZ-9	73.7 cn	67.0 cn	20.3 cn
410-287134-9	Duplicate 6	94.3	92.0	67.3
410-287134-10	Field Blank 6	90.8	88.6	73.6
LCS 410-836300/7-A	Lab Control Sample	104	81.2	70.1
LCS 410-843231/2-A	Lab Control Sample	79.3	64.5	48.5
LLCS 410-836300/8-A	Lab Control Sample	144	116	82.8
LLCS 410-843231/3-A	Lab Control Sample	84.2	68.1	61.7
MB 410-836300/6-A	Method Blank	91.5	76.4	61.6
MB 410-843231/1-A	Method Blank	74.2	68.2	48.0

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA

Isotope Dilution Summary

Client: Groundwater & Environmental Services Inc

Job ID: 410-287134-1

Project/Site: GTAC-Bishop Tube HSCA Site

d5NEFOS = d5-NEtFOSAA
M242FTS = 13C2 4:2 FTS
M262FTS = 13C2 6:2 FTS
M282FTS = 13C2 8:2 FTS
HFPODA = 13C3 HFPO-DA
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
d5NPFSA = d5-NEtPFOSA
d3NMFSA = d3-NMePFOSA
PFDoA = 13C2 PFDoA
C3-3:3 FTCA = 13C3-3:3 FTCA
C3-5:3 FTCA = 13C3-5:3 FTCA
13C3-PFDoS = 13C3-PFDoS

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 410-833376/7

Matrix: Water

Analysis Batch: 833376

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/11/26 10:23	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/11/26 10:23	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/11/26 10:23	1
Styrene	ND		5.0	0.30	ug/L			06/11/26 10:23	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/11/26 10:23	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/11/26 10:23	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/11/26 10:23	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/11/26 10:23	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/11/26 10:23	1
Toluene	ND		1.0	0.30	ug/L			06/11/26 10:23	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/11/26 10:23	1
Cyclohexane	ND		5.0	1.0	ug/L			06/11/26 10:23	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/11/26 10:23	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/11/26 10:23	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/11/26 10:23	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/11/26 10:23	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/11/26 10:23	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/11/26 10:23	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/11/26 10:23	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/11/26 10:23	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/11/26 10:23	1
2-Hexanone	ND		10	0.85	ug/L			06/11/26 10:23	1
Acetone	ND		20	0.70	ug/L			06/11/26 10:23	1
Chloroform	ND		1.0	0.30	ug/L			06/11/26 10:23	1
Benzene	ND		1.0	0.30	ug/L			06/11/26 10:23	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/11/26 10:23	1
Bromomethane	ND		1.0	0.30	ug/L			06/11/26 10:23	1
Chloromethane	ND		2.0	0.55	ug/L			06/11/26 10:23	1
Chloroethane	ND		1.0	0.30	ug/L			06/11/26 10:23	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/11/26 10:23	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/11/26 10:23	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/11/26 10:23	1
Bromoform	ND		4.0	1.0	ug/L			06/11/26 10:23	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/11/26 10:23	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/11/26 10:23	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/11/26 10:23	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/11/26 10:23	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/11/26 10:23	1
Freon 113	ND		10	0.30	ug/L			06/11/26 10:23	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/11/26 10:23	1
2-Butanone	ND		10	1.0	ug/L			06/11/26 10:23	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/11/26 10:23	1
Trichloroethene	ND		1.0	0.30	ug/L			06/11/26 10:23	1
Methyl acetate	ND		5.0	0.60	ug/L			06/11/26 10:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/11/26 10:23	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/11/26 10:23	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/11/26 10:23	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/11/26 10:23	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-833376/7

Matrix: Water

Analysis Batch: 833376

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		80 - 120		06/11/26 10:23	1
Dibromofluoromethane (Surr)	103		80 - 120		06/11/26 10:23	1
4-Bromofluorobenzene (Surr)	92		80 - 120		06/11/26 10:23	1
Toluene-d8 (Surr)	96		80 - 120		06/11/26 10:23	1

Lab Sample ID: LCS 410-833376/4

Matrix: Water

Analysis Batch: 833376

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	20.0	18.6		ug/L		93	75 - 120
trans-1,3-Dichloropropene	20.0	18.7		ug/L		93	67 - 120
Ethylbenzene	20.0	20.7		ug/L		103	80 - 120
Styrene	20.0	20.5		ug/L		103	80 - 120
1,4-Dichlorobenzene	20.0	21.0		ug/L		105	80 - 120
1,2-Dibromoethane	20.0	20.7		ug/L		104	77 - 120
1,2-Dichloroethane	20.0	20.0		ug/L		100	73 - 124
4-Methyl-2-pentanone	250	243		ug/L		97	62 - 133
Methylcyclohexane	20.0	17.3		ug/L		87	60 - 121
Toluene	20.0	20.0		ug/L		100	80 - 120
Chlorobenzene	20.0	20.9		ug/L		104	80 - 120
Cyclohexane	20.0	17.3		ug/L		86	60 - 126
1,2,4-Trichlorobenzene	20.0	17.4		ug/L		87	63 - 127
Dibromochloromethane	20.0	18.9		ug/L		94	71 - 120
Xylenes, Total	60.0	61.8		ug/L		103	80 - 120
Tetrachloroethene	20.0	22.6		ug/L		113	80 - 120
cis-1,2-Dichloroethene	20.0	21.0		ug/L		105	80 - 125
trans-1,2-Dichloroethene	20.0	21.1		ug/L		106	80 - 126
Methyl tertiary butyl ether	20.0	17.2		ug/L		86	69 - 122
1,3-Dichlorobenzene	20.0	20.7		ug/L		104	80 - 120
Carbon tetrachloride	20.0	20.9		ug/L		105	64 - 134
2-Hexanone	250	226		ug/L		90	56 - 143
Acetone	250	224		ug/L		90	57 - 150
Chloroform	20.0	20.1		ug/L		100	72 - 120
Benzene	20.0	20.2		ug/L		101	80 - 120
1,1,1-Trichloroethane	20.0	20.2		ug/L		101	73 - 120
Bromomethane	20.0	16.8		ug/L		84	61 - 128
Chloromethane	20.0	16.4		ug/L		82	48 - 134
Chloroethane	20.0	19.1		ug/L		95	67 - 123
Vinyl chloride	20.0	16.8		ug/L		84	56 - 120
Methylene Chloride	20.0	21.8		ug/L		109	80 - 120
Carbon disulfide	20.0	15.3		ug/L		76	55 - 139
Bromoform	20.0	18.5		ug/L		92	63 - 128
Bromodichloromethane	20.0	19.5		ug/L		97	71 - 120
1,1-Dichloroethane	20.0	20.9		ug/L		104	80 - 126
1,1-Dichloroethene	20.0	21.9		ug/L		110	80 - 131
Trichlorofluoromethane	20.0	14.5		ug/L		72	57 - 120
Dichlorodifluoromethane	20.0	13.3		ug/L		67	40 - 127

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-833376/4

Matrix: Water

Analysis Batch: 833376

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Freon 113	20.0	18.5		ug/L		92	57 - 122
1,2-Dichloropropane	20.0	19.9		ug/L		100	80 - 120
2-Butanone	250	244		ug/L		98	59 - 135
1,1,2-Trichloroethane	20.0	20.4		ug/L		102	80 - 120
Trichloroethene	20.0	20.7		ug/L		104	80 - 120
Methyl acetate	20.0	21.8		ug/L		109	55 - 157
1,1,2,2-Tetrachloroethane	20.0	19.4		ug/L		97	72 - 127
1,2-Dichlorobenzene	20.0	20.1		ug/L		100	80 - 120
1,2-Dibromo-3-Chloropropane	20.0	16.4		ug/L		82	60 - 120
Isopropylbenzene	20.0	20.2		ug/L		101	80 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		80 - 120
Dibromofluoromethane (Surr)	99		80 - 120
4-Bromofluorobenzene (Surr)	95		80 - 120
Toluene-d8 (Surr)	96		80 - 120

Lab Sample ID: LCSD 410-833376/5

Matrix: Water

Analysis Batch: 833376

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	20.0	18.6		ug/L		93	75 - 120	0	30
trans-1,3-Dichloropropene	20.0	19.4		ug/L		97	67 - 120	4	30
Ethylbenzene	20.0	20.9		ug/L		105	80 - 120	1	30
Styrene	20.0	21.0		ug/L		105	80 - 120	2	30
1,4-Dichlorobenzene	20.0	20.9		ug/L		104	80 - 120	1	30
1,2-Dibromoethane	20.0	21.2		ug/L		106	77 - 120	2	30
1,2-Dichloroethane	20.0	21.4		ug/L		107	73 - 124	7	30
4-Methyl-2-pentanone	250	242		ug/L		97	62 - 133	0	30
Methylcyclohexane	20.0	17.4		ug/L		87	60 - 121	0	30
Toluene	20.0	20.4		ug/L		102	80 - 120	2	30
Chlorobenzene	20.0	21.0		ug/L		105	80 - 120	1	30
Cyclohexane	20.0	17.2		ug/L		86	60 - 126	1	30
1,2,4-Trichlorobenzene	20.0	16.7		ug/L		83	63 - 127	4	30
Dibromochloromethane	20.0	19.3		ug/L		97	71 - 120	2	30
Xylenes, Total	60.0	62.1		ug/L		104	80 - 120	0	30
Tetrachloroethene	20.0	22.4		ug/L		112	80 - 120	1	30
cis-1,2-Dichloroethene	20.0	20.9		ug/L		105	80 - 125	0	30
trans-1,2-Dichloroethene	20.0	20.7		ug/L		104	80 - 126	2	30
Methyl tertiary butyl ether	20.0	17.7		ug/L		88	69 - 122	3	30
1,3-Dichlorobenzene	20.0	21.0		ug/L		105	80 - 120	1	30
Carbon tetrachloride	20.0	20.8		ug/L		104	64 - 134	1	30
2-Hexanone	250	227		ug/L		91	56 - 143	0	30
Acetone	250	265		ug/L		106	57 - 150	17	30
Chloroform	20.0	19.9		ug/L		100	72 - 120	1	30
Benzene	20.0	20.2		ug/L		101	80 - 120	0	30
1,1,1-Trichloroethane	20.0	20.2		ug/L		101	73 - 120	0	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-833376/5

Matrix: Water

Analysis Batch: 833376

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromomethane	20.0	17.1		ug/L		86	61 - 128	2	30
Chloromethane	20.0	17.3		ug/L		87	48 - 134	5	30
Chloroethane	20.0	18.2		ug/L		91	67 - 123	5	30
Vinyl chloride	20.0	17.0		ug/L		85	56 - 120	1	30
Methylene Chloride	20.0	21.2		ug/L		106	80 - 120	3	30
Carbon disulfide	20.0	17.1		ug/L		85	55 - 139	11	30
Bromoform	20.0	18.6		ug/L		93	63 - 128	1	30
Bromodichloromethane	20.0	20.1		ug/L		100	71 - 120	3	30
1,1-Dichloroethane	20.0	20.5		ug/L		103	80 - 126	2	30
1,1-Dichloroethene	20.0	22.3		ug/L		111	80 - 131	2	30
Trichlorofluoromethane	20.0	14.7		ug/L		73	57 - 120	1	30
Dichlorodifluoromethane	20.0	13.7		ug/L		68	40 - 127	2	30
Freon 113	20.0	16.9		ug/L		84	57 - 122	9	30
1,2-Dichloropropane	20.0	19.7		ug/L		98	80 - 120	1	30
2-Butanone	250	242		ug/L		97	59 - 135	1	30
1,1,2-Trichloroethane	20.0	20.5		ug/L		103	80 - 120	0	30
Trichloroethene	20.0	20.9		ug/L		104	80 - 120	1	30
Methyl acetate	20.0	22.1		ug/L		110	55 - 157	1	30
1,1,2,2-Tetrachloroethane	20.0	19.2		ug/L		96	72 - 127	1	30
1,2-Dichlorobenzene	20.0	19.8		ug/L		99	80 - 120	1	30
1,2-Dibromo-3-Chloropropane	20.0	15.8		ug/L		79	60 - 120	4	30
Isopropylbenzene	20.0	20.2		ug/L		101	80 - 132	0	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		80 - 120
Dibromofluoromethane (Surr)	98		80 - 120
4-Bromofluorobenzene (Surr)	96		80 - 120
Toluene-d8 (Surr)	95		80 - 120

Lab Sample ID: MB 410-837372/7

Matrix: Water

Analysis Batch: 837372

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/18/26 09:41	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/18/26 09:41	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/18/26 09:41	1
Styrene	ND		5.0	0.30	ug/L			06/18/26 09:41	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 09:41	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/18/26 09:41	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/18/26 09:41	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/18/26 09:41	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/18/26 09:41	1
Toluene	ND		1.0	0.30	ug/L			06/18/26 09:41	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/18/26 09:41	1
Cyclohexane	ND		5.0	1.0	ug/L			06/18/26 09:41	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 09:41	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/18/26 09:41	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-837372/7

Matrix: Water

Analysis Batch: 837372

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		1.0	0.40	ug/L			06/18/26 09:41	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/18/26 09:41	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/18/26 09:41	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/18/26 09:41	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/18/26 09:41	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/18/26 09:41	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/18/26 09:41	1
2-Hexanone	ND		10	0.85	ug/L			06/18/26 09:41	1
Acetone	ND		20	0.70	ug/L			06/18/26 09:41	1
Chloroform	ND		1.0	0.30	ug/L			06/18/26 09:41	1
Benzene	ND		1.0	0.30	ug/L			06/18/26 09:41	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/18/26 09:41	1
Bromomethane	ND		1.0	0.30	ug/L			06/18/26 09:41	1
Chloromethane	ND		2.0	0.55	ug/L			06/18/26 09:41	1
Chloroethane	ND		1.0	0.30	ug/L			06/18/26 09:41	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/18/26 09:41	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/18/26 09:41	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/18/26 09:41	1
Bromoform	ND		4.0	1.0	ug/L			06/18/26 09:41	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/18/26 09:41	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/18/26 09:41	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/18/26 09:41	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/18/26 09:41	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/18/26 09:41	1
Freon 113	ND		10	0.30	ug/L			06/18/26 09:41	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/18/26 09:41	1
2-Butanone	ND		10	1.0	ug/L			06/18/26 09:41	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/18/26 09:41	1
Trichloroethene	ND		1.0	0.30	ug/L			06/18/26 09:41	1
Methyl acetate	ND		5.0	0.60	ug/L			06/18/26 09:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/18/26 09:41	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/18/26 09:41	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/18/26 09:41	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/18/26 09:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		80 - 120		06/18/26 09:41	1
Dibromofluoromethane (Surr)	103		80 - 120		06/18/26 09:41	1
4-Bromofluorobenzene (Surr)	94		80 - 120		06/18/26 09:41	1
Toluene-d8 (Surr)	99		80 - 120		06/18/26 09:41	1

Lab Sample ID: LCS 410-837372/4

Matrix: Water

Analysis Batch: 837372

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	20.0	19.1		ug/L		95	75 - 120
trans-1,3-Dichloropropene	20.0	18.4		ug/L		92	67 - 120

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-837372/4

Matrix: Water

Analysis Batch: 837372

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	20.0	20.6		ug/L		103	80 - 120
Styrene	20.0	21.1		ug/L		105	80 - 120
1,4-Dichlorobenzene	20.0	22.1		ug/L		110	80 - 120
1,2-Dibromoethane	20.0	21.0		ug/L		105	77 - 120
1,2-Dichloroethane	20.0	18.9		ug/L		94	73 - 124
4-Methyl-2-pentanone	250	244		ug/L		98	62 - 133
Methylcyclohexane	20.0	20.3		ug/L		102	60 - 121
Toluene	20.0	20.9		ug/L		105	80 - 120
Chlorobenzene	20.0	21.4		ug/L		107	80 - 120
Cyclohexane	20.0	19.8		ug/L		99	60 - 126
1,2,4-Trichlorobenzene	20.0	19.8		ug/L		99	63 - 127
Dibromochloromethane	20.0	20.4		ug/L		102	71 - 120
Xylenes, Total	60.0	63.7		ug/L		106	80 - 120
Tetrachloroethene	20.0	22.7		ug/L		113	80 - 120
cis-1,2-Dichloroethene	20.0	21.7		ug/L		108	80 - 125
trans-1,2-Dichloroethene	20.0	22.6		ug/L		113	80 - 126
Methyl tertiary butyl ether	20.0	18.7		ug/L		93	69 - 122
1,3-Dichlorobenzene	20.0	21.8		ug/L		109	80 - 120
Carbon tetrachloride	20.0	20.5		ug/L		102	64 - 134
2-Hexanone	250	236		ug/L		94	56 - 143
Acetone	250	312		ug/L		125	57 - 150
Chloroform	20.0	20.3		ug/L		101	72 - 120
Benzene	20.0	21.5		ug/L		108	80 - 120
1,1,1-Trichloroethane	20.0	20.8		ug/L		104	73 - 120
Bromomethane	20.0	21.2		ug/L		106	61 - 128
Chloromethane	20.0	18.8		ug/L		94	48 - 134
Chloroethane	20.0	19.9		ug/L		99	67 - 123
Vinyl chloride	20.0	17.9		ug/L		89	56 - 120
Methylene Chloride	20.0	21.5		ug/L		108	80 - 120
Carbon disulfide	20.0	21.8		ug/L		109	55 - 139
Bromoform	20.0	18.2		ug/L		91	63 - 128
Bromodichloromethane	20.0	20.0		ug/L		100	71 - 120
1,1-Dichloroethane	20.0	21.6		ug/L		108	80 - 126
1,1-Dichloroethene	20.0	24.0		ug/L		120	80 - 131
Trichlorofluoromethane	20.0	16.2		ug/L		81	57 - 120
Dichlorodifluoromethane	20.0	15.9		ug/L		80	40 - 127
Freon 113	20.0	22.7		ug/L		113	57 - 122
1,2-Dichloropropane	20.0	20.9		ug/L		104	80 - 120
2-Butanone	250	206		ug/L		82	59 - 135
1,1,2-Trichloroethane	20.0	21.0		ug/L		105	80 - 120
Trichloroethene	20.0	21.3		ug/L		107	80 - 120
Methyl acetate	20.0	20.3		ug/L		102	55 - 157
1,1,2,2-Tetrachloroethane	20.0	19.7		ug/L		98	72 - 127
1,2-Dichlorobenzene	20.0	20.7		ug/L		104	80 - 120
1,2-Dibromo-3-Chloropropane	20.0	15.0		ug/L		75	60 - 120
Isopropylbenzene	20.0	23.0		ug/L		115	80 - 132

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-837372/4

Matrix: Water

Analysis Batch: 837372

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	101		80 - 120
4-Bromofluorobenzene (Surr)	91		80 - 120
Toluene-d8 (Surr)	97		80 - 120

Lab Sample ID: LCSD 410-837372/5

Matrix: Water

Analysis Batch: 837372

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	20.0	18.8		ug/L		94	75 - 120	1	30
trans-1,3-Dichloropropene	20.0	17.9		ug/L		90	67 - 120	2	30
Ethylbenzene	20.0	20.5		ug/L		102	80 - 120	1	30
Styrene	20.0	21.0		ug/L		105	80 - 120	0	30
1,4-Dichlorobenzene	20.0	21.8		ug/L		109	80 - 120	1	30
1,2-Dibromoethane	20.0	20.5		ug/L		102	77 - 120	3	30
1,2-Dichloroethane	20.0	19.0		ug/L		95	73 - 124	1	30
4-Methyl-2-pentanone	250	239		ug/L		96	62 - 133	2	30
Methylcyclohexane	20.0	20.6		ug/L		103	60 - 121	1	30
Toluene	20.0	21.1		ug/L		105	80 - 120	1	30
Chlorobenzene	20.0	21.2		ug/L		106	80 - 120	1	30
Cyclohexane	20.0	19.8		ug/L		99	60 - 126	0	30
1,2,4-Trichlorobenzene	20.0	19.2		ug/L		96	63 - 127	3	30
Dibromochloromethane	20.0	20.0		ug/L		100	71 - 120	2	30
Xylenes, Total	60.0	63.5		ug/L		106	80 - 120	0	30
Tetrachloroethene	20.0	22.4		ug/L		112	80 - 120	1	30
cis-1,2-Dichloroethene	20.0	21.8		ug/L		109	80 - 125	0	30
trans-1,2-Dichloroethene	20.0	23.1		ug/L		116	80 - 126	2	30
Methyl tertiary butyl ether	20.0	19.1		ug/L		96	69 - 122	3	30
1,3-Dichlorobenzene	20.0	21.9		ug/L		109	80 - 120	0	30
Carbon tetrachloride	20.0	20.3		ug/L		101	64 - 134	1	30
2-Hexanone	250	233		ug/L		93	56 - 143	1	30
Acetone	250	291		ug/L		117	57 - 150	7	30
Chloroform	20.0	20.3		ug/L		102	72 - 120	0	30
Benzene	20.0	21.6		ug/L		108	80 - 120	0	30
1,1,1-Trichloroethane	20.0	20.7		ug/L		104	73 - 120	0	30
Bromomethane	20.0	21.0		ug/L		105	61 - 128	1	30
Chloromethane	20.0	18.2		ug/L		91	48 - 134	3	30
Chloroethane	20.0	19.2		ug/L		96	67 - 123	3	30
Vinyl chloride	20.0	17.6		ug/L		88	56 - 120	1	30
Methylene Chloride	20.0	21.5		ug/L		107	80 - 120	0	30
Carbon disulfide	20.0	21.3		ug/L		107	55 - 139	2	30
Bromoform	20.0	18.2		ug/L		91	63 - 128	0	30
Bromodichloromethane	20.0	20.2		ug/L		101	71 - 120	1	30
1,1-Dichloroethane	20.0	21.4		ug/L		107	80 - 126	1	30
1,1-Dichloroethene	20.0	24.0		ug/L		120	80 - 131	0	30
Trichlorofluoromethane	20.0	16.0		ug/L		80	57 - 120	1	30
Dichlorodifluoromethane	20.0	15.4		ug/L		77	40 - 127	4	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-837372/5

Matrix: Water

Analysis Batch: 837372

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Freon 113	20.0	22.4		ug/L		112	57 - 122	1	30
1,2-Dichloropropane	20.0	20.6		ug/L		103	80 - 120	1	30
2-Butanone	250	206		ug/L		82	59 - 135	0	30
1,1,2-Trichloroethane	20.0	20.6		ug/L		103	80 - 120	2	30
Trichloroethene	20.0	21.5		ug/L		108	80 - 120	1	30
Methyl acetate	20.0	20.5		ug/L		102	55 - 157	1	30
1,1,2,2-Tetrachloroethane	20.0	19.7		ug/L		99	72 - 127	0	30
1,2-Dichlorobenzene	20.0	20.7		ug/L		104	80 - 120	0	30
1,2-Dibromo-3-Chloropropane	20.0	14.7		ug/L		73	60 - 120	2	30
Isopropylbenzene	20.0	23.0		ug/L		115	80 - 132	0	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		80 - 120
Dibromofluoromethane (Surr)	102		80 - 120
4-Bromofluorobenzene (Surr)	91		80 - 120
Toluene-d8 (Surr)	97		80 - 120

Lab Sample ID: 410-287134-2 MS

Matrix: Water

Analysis Batch: 837372

Client Sample ID: MW-85A

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	ND		20.0	20.1		ug/L		101	75 - 120
trans-1,3-Dichloropropene	ND		20.0	19.3		ug/L		96	67 - 120
Ethylbenzene	ND		20.0	22.4		ug/L		112	80 - 120
Styrene	ND		20.0	21.9		ug/L		110	80 - 120
1,4-Dichlorobenzene	ND		20.0	23.0		ug/L		115	80 - 120
1,2-Dibromoethane	ND		20.0	20.8		ug/L		104	77 - 120
1,2-Dichloroethane	ND		20.0	19.5		ug/L		97	73 - 124
4-Methyl-2-pentanone	ND		250	243		ug/L		97	62 - 133
Methylcyclohexane	ND		20.0	23.3		ug/L		116	60 - 121
Toluene	2.4		20.0	25.9		ug/L		118	80 - 120
Chlorobenzene	ND		20.0	22.7		ug/L		113	80 - 120
Cyclohexane	ND		20.0	22.3		ug/L		111	60 - 126
1,2,4-Trichlorobenzene	ND		20.0	19.0		ug/L		95	63 - 127
Dibromochloromethane	ND		20.0	22.9		ug/L		114	71 - 120
Xylenes, Total	ND		60.0	68.9		ug/L		115	80 - 120
Tetrachloroethene	180	4	20.0	217	4	ug/L		172	80 - 120
cis-1,2-Dichloroethene	31		20.0	53.5		ug/L		114	80 - 125
trans-1,2-Dichloroethene	ND		20.0	24.4		ug/L		122	80 - 126
Methyl tertiary butyl ether	ND		20.0	18.3		ug/L		91	69 - 122
1,3-Dichlorobenzene	ND		20.0	22.8		ug/L		114	80 - 120
Carbon tetrachloride	1.5		20.0	24.3		ug/L		114	64 - 134
2-Hexanone	ND		250	241		ug/L		96	56 - 143
Acetone	20	^c cn	250	324		ug/L		122	57 - 150
Chloroform	0.79	J	20.0	22.4		ug/L		108	72 - 120
Benzene	0.42	J	20.0	24.0		ug/L		118	80 - 120
1,1,1-Trichloroethane	51		20.0	74.3		ug/L		117	73 - 120

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 410-287134-2 MS

Matrix: Water

Analysis Batch: 837372

Client Sample ID: MW-85A

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	ND		20.0	19.9		ug/L		100	61 - 128
Chloromethane	ND		20.0	16.5		ug/L		82	48 - 134
Chloroethane	ND		20.0	18.7		ug/L		93	67 - 123
Vinyl chloride	ND		20.0	17.6		ug/L		88	56 - 120
Methylene Chloride	ND		20.0	21.9		ug/L		109	80 - 120
Carbon disulfide	ND		20.0	22.6		ug/L		113	55 - 139
Bromoform	ND		20.0	20.9		ug/L		104	63 - 128
Bromodichloromethane	ND		20.0	21.6		ug/L		108	71 - 120
1,1-Dichloroethane	1.6		20.0	23.7		ug/L		111	80 - 126
1,1-Dichloroethene	2.7	FH	20.0	40.8	FH	ug/L		191	80 - 131
Trichlorofluoromethane	ND		20.0	16.3		ug/L		82	57 - 120
Dichlorodifluoromethane	ND		20.0	17.5		ug/L		88	40 - 127
Freon 113	0.62	J FH	20.0	25.5	FH	ug/L		125	57 - 122
1,2-Dichloropropane	ND		20.0	22.2		ug/L		111	80 - 120
2-Butanone	ND		250	210		ug/L		84	59 - 135
1,1,2-Trichloroethane	ND		20.0	21.0		ug/L		105	80 - 120
Trichloroethene	9900	E ES 4	20.0	9610	E ES 4	ug/L		-1568	80 - 120
Methyl acetate	ND		20.0	21.1		ug/L		106	55 - 157
1,1,2,2-Tetrachloroethane	ND		20.0	20.9		ug/L		104	72 - 127
1,2-Dichlorobenzene	ND		20.0	22.1		ug/L		110	80 - 120
1,2-Dibromo-3-Chloropropane	ND	^c cn	20.0	16.5		ug/L		83	60 - 120
Isopropylbenzene	ND		20.0	25.0		ug/L		125	80 - 132

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		80 - 120
Dibromofluoromethane (Surr)	98		80 - 120
4-Bromofluorobenzene (Surr)	88		80 - 120
Toluene-d8 (Surr)	98		80 - 120

Lab Sample ID: 410-287134-2 MSD

Matrix: Water

Analysis Batch: 837372

Client Sample ID: MW-85A

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	ND		20.0	18.1		ug/L		91	75 - 120	10	30
trans-1,3-Dichloropropene	ND		20.0	18.0		ug/L		90	67 - 120	7	30
Ethylbenzene	ND		20.0	21.1		ug/L		106	80 - 120	6	30
Styrene	ND		20.0	20.2		ug/L		101	80 - 120	8	30
1,4-Dichlorobenzene	ND		20.0	21.4		ug/L		107	80 - 120	7	30
1,2-Dibromoethane	ND		20.0	19.6		ug/L		98	77 - 120	6	30
1,2-Dichloroethane	ND		20.0	18.0		ug/L		90	73 - 124	8	30
4-Methyl-2-pentanone	ND		250	221		ug/L		89	62 - 133	9	30
Methylcyclohexane	ND		20.0	21.7		ug/L		108	60 - 121	7	30
Toluene	2.4		20.0	24.1		ug/L		108	80 - 120	7	30
Chlorobenzene	ND		20.0	21.1		ug/L		105	80 - 120	7	30
Cyclohexane	ND		20.0	20.7		ug/L		103	60 - 126	7	30
1,2,4-Trichlorobenzene	ND		20.0	19.1		ug/L		96	63 - 127	1	30
Dibromochloromethane	ND		20.0	21.0		ug/L		105	71 - 120	9	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 410-287134-2 MSD

Matrix: Water

Analysis Batch: 837372

Client Sample ID: MW-85A

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Xylenes, Total	ND		60.0	64.7		ug/L		108	80 - 120	6	30
Tetrachloroethene	180	4	20.0	212	4	ug/L		151	80 - 120	2	30
cis-1,2-Dichloroethene	31		20.0	51.8		ug/L		105	80 - 125	3	30
trans-1,2-Dichloroethene	ND		20.0	22.6		ug/L		113	80 - 126	8	30
Methyl tertiary butyl ether	ND		20.0	16.4		ug/L		82	69 - 122	11	30
1,3-Dichlorobenzene	ND		20.0	21.4		ug/L		107	80 - 120	7	30
Carbon tetrachloride	1.5		20.0	22.9		ug/L		107	64 - 134	6	30
2-Hexanone	ND		250	225		ug/L		90	56 - 143	7	30
Acetone	20	^c cn	250	291		ug/L		108	57 - 150	11	30
Chloroform	0.79	J	20.0	20.5		ug/L		99	72 - 120	9	30
Benzene	0.42	J	20.0	21.9		ug/L		107	80 - 120	9	30
1,1,1-Trichloroethane	51		20.0	72.2		ug/L		106	73 - 120	3	30
Bromomethane	ND		20.0	18.6		ug/L		93	61 - 128	7	30
Chloromethane	ND		20.0	16.6		ug/L		83	48 - 134	1	30
Chloroethane	ND		20.0	18.3		ug/L		92	67 - 123	2	30
Vinyl chloride	ND		20.0	18.0		ug/L		90	56 - 120	2	30
Methylene Chloride	ND		20.0	20.3		ug/L		101	80 - 120	8	30
Carbon disulfide	ND		20.0	21.0		ug/L		105	55 - 139	7	30
Bromoform	ND		20.0	19.8		ug/L		99	63 - 128	5	30
Bromodichloromethane	ND		20.0	20.5		ug/L		102	71 - 120	5	30
1,1-Dichloroethane	1.6		20.0	21.9		ug/L		101	80 - 126	8	30
1,1-Dichloroethene	2.7	FH	20.0	39.6	FH	ug/L		185	80 - 131	3	30
Trichlorofluoromethane	ND		20.0	16.3		ug/L		82	57 - 120	0	30
Dichlorodifluoromethane	ND		20.0	17.6		ug/L		88	40 - 127	0	30
Freon 113	0.62	J FH	20.0	24.4		ug/L		119	57 - 122	5	30
1,2-Dichloropropane	ND		20.0	19.9		ug/L		99	80 - 120	11	30
2-Butanone	ND		250	193		ug/L		77	59 - 135	8	30
1,1,2-Trichloroethane	ND		20.0	19.9		ug/L		99	80 - 120	5	30
Trichloroethene	9900	E ES 4	20.0	9400	E ES 4	ug/L		-2608	80 - 120	2	30
Methyl acetate	ND		20.0	18.5		ug/L		93	55 - 157	13	30
1,1,2,2-Tetrachloroethane	ND		20.0	19.9		ug/L		99	72 - 127	5	30
1,2-Dichlorobenzene	ND		20.0	20.7		ug/L		104	80 - 120	6	30
1,2-Dibromo-3-Chloropropane	ND	^c cn	20.0	16.0		ug/L		80	60 - 120	3	30
Isopropylbenzene	ND		20.0	23.4		ug/L		117	80 - 132	6	30
MSD MSD											
Surrogate	%Recovery	Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	100		80 - 120								
Dibromofluoromethane (Surr)	96		80 - 120								
4-Bromofluorobenzene (Surr)	88		80 - 120								
Toluene-d8 (Surr)	99		80 - 120								

Lab Sample ID: MB 410-838068/7

Matrix: Water

Analysis Batch: 838068

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/19/26 07:51	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/19/26 07:51	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-838068/7

Matrix: Water

Analysis Batch: 838068

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			06/19/26 07:51	1
Styrene	ND		5.0	0.30	ug/L			06/19/26 07:51	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/19/26 07:51	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/19/26 07:51	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/19/26 07:51	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/19/26 07:51	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/19/26 07:51	1
Toluene	ND		1.0	0.30	ug/L			06/19/26 07:51	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/19/26 07:51	1
Cyclohexane	ND		5.0	1.0	ug/L			06/19/26 07:51	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/19/26 07:51	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/19/26 07:51	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/19/26 07:51	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/19/26 07:51	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/19/26 07:51	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/19/26 07:51	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/19/26 07:51	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/19/26 07:51	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/19/26 07:51	1
2-Hexanone	ND		10	0.85	ug/L			06/19/26 07:51	1
Acetone	ND		20	0.70	ug/L			06/19/26 07:51	1
Chloroform	ND		1.0	0.30	ug/L			06/19/26 07:51	1
Benzene	ND		1.0	0.30	ug/L			06/19/26 07:51	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/19/26 07:51	1
Bromomethane	ND		1.0	0.30	ug/L			06/19/26 07:51	1
Chloromethane	ND		2.0	0.55	ug/L			06/19/26 07:51	1
Chloroethane	ND		1.0	0.30	ug/L			06/19/26 07:51	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/19/26 07:51	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/19/26 07:51	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/19/26 07:51	1
Bromoform	ND		4.0	1.0	ug/L			06/19/26 07:51	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/19/26 07:51	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/19/26 07:51	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/19/26 07:51	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/19/26 07:51	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/19/26 07:51	1
Freon 113	ND		10	0.30	ug/L			06/19/26 07:51	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/19/26 07:51	1
2-Butanone	ND		10	1.0	ug/L			06/19/26 07:51	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/19/26 07:51	1
Trichloroethene	ND		1.0	0.30	ug/L			06/19/26 07:51	1
Methyl acetate	ND		5.0	0.60	ug/L			06/19/26 07:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/19/26 07:51	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/19/26 07:51	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/19/26 07:51	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/19/26 07:51	1

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-838068/7

Matrix: Water

Analysis Batch: 838068

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		06/19/26 07:51	1
Dibromofluoromethane (Surr)	112		80 - 120		06/19/26 07:51	1
4-Bromofluorobenzene (Surr)	93		80 - 120		06/19/26 07:51	1
Toluene-d8 (Surr)	94		80 - 120		06/19/26 07:51	1

Lab Sample ID: LCS 410-838068/64

Matrix: Water

Analysis Batch: 838068

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	20.0	18.3		ug/L		91	75 - 120
trans-1,3-Dichloropropene	20.0	18.3		ug/L		92	67 - 120
Ethylbenzene	20.0	19.5		ug/L		98	80 - 120
Styrene	20.0	19.4		ug/L		97	80 - 120
1,4-Dichlorobenzene	20.0	20.2		ug/L		101	80 - 120
1,2-Dibromoethane	20.0	20.7		ug/L		104	77 - 120
1,2-Dichloroethane	20.0	22.9		ug/L		115	73 - 124
4-Methyl-2-pentanone	250	221		ug/L		88	62 - 133
Methylcyclohexane	20.0	17.1		ug/L		85	60 - 121
Toluene	20.0	19.7		ug/L		99	80 - 120
Chlorobenzene	20.0	21.3		ug/L		106	80 - 120
Cyclohexane	20.0	16.3		ug/L		82	60 - 126
1,2,4-Trichlorobenzene	20.0	19.1		ug/L		96	63 - 127
Dibromochloromethane	20.0	21.8		ug/L		109	71 - 120
Xylenes, Total	60.0	58.7		ug/L		98	80 - 120
Tetrachloroethene	20.0	23.0		ug/L		115	80 - 120
cis-1,2-Dichloroethene	20.0	20.9		ug/L		105	80 - 125
trans-1,2-Dichloroethene	20.0	21.6		ug/L		108	80 - 126
Methyl tertiary butyl ether	20.0	18.6		ug/L		93	69 - 122
1,3-Dichlorobenzene	20.0	20.4		ug/L		102	80 - 120
Carbon tetrachloride	20.0	26.0		ug/L		130	64 - 134
2-Hexanone	250	210		ug/L		84	56 - 143
Acetone	250	248		ug/L		99	57 - 150
Chloroform	20.0	19.0		ug/L		95	72 - 120
Benzene	20.0	19.7		ug/L		99	80 - 120
1,1,1-Trichloroethane	20.0	24.7	*+	ug/L		123	73 - 120
Bromomethane	20.0	18.8		ug/L		94	61 - 128
Chloromethane	20.0	15.0		ug/L		75	48 - 134
Chloroethane	20.0	17.0		ug/L		85	67 - 123
Vinyl chloride	20.0	15.5		ug/L		78	56 - 120
Methylene Chloride	20.0	19.6		ug/L		98	80 - 120
Carbon disulfide	20.0	19.3		ug/L		97	55 - 139
Bromoform	20.0	22.9		ug/L		114	63 - 128
Bromodichloromethane	20.0	22.1		ug/L		110	71 - 120
1,1-Dichloroethane	20.0	19.9		ug/L		99	80 - 126
1,1-Dichloroethene	20.0	21.2		ug/L		106	80 - 131
Trichlorofluoromethane	20.0	16.6		ug/L		83	57 - 120
Dichlorodifluoromethane	20.0	15.8		ug/L		79	40 - 127

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-838068/64

Matrix: Water

Analysis Batch: 838068

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Freon 113	20.0	21.6		ug/L		108	57 - 122
1,2-Dichloropropane	20.0	18.1		ug/L		90	80 - 120
2-Butanone	250	208		ug/L		83	59 - 135
1,1,2-Trichloroethane	20.0	19.4		ug/L		97	80 - 120
Trichloroethene	20.0	21.3		ug/L		107	80 - 120
Methyl acetate	20.0	19.1		ug/L		95	55 - 157
1,1,2,2-Tetrachloroethane	20.0	17.1		ug/L		85	72 - 127
1,2-Dichlorobenzene	20.0	20.5		ug/L		102	80 - 120
1,2-Dibromo-3-Chloropropane	20.0	17.6		ug/L		88	60 - 120
Isopropylbenzene	20.0	19.7		ug/L		99	80 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	108		80 - 120
4-Bromofluorobenzene (Surr)	95		80 - 120
Toluene-d8 (Surr)	95		80 - 120

Method: 218.6 - Chromium, Hexavalent (Ion Chromatography)

Lab Sample ID: MB 410-831239/10

Matrix: Water

Analysis Batch: 831239

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND	^+	0.010	0.0050	mg/L			06/08/26 09:50	1

Lab Sample ID: LCS 410-831239/9

Matrix: Water

Analysis Batch: 831239

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	0.100	0.103	^+	mg/L		103	90 - 110

Lab Sample ID: MB 410-832735/139

Matrix: Water

Analysis Batch: 832735

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/10/26 12:23	1

Lab Sample ID: LCS 410-832735/138

Matrix: Water

Analysis Batch: 832735

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	0.100	0.103		mg/L		103	90 - 110

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Method: 218.6 - Chromium, Hexavalent (Ion Chromatography) (Continued)

Lab Sample ID: 410-287134-2 MS

Matrix: Water

Analysis Batch: 832735

Client Sample ID: MW-85A

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	0.097		0.100	0.202		mg/L		105	75 - 125

Lab Sample ID: 410-287134-2 MSD

Matrix: Water

Analysis Batch: 832735

Client Sample ID: MW-85A

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cr (VI)	0.097		0.100	0.199		mg/L		103	75 - 125	1	20

Lab Sample ID: 410-287134-2 DU

Matrix: Water

Analysis Batch: 832735

Client Sample ID: MW-85A

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cr (VI)	0.097		0.0939		mg/L		3	20

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 410-837554/49

Matrix: Water

Analysis Batch: 837554

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20	0.10	mg/L			06/19/26 11:03	1

Lab Sample ID: LCS 410-837554/47

Matrix: Water

Analysis Batch: 837554

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	1.50	1.51		mg/L		101	90 - 110

Lab Sample ID: LCSD 410-837554/48

Matrix: Water

Analysis Batch: 837554

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	1.50	1.52		mg/L		102	90 - 110	1	20

Lab Sample ID: 410-287134-2 MS

Matrix: Water

Analysis Batch: 837554

Client Sample ID: MW-85A

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	4.4		10.0	15.2		mg/L		108	90 - 110

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: 410-287134-2 DU

Matrix: Water

Analysis Batch: 837554

Client Sample ID: MW-85A

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Fluoride	4.4		4.41		mg/L		1	15

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Lab Sample ID: MB 410-836300/6-A

Matrix: Water

Analysis Batch: 836627

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 836300

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.0	1.1	ng/L		06/16/26 16:10	06/17/26 19:18	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.60	ng/L		06/16/26 16:10	06/17/26 19:18	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.50	ng/L		06/16/26 16:10	06/17/26 19:18	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.80	ng/L		06/16/26 16:10	06/17/26 19:18	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.90	ng/L		06/16/26 16:10	06/17/26 19:18	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.50	ng/L		06/16/26 16:10	06/17/26 19:18	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.50	ng/L		06/16/26 16:10	06/17/26 19:18	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.50	ng/L		06/16/26 16:10	06/17/26 19:18	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.50	ng/L		06/16/26 16:10	06/17/26 19:18	1
Perfluorotridecanoic acid (PFTriDA)	ND		2.0	0.50	ng/L		06/16/26 16:10	06/17/26 19:18	1
Perfluorotetradecanoic acid (PFTeDA)	ND		2.0	0.50	ng/L		06/16/26 16:10	06/17/26 19:18	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.50	ng/L		06/16/26 16:10	06/17/26 19:18	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.50	ng/L		06/16/26 16:10	06/17/26 19:18	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.80	ng/L		06/16/26 16:10	06/17/26 19:18	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.50	ng/L		06/16/26 16:10	06/17/26 19:18	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	1.3	ng/L		06/16/26 16:10	06/17/26 19:18	1
Perfluorononanesulfonic acid (PFNS)	ND		2.0	0.50	ng/L		06/16/26 16:10	06/17/26 19:18	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.50	ng/L		06/16/26 16:10	06/17/26 19:18	1
Perfluorododecanesulfonic acid (PFDoS)	ND		2.0	0.60	ng/L		06/16/26 16:10	06/17/26 19:18	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		4.0	1.0	ng/L		06/16/26 16:10	06/17/26 19:18	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		4.0	1.0	ng/L		06/16/26 16:10	06/17/26 19:18	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		4.0	1.0	ng/L		06/16/26 16:10	06/17/26 19:18	1
Perfluorooctanesulfonamide (PFOSA)	ND		2.0	0.50	ng/L		06/16/26 16:10	06/17/26 19:18	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		2.0	0.50	ng/L		06/16/26 16:10	06/17/26 19:18	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		2.0	1.1	ng/L		06/16/26 16:10	06/17/26 19:18	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.0	0.50	ng/L		06/16/26 16:10	06/17/26 19:18	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.0	0.50	ng/L		06/16/26 16:10	06/17/26 19:18	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		10	4.0	ng/L		06/16/26 16:10	06/17/26 19:18	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		10	4.0	ng/L		06/16/26 16:10	06/17/26 19:18	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		2.0	1.4	ng/L		06/16/26 16:10	06/17/26 19:18	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 410-836300/6-A

Matrix: Water

Analysis Batch: 836627

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 836300

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.50	ng/L		06/16/26 16:10	06/17/26 19:18	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.50	ng/L		06/16/26 16:10	06/17/26 19:18	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.50	ng/L		06/16/26 16:10	06/17/26 19:18	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.50	ng/L		06/16/26 16:10	06/17/26 19:18	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		2.0	0.50	ng/L		06/16/26 16:10	06/17/26 19:18	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.50	ng/L		06/16/26 16:10	06/17/26 19:18	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.50	ng/L		06/16/26 16:10	06/17/26 19:18	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		4.0	1.0	ng/L		06/16/26 16:10	06/17/26 19:18	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		10	2.8	ng/L		06/16/26 16:10	06/17/26 19:18	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		10	2.5	ng/L		06/16/26 16:10	06/17/26 19:18	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	80.0		5 - 130	06/16/26 16:10	06/17/26 19:18	1
13C5 PFPeA	81.7		40 - 130	06/16/26 16:10	06/17/26 19:18	1
13C5 PFHxA	82.8		40 - 130	06/16/26 16:10	06/17/26 19:18	1
13C4 PFHpA	77.3		40 - 130	06/16/26 16:10	06/17/26 19:18	1
13C8 PFOA	79.9		40 - 130	06/16/26 16:10	06/17/26 19:18	1
13C9 PFNA	76.0		40 - 130	06/16/26 16:10	06/17/26 19:18	1
13C6 PFDA	73.3		40 - 130	06/16/26 16:10	06/17/26 19:18	1
13C7 PFUnA	75.8		30 - 130	06/16/26 16:10	06/17/26 19:18	1
13C2 PFTeDA	75.7		10 - 130	06/16/26 16:10	06/17/26 19:18	1
13C3 PFBS	77.4		40 - 135	06/16/26 16:10	06/17/26 19:18	1
13C3 PFHxS	75.0		40 - 130	06/16/26 16:10	06/17/26 19:18	1
13C8 PFOS	76.7		40 - 130	06/16/26 16:10	06/17/26 19:18	1
13C8 FOSA	68.2		40 - 130	06/16/26 16:10	06/17/26 19:18	1
d3-NMeFOSAA	71.2		40 - 170	06/16/26 16:10	06/17/26 19:18	1
d5-NEtFOSAA	80.0		25 - 135	06/16/26 16:10	06/17/26 19:18	1
13C2 4:2 FTS	79.7		40 - 200	06/16/26 16:10	06/17/26 19:18	1
13C2 6:2 FTS	89.0		40 - 200	06/16/26 16:10	06/17/26 19:18	1
13C2 8:2 FTS	75.0		40 - 300	06/16/26 16:10	06/17/26 19:18	1
13C3 HFPO-DA	75.0		40 - 130	06/16/26 16:10	06/17/26 19:18	1
d7-N-MeFOSE-M	66.5		10 - 130	06/16/26 16:10	06/17/26 19:18	1
d9-N-EtFOSE-M	67.0		10 - 130	06/16/26 16:10	06/17/26 19:18	1
d5-NEtPFOSA	55.9		10 - 130	06/16/26 16:10	06/17/26 19:18	1
d3-NMePFOSA	57.2		10 - 130	06/16/26 16:10	06/17/26 19:18	1
13C2 PFDoA	69.7		10 - 130	06/16/26 16:10	06/17/26 19:18	1
13C3-3:3 FTCA	91.5		20 - 150	06/16/26 16:10	06/17/26 19:18	1
13C3-5:3 FTCA	76.4		20 - 150	06/16/26 16:10	06/17/26 19:18	1
13C3-PFDoS	61.6		20 - 150	06/16/26 16:10	06/17/26 19:18	1

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-836300/7-A

Matrix: Water

Analysis Batch: 836627

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 836300

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	80.0	73.4		ng/L		92	70 - 140
Perfluoropentanoic acid (PFPeA)	40.0	39.0		ng/L		98	65 - 135
Perfluorohexanoic acid (PFHxA)	40.0	36.6		ng/L		92	70 - 145
Perfluoroheptanoic acid (PFHpA)	40.0	39.3		ng/L		98	70 - 150
Perfluorooctanoic acid (PFOA)	40.0	36.2		ng/L		91	70 - 150
Perfluorononanoic acid (PFNA)	40.0	38.4		ng/L		96	70 - 150
Perfluorodecanoic acid (PFDA)	40.0	36.4		ng/L		91	70 - 140
Perfluoroundecanoic acid (PFUnA)	40.0	38.1		ng/L		95	70 - 145
Perfluorododecanoic acid (PFDoA)	40.0	37.2		ng/L		93	70 - 140
Perfluorotridecanoic acid (PFTrDA)	40.0	30.6		ng/L		77	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	40.0	27.0		ng/L		68	60 - 140
Perfluorobutanesulfonic acid (PFBS)	35.5	33.2		ng/L		94	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	37.6	35.8		ng/L		95	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	36.5	35.3		ng/L		97	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	38.2	38.3		ng/L		100	70 - 150
Perfluorooctanesulfonic acid (PFOS)	37.2	36.8		ng/L		99	55 - 150
Perfluorononanesulfonic acid (PFNS)	38.5	36.8		ng/L		96	65 - 145
Perfluorodecanesulfonic acid (PFDS)	38.6	35.7		ng/L		93	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	38.8	36.1		ng/L		93	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	75.0	66.1		ng/L		88	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	76.2	68.7		ng/L		90	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	76.8	88.8		ng/L		116	60 - 150
Perfluorooctanesulfonamide (PFOSA)	40.0	36.7		ng/L		92	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	40.0	39.2		ng/L		98	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	40.0	36.8		ng/L		92	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	37.7		ng/L		94	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	33.4		ng/L		83	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	200	187		ng/L		94	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	200	175		ng/L		87	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	30.1	26.7		ng/L		89	70 - 140

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-836300/7-A

Matrix: Water

Analysis Batch: 836627

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 836300

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	37.8		ng/L		100	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	40.0	38.9		ng/L		97	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	40.0	39.1		ng/L		98	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	40.0	35.9		ng/L		90	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	37.4	36.3		ng/L		97	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	37.8	33.6		ng/L		89	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	35.7	33.2		ng/L		93	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	80.0	70.8		ng/L		88	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	200	176		ng/L		88	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	200	152		ng/L		76	50 - 145

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFBA	86.4		5 - 130
13C5 PFPeA	87.8		40 - 130
13C5 PFHxA	87.8		40 - 130
13C4 PFHpA	84.7		40 - 130
13C8 PFOA	85.6		40 - 130
13C9 PFNA	83.8		40 - 130
13C6 PFDA	84.5		40 - 130
13C7 PFUnA	85.0		30 - 130
13C2 PFTeDA	89.4		10 - 130
13C3 PFBS	80.4		40 - 135
13C3 PFHxS	79.0		40 - 130
13C8 PFOS	82.6		40 - 130
13C8 FOSA	77.1		40 - 130
d3-NMeFOSAA	80.5		40 - 170
d5-NEtFOSAA	90.1		25 - 135
13C2 4:2 FTS	85.7		40 - 200
13C2 6:2 FTS	91.5		40 - 200
13C2 8:2 FTS	78.2		40 - 300
13C3 HFPO-DA	85.3		40 - 130
d7-N-MeFOSE-M	73.0		10 - 130
d9-N-EtFOSE-M	73.4		10 - 130
d5-NEtPFOSA	66.7		10 - 130
d3-NMePFOSA	66.1		10 - 130
13C2 PFDaA	79.6		10 - 130
13C3-3:3 FTCA	104		20 - 150
13C3-5:3 FTCA	81.2		20 - 150
13C3-PFDaS	70.1		20 - 150

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 410-836300/8-A

Matrix: Water

Analysis Batch: 838442

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 836300

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	8.00	8.74		ng/L		109	70 - 140
Perfluoropentanoic acid (PFPeA)	4.00	4.38		ng/L		109	65 - 135
Perfluorohexanoic acid (PFHxA)	4.00	3.55		ng/L		89	70 - 145
Perfluoroheptanoic acid (PFHpA)	4.00	3.64		ng/L		91	70 - 150
Perfluorooctanoic acid (PFOA)	4.00	4.10		ng/L		102	70 - 150
Perfluorononanoic acid (PFNA)	4.00	4.21		ng/L		105	70 - 150
Perfluorodecanoic acid (PFDA)	4.00	3.58		ng/L		90	70 - 140
Perfluoroundecanoic acid (PFUnA)	4.00	3.81		ng/L		95	70 - 145
Perfluorododecanoic acid (PFDoA)	4.00	3.61		ng/L		90	70 - 140
Perfluorotridecanoic acid (PFTrDA)	4.00	3.59		ng/L		90	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	4.00	3.29		ng/L		82	60 - 140
Perfluorobutanesulfonic acid (PFBS)	3.55	3.57		ng/L		100	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	3.76	3.86		ng/L		103	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	3.65	3.76		ng/L		103	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	3.82	3.61		ng/L		94	70 - 150
Perfluorooctanesulfonic acid (PFOS)	3.72	3.87		ng/L		104	55 - 150
Perfluorononanesulfonic acid (PFNS)	3.85	3.67		ng/L		95	65 - 145
Perfluorodecanesulfonic acid (PFDS)	3.86	3.36		ng/L		87	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	3.88	3.85		ng/L		99	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	7.50	7.52		ng/L		100	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	7.62	8.00		ng/L		105	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	7.68	7.84		ng/L		102	60 - 150
Perfluorooctanesulfonamide (PFOSA)	4.00	3.97		ng/L		99	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	4.00	4.43		ng/L		111	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	4.00	4.05		ng/L		101	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.00	4.92		ng/L		123	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.00	5.02		ng/L		125	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	20.0	20.6		ng/L		103	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	20.0	19.2		ng/L		96	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	3.01	2.80		ng/L		93	70 - 140

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 410-836300/8-A

Matrix: Water

Analysis Batch: 838442

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 836300

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.78	3.70		ng/L		98	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.00	4.43		ng/L		111	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.00	4.01		ng/L		100	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.00	4.10		ng/L		103	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	3.74	3.47		ng/L		93	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	3.78	3.11		ng/L		82	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	3.57	3.74		ng/L		105	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	8.00	9.88		ng/L		124	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	20.0	21.8		ng/L		109	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	20.0	20.0		ng/L		100	50 - 145

Isotope Dilution	LLCS %Recovery	LLCS Qualifier	Limits
13C4 PFBA	102		5 - 130
13C5 PFPeA	109		40 - 130
13C5 PFHxA	112		40 - 130
13C4 PFHpA	108		40 - 130
13C8 PFOA	107		40 - 130
13C9 PFNA	102		40 - 130
13C6 PFDA	95.4		40 - 130
13C7 PFUnA	96.3		30 - 130
13C2 PFTeDA	84.4		10 - 130
13C3 PFBS	106		40 - 135
13C3 PFHxS	98.0		40 - 130
13C8 PFOS	104		40 - 130
13C8 FOSA	94.9		40 - 130
d3-NMeFOSAA	101		40 - 170
d5-NEtFOSAA	91.5		25 - 135
13C2 4:2 FTS	132		40 - 200
13C2 6:2 FTS	132		40 - 200
13C2 8:2 FTS	181		40 - 300
13C3 HFPO-DA	113		40 - 130
d7-N-MeFOSE-M	77.6		10 - 130
d9-N-EtFOSE-M	74.9		10 - 130
d5-NEtPFOSA	67.1		10 - 130
d3-NMePFOSA	70.3		10 - 130
13C2 PFDaA	92.9		10 - 130
13C3-3:3 FTCA	144		20 - 150
13C3-5:3 FTCA	116		20 - 150
13C3-PFDaS	82.8		20 - 150

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 410-843231/1-A

Matrix: Water

Analysis Batch: 843347

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 843231

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.0	1.1	ng/L		06/29/26 07:14	06/29/26 18:43	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.60	ng/L		06/29/26 07:14	06/29/26 18:43	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.50	ng/L		06/29/26 07:14	06/29/26 18:43	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.80	ng/L		06/29/26 07:14	06/29/26 18:43	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.90	ng/L		06/29/26 07:14	06/29/26 18:43	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.50	ng/L		06/29/26 07:14	06/29/26 18:43	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.50	ng/L		06/29/26 07:14	06/29/26 18:43	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.50	ng/L		06/29/26 07:14	06/29/26 18:43	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.50	ng/L		06/29/26 07:14	06/29/26 18:43	1
Perfluorotridecanoic acid (PFTeDA)	ND		2.0	0.50	ng/L		06/29/26 07:14	06/29/26 18:43	1
Perfluorotetradecanoic acid (PFTeDA)	ND		2.0	0.50	ng/L		06/29/26 07:14	06/29/26 18:43	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.50	ng/L		06/29/26 07:14	06/29/26 18:43	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.50	ng/L		06/29/26 07:14	06/29/26 18:43	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.80	ng/L		06/29/26 07:14	06/29/26 18:43	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.50	ng/L		06/29/26 07:14	06/29/26 18:43	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	1.3	ng/L		06/29/26 07:14	06/29/26 18:43	1
Perfluorononanesulfonic acid (PFNS)	ND		2.0	0.50	ng/L		06/29/26 07:14	06/29/26 18:43	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.50	ng/L		06/29/26 07:14	06/29/26 18:43	1
Perfluorododecanesulfonic acid (PFDoS)	ND		2.0	0.60	ng/L		06/29/26 07:14	06/29/26 18:43	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		4.0	1.0	ng/L		06/29/26 07:14	06/29/26 18:43	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		4.0	1.0	ng/L		06/29/26 07:14	06/29/26 18:43	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		4.0	1.0	ng/L		06/29/26 07:14	06/29/26 18:43	1
Perfluorooctanesulfonamide (PFOSA)	ND		2.0	0.50	ng/L		06/29/26 07:14	06/29/26 18:43	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		2.0	0.50	ng/L		06/29/26 07:14	06/29/26 18:43	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		2.0	1.1	ng/L		06/29/26 07:14	06/29/26 18:43	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.0	0.50	ng/L		06/29/26 07:14	06/29/26 18:43	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.0	0.50	ng/L		06/29/26 07:14	06/29/26 18:43	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		10	4.0	ng/L		06/29/26 07:14	06/29/26 18:43	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		10	4.0	ng/L		06/29/26 07:14	06/29/26 18:43	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		2.0	1.4	ng/L		06/29/26 07:14	06/29/26 18:43	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.50	ng/L		06/29/26 07:14	06/29/26 18:43	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.50	ng/L		06/29/26 07:14	06/29/26 18:43	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.50	ng/L		06/29/26 07:14	06/29/26 18:43	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.50	ng/L		06/29/26 07:14	06/29/26 18:43	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		2.0	0.50	ng/L		06/29/26 07:14	06/29/26 18:43	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 410-843231/1-A

Matrix: Water

Analysis Batch: 843347

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 843231

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11CI-PF3OUdS)	ND		2.0	0.50	ng/L		06/29/26 07:14	06/29/26 18:43	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.50	ng/L		06/29/26 07:14	06/29/26 18:43	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		4.0	1.0	ng/L		06/29/26 07:14	06/29/26 18:43	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		10	2.8	ng/L		06/29/26 07:14	06/29/26 18:43	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		10	2.5	ng/L		06/29/26 07:14	06/29/26 18:43	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	82.4		5 - 130	06/29/26 07:14	06/29/26 18:43	1
13C5 PFPeA	85.3		40 - 130	06/29/26 07:14	06/29/26 18:43	1
13C5 PFHxA	86.3		40 - 130	06/29/26 07:14	06/29/26 18:43	1
13C4 PFHpA	80.7		40 - 130	06/29/26 07:14	06/29/26 18:43	1
13C8 PFOA	75.8		40 - 130	06/29/26 07:14	06/29/26 18:43	1
13C9 PFNA	87.7		40 - 130	06/29/26 07:14	06/29/26 18:43	1
13C6 PFDA	81.5		40 - 130	06/29/26 07:14	06/29/26 18:43	1
13C7 PFUnA	88.7		30 - 130	06/29/26 07:14	06/29/26 18:43	1
13C2 PFTeDA	58.5		10 - 130	06/29/26 07:14	06/29/26 18:43	1
13C3 PFBS	84.5		40 - 135	06/29/26 07:14	06/29/26 18:43	1
13C3 PFHxS	74.9		40 - 130	06/29/26 07:14	06/29/26 18:43	1
13C8 PFOS	81.4		40 - 130	06/29/26 07:14	06/29/26 18:43	1
13C8 FOSA	79.2		40 - 130	06/29/26 07:14	06/29/26 18:43	1
d3-NMeFOSAA	87.2		40 - 170	06/29/26 07:14	06/29/26 18:43	1
d5-NEtFOSAA	168	*5+	25 - 135	06/29/26 07:14	06/29/26 18:43	1
13C2 4:2 FTS	88.5		40 - 200	06/29/26 07:14	06/29/26 18:43	1
13C2 6:2 FTS	76.0		40 - 200	06/29/26 07:14	06/29/26 18:43	1
13C2 8:2 FTS	71.3		40 - 300	06/29/26 07:14	06/29/26 18:43	1
13C3 HFPO-DA	76.6		40 - 130	06/29/26 07:14	06/29/26 18:43	1
d7-N-MeFOSE-M	50.3		10 - 130	06/29/26 07:14	06/29/26 18:43	1
d9-N-EtFOSE-M	49.3		10 - 130	06/29/26 07:14	06/29/26 18:43	1
d5-NEtPFOSA	57.1		10 - 130	06/29/26 07:14	06/29/26 18:43	1
d3-NMePFOSA	60.8		10 - 130	06/29/26 07:14	06/29/26 18:43	1
13C2 PFDoA	72.3		10 - 130	06/29/26 07:14	06/29/26 18:43	1
13C3-3:3 FTCA	74.2		20 - 150	06/29/26 07:14	06/29/26 18:43	1
13C3-5:3 FTCA	68.2		20 - 150	06/29/26 07:14	06/29/26 18:43	1
13C3-PFDoS	48.0		20 - 150	06/29/26 07:14	06/29/26 18:43	1

Lab Sample ID: LCS 410-843231/2-A

Matrix: Water

Analysis Batch: 844111

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 843231

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	80.0	72.9		ng/L		91	70 - 140
Perfluoropentanoic acid (PFPeA)	40.0	35.4		ng/L		89	65 - 135
Perfluorohexanoic acid (PFHxA)	40.0	36.4		ng/L		91	70 - 145
Perfluoroheptanoic acid (PFHpA)	40.0	35.3		ng/L		88	70 - 150
Perfluorooctanoic acid (PFOA)	40.0	31.7		ng/L		79	70 - 150

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-843231/2-A

Matrix: Water

Analysis Batch: 844111

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 843231

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorononanoic acid (PFNA)	40.0	30.4		ng/L		76	70 - 150
Perfluorodecanoic acid (PFDA)	40.0	33.7		ng/L		84	70 - 140
Perfluoroundecanoic acid (PFUnA)	40.0	32.2		ng/L		80	70 - 145
Perfluorododecanoic acid (PFDoA)	40.0	34.0		ng/L		85	70 - 140
Perfluorotridecanoic acid (PFTrDA)	40.0	30.4		ng/L		76	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	40.0	32.3		ng/L		81	60 - 140
Perfluorobutanesulfonic acid (PFBS)	35.5	28.0		ng/L		79	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	37.6	32.9		ng/L		88	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	36.5	32.1		ng/L		88	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	38.2	34.6		ng/L		91	70 - 150
Perfluorooctanesulfonic acid (PFOS)	37.2	35.2		ng/L		95	55 - 150
Perfluorononanesulfonic acid (PFNS)	38.5	33.4		ng/L		87	65 - 145
Perfluorodecanesulfonic acid (PFDS)	38.6	27.7		ng/L		72	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	38.8	31.5		ng/L		81	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	75.0	65.6		ng/L		87	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	76.2	64.2		ng/L		84	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	76.8	67.9		ng/L		88	60 - 150
Perfluorooctanesulfonamide (PFOSA)	40.0	35.2		ng/L		88	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	40.0	36.0		ng/L		90	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	40.0	38.2		ng/L		96	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	31.8		ng/L		79	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	32.3		ng/L		81	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	200	183		ng/L		91	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	200	178		ng/L		89	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	30.0	26.6		ng/L		89	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	36.1		ng/L		95	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	40.0	35.3		ng/L		88	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	40.0	34.7		ng/L		87	60 - 150

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-843231/2-A

Matrix: Water

Analysis Batch: 844111

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 843231

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	40.0	34.5		ng/L		86	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	37.4	33.2		ng/L		89	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	37.8	28.8		ng/L		76	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	35.7	30.9		ng/L		87	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	80.0	61.0		ng/L		76	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	200	160		ng/L		80	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	200	137		ng/L		69	50 - 145
Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits				
13C4 PFBA	79.3		5 - 130				
13C5 PFPeA	78.0		40 - 130				
13C5 PFHxA	76.2		40 - 130				
13C4 PFHpA	77.7		40 - 130				
13C8 PFOA	83.6		40 - 130				
13C9 PFNA	80.4		40 - 130				
13C6 PFDA	75.6		40 - 130				
13C7 PFUnA	77.2		30 - 130				
13C2 PFTeDA	53.6		10 - 130				
13C3 PFBS	86.0		40 - 135				
13C3 PFHxS	79.6		40 - 130				
13C8 PFOS	69.7		40 - 130				
13C8 FOSA	70.4		40 - 130				
d3-NMeFOSAA	75.3		40 - 170				
d5-NEtFOSAA	70.3		25 - 135				
13C2 4:2 FTS	84.5		40 - 200				
13C2 6:2 FTS	85.8		40 - 200				
13C2 8:2 FTS	73.2		40 - 300				
13C3 HFPO-DA	77.6		40 - 130				
d7-N-MeFOSE-M	50.1		10 - 130				
d9-N-EtFOSE-M	47.4		10 - 130				
d5-NEtPFOSA	52.8		10 - 130				
d3-NMePFOSA	58.5		10 - 130				
13C2 PFDoA	64.7		10 - 130				
13C3-3:3 FTCA	79.3		20 - 150				
13C3-5:3 FTCA	64.5		20 - 150				
13C3-PFDoS	48.5		20 - 150				

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 410-843231/3-A

Matrix: Water

Analysis Batch: 844111

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 843231

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	8.00	7.47		ng/L		93	70 - 140
Perfluoropentanoic acid (PFPeA)	4.00	3.61		ng/L		90	65 - 135
Perfluorohexanoic acid (PFHxA)	4.00	3.57		ng/L		89	70 - 145
Perfluoroheptanoic acid (PFHpA)	4.00	3.59		ng/L		90	70 - 150
Perfluorooctanoic acid (PFOA)	4.00	4.23		ng/L		106	70 - 150
Perfluorononanoic acid (PFNA)	4.00	3.83		ng/L		96	70 - 150
Perfluorodecanoic acid (PFDA)	4.00	3.65		ng/L		91	70 - 140
Perfluoroundecanoic acid (PFUnA)	4.00	4.12		ng/L		103	70 - 145
Perfluorododecanoic acid (PFDoA)	4.00	3.87		ng/L		97	70 - 140
Perfluorotridecanoic acid (PFTrDA)	4.00	4.06		ng/L		101	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	4.00	3.95		ng/L		99	60 - 140
Perfluorobutanesulfonic acid (PFBS)	3.55	3.39		ng/L		95	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	3.76	3.43		ng/L		91	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	3.65	3.44		ng/L		94	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	3.82	3.69		ng/L		97	70 - 150
Perfluorooctanesulfonic acid (PFOS)	3.72	3.67		ng/L		99	55 - 150
Perfluorononanesulfonic acid (PFNS)	3.85	3.61		ng/L		94	65 - 145
Perfluorodecanesulfonic acid (PFDS)	3.86	3.31		ng/L		86	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	3.88	3.41		ng/L		88	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	7.50	7.33		ng/L		98	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	7.62	6.98		ng/L		92	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	7.68	6.68		ng/L		87	60 - 150
Perfluorooctanesulfonamide (PFOSA)	4.00	3.75		ng/L		94	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	4.00	4.14		ng/L		103	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	4.00	4.45		ng/L		111	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.00	3.51		ng/L		88	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.00	3.55		ng/L		89	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	20.0	19.8		ng/L		99	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	20.0	19.7		ng/L		99	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	3.01	2.64		ng/L		88	70 - 140

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 410-843231/3-A

Matrix: Water

Analysis Batch: 844111

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 843231

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.78	3.72		ng/L		98	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.00	3.34		ng/L		83	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.00	3.32		ng/L		83	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.00	3.77		ng/L		94	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	3.74	3.58		ng/L		96	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	3.78	3.42		ng/L		90	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	3.57	2.84		ng/L		80	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	8.00	7.15		ng/L		89	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	20.0	18.3		ng/L		92	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	20.0	14.7		ng/L		74	50 - 145

Isotope Dilution	LLCS %Recovery	LLCS Qualifier	Limits
13C4 PFBA	88.9		5 - 130
13C5 PFPeA	89.0		40 - 130
13C5 PFHxA	87.5		40 - 130
13C4 PFHpA	85.9		40 - 130
13C8 PFOA	84.3		40 - 130
13C9 PFNA	85.4		40 - 130
13C6 PFDA	83.0		40 - 130
13C7 PFUnA	79.0		30 - 130
13C2 PFTeDA	60.3		10 - 130
13C3 PFBS	90.3		40 - 135
13C3 PFHxS	91.4		40 - 130
13C8 PFOS	84.8		40 - 130
13C8 FOSA	84.5		40 - 130
d3-NMeFOSAA	89.6		40 - 170
d5-NEtFOSAA	91.6		25 - 135
13C2 4:2 FTS	94.5		40 - 200
13C2 6:2 FTS	94.5		40 - 200
13C2 8:2 FTS	86.2		40 - 300
13C3 HFPO-DA	82.2		40 - 130
d7-N-MeFOSE-M	72.2		10 - 130
d9-N-EtFOSE-M	66.7		10 - 130
d5-NEtPFOSA	67.5		10 - 130
d3-NMePFOSA	71.6		10 - 130
13C2 PFDaA	72.7		10 - 130
13C3-3:3 FTCA	84.2		20 - 150
13C3-5:3 FTCA	68.1		20 - 150
13C3-PFDaS	61.7		20 - 150

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: 410-287134-2 MS

Matrix: Water

Analysis Batch: 843347

Client Sample ID: MW-85A

Prep Type: Total/NA

Prep Batch: 843231

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	49		66.0	111		ng/L		94	70 - 140
Perfluoropentanoic acid (PFPeA)	170	4	33.0	202	4	ng/L		91	65 - 135
Perfluorohexanoic acid (PFHxA)	130		33.0	166		ng/L		113	70 - 145
Perfluoroheptanoic acid (PFHpA)	70		33.0	106		ng/L		110	70 - 150
Perfluorooctanoic acid (PFOA)	90	FL	33.0	114		ng/L		74	70 - 150
Perfluorononanoic acid (PFNA)	18		33.0	45.2		ng/L		81	70 - 150
Perfluorodecanoic acid (PFDA)	ND		33.0	26.4		ng/L		80	70 - 140
Perfluoroundecanoic acid (PFUnA)	ND		33.0	26.2		ng/L		79	70 - 145
Perfluorododecanoic acid (PFDoA)	ND		33.0	26.8		ng/L		81	70 - 140
Perfluorotridecanoic acid (PFTrDA)	ND		33.0	24.8		ng/L		75	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	ND		33.0	29.1		ng/L		88	60 - 140
Perfluorobutanesulfonic acid (PFBS)	1.2	J	29.3	25.8		ng/L		84	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	ND		31.0	28.2		ng/L		91	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	1.1	J	30.1	27.5		ng/L		88	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	ND		31.5	27.0		ng/L		86	70 - 150
Perfluorooctanesulfonic acid (PFOS)	2.3		30.7	29.9		ng/L		90	55 - 150
Perfluorononanesulfonic acid (PFNS)	ND		31.8	28.6		ng/L		90	65 - 145
Perfluorodecanesulfonic acid (PFDS)	ND		31.8	25.5		ng/L		80	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	ND		32.0	28.4		ng/L		89	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	1.7	J	61.9	62.0		ng/L		97	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	340	4	62.9	404	4	ng/L		95	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	27		63.4	69.3		ng/L		67	60 - 150
Perfluorooctanesulfonamide (PFOSA)	ND		33.0	31.3		ng/L		95	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		33.0	29.4		ng/L		89	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		33.0	34.9		ng/L		106	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		33.0	27.5		ng/L		83	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		33.0	25.5		ng/L		77	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		165	147		ng/L		89	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		165	154		ng/L		93	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		24.8	25.6		ng/L		103	70 - 140

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: 410-287134-2 MS

Matrix: Water

Analysis Batch: 843347

Client Sample ID: MW-85A

Prep Type: Total/NA

Prep Batch: 843231

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		31.2	34.3		ng/L		110	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		33.0	33.7		ng/L		102	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		33.0	28.4		ng/L		86	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		33.0	25.5		ng/L		77	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		30.8	25.5		ng/L		83	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		31.2	25.1		ng/L		81	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	ND		29.4	26.4		ng/L		90	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		66.0	60.0		ng/L		91	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	7.1	J	165	127		ng/L		73	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		165	136		ng/L		82	50 - 145

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	79.1		5 - 130
13C5 PFPeA	72.9		40 - 130
13C5 PFHxA	75.1		40 - 130
13C4 PFHpA	75.1		40 - 130
13C8 PFOA	79.8		40 - 130
13C9 PFNA	83.9		40 - 130
13C6 PFDA	84.2		40 - 130
13C7 PFUnA	89.1		30 - 130
13C2 PFTeDA	64.1		10 - 130
13C3 PFBS	82.3		40 - 135
13C3 PFHxS	79.5		40 - 130
13C8 PFOS	81.0		40 - 130
13C8 FOSA	76.6		40 - 130
d3-NMeFOSAA	96.9		40 - 170
d5-NEtFOSAA	147	*5+	25 - 135
13C2 4:2 FTS	220	*5+	40 - 200
13C2 6:2 FTS	112		40 - 200
13C2 8:2 FTS	104		40 - 300
13C3 HFPO-DA	65.4		40 - 130
d7-N-MeFOSE-M	66.9		10 - 130
d9-N-EtFOSE-M	65.3		10 - 130
d5-NEtPFOSA	50.5		10 - 130
d3-NMePFOSA	62.8		10 - 130
13C2 PFDaA	77.3		10 - 130
13C3-3:3 FTCA	78.8		20 - 150
13C3-5:3 FTCA	105		20 - 150
13C3-PFDaS	61.8		20 - 150

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: 410-287134-2 MSD

Matrix: Water

Analysis Batch: 843347

Client Sample ID: MW-85A

Prep Type: Total/NA

Prep Batch: 843231

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	49		69.3	111		ng/L		89	70 - 140	0	30
Perfluoropentanoic acid (PFPeA)	170	4	34.7	194	4	ng/L		64	65 - 135	4	30
Perfluorohexanoic acid (PFHxA)	130		34.7	171		ng/L		122	70 - 145	3	30
Perfluoroheptanoic acid (PFHpA)	70		34.7	105		ng/L		102	70 - 150	1	30
Perfluorooctanoic acid (PFOA)	90	FL	34.7	110	FL	ng/L		58	70 - 150	4	30
Perfluorononanoic acid (PFNA)	18		34.7	46.1		ng/L		80	70 - 150	2	30
Perfluorodecanoic acid (PFDA)	ND		34.7	24.7		ng/L		71	70 - 140	7	30
Perfluoroundecanoic acid (PFUnA)	ND		34.7	26.8		ng/L		77	70 - 145	2	30
Perfluorododecanoic acid (PFDoA)	ND		34.7	28.8		ng/L		83	70 - 140	7	30
Perfluorotridecanoic acid (PFTrDA)	ND		34.7	28.1		ng/L		81	65 - 140	12	30
Perfluorotetradecanoic acid (PFTeDA)	ND		34.7	28.6		ng/L		82	60 - 140	2	30
Perfluorobutanesulfonic acid (PFBS)	1.2	J	30.8	27.1		ng/L		84	60 - 145	5	30
Perfluoropentanesulfonic acid (PFPeS)	ND		32.6	26.2		ng/L		80	65 - 140	7	30
Perfluorohexanesulfonic acid (PFHxS)	1.1	J	31.6	26.9		ng/L		82	65 - 145	2	30
Perfluoroheptanesulfonic acid (PFHpS)	ND		33.1	30.0		ng/L		91	70 - 150	11	30
Perfluorooctanesulfonic acid (PFOS)	2.3		32.2	31.2		ng/L		90	55 - 150	4	30
Perfluorononanesulfonic acid (PFNS)	ND		33.3	29.5		ng/L		89	65 - 145	3	30
Perfluorodecanesulfonic acid (PFDS)	ND		33.4	26.1		ng/L		78	60 - 145	3	30
Perfluorododecanesulfonic acid (PFDoS)	ND		33.6	29.4		ng/L		88	50 - 145	4	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	1.7	J	65.0	58.0		ng/L		86	70 - 145	7	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	340	4	66.0	378	4	ng/L		50	65 - 155	7	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	27		66.5	77.2		ng/L		76	60 - 150	11	30
Perfluorooctanesulfonamide (PFOSA)	ND		34.7	32.5		ng/L		94	70 - 145	4	30
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		34.7	31.1		ng/L		90	60 - 150	5	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		34.7	35.3		ng/L		102	65 - 145	1	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		34.7	31.0		ng/L		90	50 - 140	12	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		34.7	27.4		ng/L		79	70 - 145	7	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		173	156		ng/L		90	70 - 145	6	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		173	157		ng/L		91	70 - 135	2	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		26.0	25.5		ng/L		98	70 - 140	0	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: 410-287134-2 MSD

Matrix: Water

Analysis Batch: 843347

Client Sample ID: MW-85A

Prep Type: Total/NA

Prep Batch: 843231

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		32.8	33.5		ng/L		102	65 - 145	3	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		34.7	32.8		ng/L		95	55 - 140	3	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		34.7	28.3		ng/L		82	60 - 150	0	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		34.7	28.7		ng/L		83	50 - 150	12	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		32.4	27.4		ng/L		85	70 - 155	7	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		32.7	27.0		ng/L		83	55 - 160	7	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESEA)	ND		30.9	28.7		ng/L		93	70 - 140	8	30
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		69.3	64.7		ng/L		93	65 - 130	8	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)	7.1	J	173	138		ng/L		76	70 - 135	8	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		173	142		ng/L		82	50 - 145	5	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFBA	77.6		5 - 130
13C5 PFPeA	73.7		40 - 130
13C5 PFHxA	69.7		40 - 130
13C4 PFHpA	68.8		40 - 130
13C8 PFOA	77.4		40 - 130
13C9 PFNA	82.0		40 - 130
13C6 PFDA	75.9		40 - 130
13C7 PFUnA	82.3		30 - 130
13C2 PFTeDA	63.9		10 - 130
13C3 PFBS	82.8		40 - 135
13C3 PFHxS	83.5		40 - 130
13C8 PFOS	77.2		40 - 130
13C8 FOSA	71.1		40 - 130
d3-NMeFOSAA	86.4		40 - 170
d5-NEtFOSAA	149	*5+	25 - 135
13C2 4:2 FTS	222	*5+	40 - 200
13C2 6:2 FTS	115		40 - 200
13C2 8:2 FTS	89.6		40 - 300
13C3 HFPO-DA	61.9		40 - 130
d7-N-MeFOSE-M	62.9		10 - 130
d9-N-EtFOSE-M	65.4		10 - 130
d5-NEtPFOSA	52.7		10 - 130
d3-NMePFOSA	61.8		10 - 130
13C2 PFDaA	67.4		10 - 130
13C3-3:3 FTCA	74.0		20 - 150
13C3-5:3 FTCA	92.8		20 - 150
13C3-PFDoS	66.2		20 - 150

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 410-835747/1-A

Matrix: Water

Analysis Batch: 836209

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 835747

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0021	0.00057	mg/L		06/16/26 01:45	06/16/26 11:31	1
Manganese	ND		0.0021	0.0013	mg/L		06/16/26 01:45	06/16/26 11:31	1
Nickel	ND		0.0010	0.00041	mg/L		06/16/26 01:45	06/16/26 11:31	1

Lab Sample ID: LCS 410-835747/2-A

Matrix: Water

Analysis Batch: 836209

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 835747

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	0.500	0.525		mg/L		105	84 - 113
Manganese	0.500	0.530		mg/L		106	84 - 113
Nickel	0.500	0.521		mg/L		104	85 - 113

Lab Sample ID: 410-287134-2 MS

Matrix: Water

Analysis Batch: 836209

Client Sample ID: MW-85A

Prep Type: Dissolved

Prep Batch: 835747

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	0.093	cn	0.500	0.589	cn	mg/L		99	75 - 125
Manganese	ND	cn	0.500	0.505	cn	mg/L		101	75 - 125
Nickel	0.00047	J cn	0.500	0.494	cn	mg/L		99	75 - 125

Lab Sample ID: 410-287134-2 MSD

Matrix: Water

Analysis Batch: 836209

Client Sample ID: MW-85A

Prep Type: Dissolved

Prep Batch: 835747

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium	0.093	cn	0.500	0.587	cn	mg/L		99	75 - 125	0	20
Manganese	ND	cn	0.500	0.498	cn	mg/L		100	75 - 125	1	20
Nickel	0.00047	J cn	0.500	0.492	cn	mg/L		98	75 - 125	0	20

Lab Sample ID: 410-287134-2 DU

Matrix: Water

Analysis Batch: 836209

Client Sample ID: MW-85A

Prep Type: Dissolved

Prep Batch: 835747

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chromium	0.093	cn	0.0929	cn	mg/L		0.2	20
Manganese	ND	cn	ND	cn	mg/L		NC	20
Nickel	0.00047	J cn	0.000482	J cn	mg/L		2	20

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

GC/MS VOA

Analysis Batch: 833376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-287134-11	TB060526	Total/NA	Water	8260D	
MB 410-833376/7	Method Blank	Total/NA	Water	8260D	
LCS 410-833376/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-833376/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 837372

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-287134-1	MW-85B	Total/NA	Water	8260D	
410-287134-2	MW-85A	Total/NA	Water	8260D	
410-287134-3	MW-13	Total/NA	Water	8260D	
410-287134-4	MW-30CR	Total/NA	Water	8260D	
410-287134-5	PZ-1	Total/NA	Water	8260D	
410-287134-6	PZ-6	Total/NA	Water	8260D	
410-287134-7	PZ-7	Total/NA	Water	8260D	
410-287134-8	PZ-9	Total/NA	Water	8260D	
410-287134-9	Duplicate 6	Total/NA	Water	8260D	
410-287134-10	Field Blank 6	Total/NA	Water	8260D	
MB 410-837372/7	Method Blank	Total/NA	Water	8260D	
LCS 410-837372/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-837372/5	Lab Control Sample Dup	Total/NA	Water	8260D	
410-287134-2 MS	MW-85A	Total/NA	Water	8260D	
410-287134-2 MSD	MW-85A	Total/NA	Water	8260D	

Analysis Batch: 838068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-287134-1 - DL	MW-85B	Total/NA	Water	8260D	
410-287134-2 - DL	MW-85A	Total/NA	Water	8260D	
410-287134-4	MW-30CR	Total/NA	Water	8260D	
410-287134-9 - DL	Duplicate 6	Total/NA	Water	8260D	
MB 410-838068/7	Method Blank	Total/NA	Water	8260D	
LCS 410-838068/64	Lab Control Sample	Total/NA	Water	8260D	

HPLC/IC

Analysis Batch: 831239

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-287134-3	MW-13	Dissolved	Water	218.6	
410-287134-10	Field Blank 6	Dissolved	Water	218.6	
MB 410-831239/10	Method Blank	Total/NA	Water	218.6	
LCS 410-831239/9	Lab Control Sample	Total/NA	Water	218.6	

Analysis Batch: 832735

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-287134-1	MW-85B	Dissolved	Water	218.6	
410-287134-2	MW-85A	Dissolved	Water	218.6	
410-287134-9	Duplicate 6	Dissolved	Water	218.6	
MB 410-832735/139	Method Blank	Total/NA	Water	218.6	
LCS 410-832735/138	Lab Control Sample	Total/NA	Water	218.6	
410-287134-2 MS	MW-85A	Dissolved	Water	218.6	
410-287134-2 MSD	MW-85A	Dissolved	Water	218.6	
410-287134-2 DU	MW-85A	Dissolved	Water	218.6	

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

HPLC/IC

Filtration Batch: 837078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-287134-1	MW-85B	Dissolved	Water	FILTRATION	
410-287134-2	MW-85A	Dissolved	Water	FILTRATION	
410-287134-9	Duplicate 6	Dissolved	Water	FILTRATION	
410-287134-10	Field Blank 6	Dissolved	Water	FILTRATION	
410-287134-2 MS	MW-85A	Dissolved	Water	FILTRATION	
410-287134-2 DU	MW-85A	Dissolved	Water	FILTRATION	

Analysis Batch: 837554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-287134-1	MW-85B	Dissolved	Water	9056A	837078
410-287134-2	MW-85A	Dissolved	Water	9056A	837078
410-287134-9	Duplicate 6	Dissolved	Water	9056A	837078
410-287134-10	Field Blank 6	Dissolved	Water	9056A	837078
MB 410-837554/49	Method Blank	Total/NA	Water	9056A	
LCS 410-837554/47	Lab Control Sample	Total/NA	Water	9056A	
LCSD 410-837554/48	Lab Control Sample Dup	Total/NA	Water	9056A	
410-287134-2 MS	MW-85A	Dissolved	Water	9056A	837078
410-287134-2 DU	MW-85A	Dissolved	Water	9056A	837078

LCMS

Prep Batch: 836300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-287134-1	MW-85B	Total/NA	Water	1633A	
410-287134-3	MW-13	Total/NA	Water	1633A	
410-287134-4	MW-30CR	Total/NA	Water	1633A	
410-287134-5	PZ-1	Total/NA	Water	1633A	
410-287134-6	PZ-6	Total/NA	Water	1633A	
410-287134-7	PZ-7	Total/NA	Water	1633A	
410-287134-8	PZ-9	Total/NA	Water	1633A	
410-287134-9	Duplicate 6	Total/NA	Water	1633A	
410-287134-10	Field Blank 6	Total/NA	Water	1633A	
MB 410-836300/6-A	Method Blank	Total/NA	Water	1633A	
LCS 410-836300/7-A	Lab Control Sample	Total/NA	Water	1633A	
LLCS 410-836300/8-A	Lab Control Sample	Total/NA	Water	1633A	

Analysis Batch: 836627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-287134-1	MW-85B	Total/NA	Water	1633A	836300
410-287134-3	MW-13	Total/NA	Water	1633A	836300
410-287134-4	MW-30CR	Total/NA	Water	1633A	836300
410-287134-5	PZ-1	Total/NA	Water	1633A	836300
410-287134-6	PZ-6	Total/NA	Water	1633A	836300
410-287134-7	PZ-7	Total/NA	Water	1633A	836300
410-287134-8	PZ-9	Total/NA	Water	1633A	836300
410-287134-9	Duplicate 6	Total/NA	Water	1633A	836300
410-287134-10	Field Blank 6	Total/NA	Water	1633A	836300
MB 410-836300/6-A	Method Blank	Total/NA	Water	1633A	836300
LCS 410-836300/7-A	Lab Control Sample	Total/NA	Water	1633A	836300

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

LCMS

Analysis Batch: 838442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LLCS 410-836300/8-A	Lab Control Sample	Total/NA	Water	1633A	836300

Prep Batch: 843231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-287134-2	MW-85A	Total/NA	Water	1633A	
MB 410-843231/1-A	Method Blank	Total/NA	Water	1633A	
LCS 410-843231/2-A	Lab Control Sample	Total/NA	Water	1633A	
LLCS 410-843231/3-A	Lab Control Sample	Total/NA	Water	1633A	
410-287134-2 MS	MW-85A	Total/NA	Water	1633A	
410-287134-2 MSD	MW-85A	Total/NA	Water	1633A	

Analysis Batch: 843347

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-287134-2	MW-85A	Total/NA	Water	1633A	843231
MB 410-843231/1-A	Method Blank	Total/NA	Water	1633A	843231
410-287134-2 MS	MW-85A	Total/NA	Water	1633A	843231
410-287134-2 MSD	MW-85A	Total/NA	Water	1633A	843231

Analysis Batch: 844111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 410-843231/2-A	Lab Control Sample	Total/NA	Water	1633A	843231
LLCS 410-843231/3-A	Lab Control Sample	Total/NA	Water	1633A	843231

Metals

Filtration Batch: 831251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-287134-1	MW-85B	Dissolved	Water	Filtration	
410-287134-2	MW-85A	Dissolved	Water	Filtration	
410-287134-3	MW-13	Dissolved	Water	Filtration	
410-287134-9	Duplicate 6	Dissolved	Water	Filtration	
410-287134-10	Field Blank 6	Dissolved	Water	Filtration	
410-287134-2 MS	MW-85A	Dissolved	Water	Filtration	
410-287134-2 MSD	MW-85A	Dissolved	Water	Filtration	
410-287134-2 DU	MW-85A	Dissolved	Water	Filtration	

Prep Batch: 835747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-287134-1	MW-85B	Dissolved	Water	Non-Digest Prep	831251
410-287134-2	MW-85A	Dissolved	Water	Non-Digest Prep	831251
410-287134-3	MW-13	Dissolved	Water	Non-Digest Prep	831251
410-287134-9	Duplicate 6	Dissolved	Water	Non-Digest Prep	831251
410-287134-10	Field Blank 6	Dissolved	Water	Non-Digest Prep	831251
MB 410-835747/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-835747/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	
410-287134-2 MS	MW-85A	Dissolved	Water	Non-Digest Prep	831251
410-287134-2 MSD	MW-85A	Dissolved	Water	Non-Digest Prep	831251
410-287134-2 DU	MW-85A	Dissolved	Water	Non-Digest Prep	831251

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Metals

Analysis Batch: 836209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-287134-1	MW-85B	Dissolved	Water	6020B	835747
410-287134-2	MW-85A	Dissolved	Water	6020B	835747
410-287134-3	MW-13	Dissolved	Water	6020B	835747
410-287134-9	Duplicate 6	Dissolved	Water	6020B	835747
410-287134-10	Field Blank 6	Dissolved	Water	6020B	835747
MB 410-835747/1-A	Method Blank	Total/NA	Water	6020B	835747
LCS 410-835747/2-A	Lab Control Sample	Total/NA	Water	6020B	835747
410-287134-2 MS	MW-85A	Dissolved	Water	6020B	835747
410-287134-2 MSD	MW-85A	Dissolved	Water	6020B	835747
410-287134-2 DU	MW-85A	Dissolved	Water	6020B	835747

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Client Sample ID: MW-85B

Lab Sample ID: 410-287134-1

Date Collected: 06/05/26 08:50

Matrix: Water

Date Received: 06/05/26 19:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D	DL	50	838068	UCB5	ELLE	06/19/26 10:48
Total/NA	Analysis	8260D		1	837372	S1P	ELLE	06/18/26 12:26
Dissolved	Analysis	218.6		1	832735	RAC6	ELLE	06/10/26 13:01
Dissolved	Filtration	FILTRATION			837078	L4QM	ELLE	06/17/26 15:36
Dissolved	Analysis	9056A		10	837554	L4QM	ELLE	06/18/26 19:01
Total/NA	Prep	1633A			836300	V3FW	ELLE	06/16/26 16:10
Total/NA	Analysis	1633A		1	836627	M4QQ	ELLE	06/17/26 22:55
Dissolved	Filtration	Filtration			831251	UDL9	ELLE	06/08/26 10:05
Dissolved	Prep	Non-Digest Prep			835747	UAMX	ELLE	06/16/26 01:45
Dissolved	Analysis	6020B		1	836209	SAM2	ELLE	06/16/26 11:59

Client Sample ID: MW-85A

Lab Sample ID: 410-287134-2

Date Collected: 06/05/26 10:20

Matrix: Water

Date Received: 06/05/26 19:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D	DL	100	838068	UCB5	ELLE	06/19/26 11:09
Total/NA	Analysis	8260D		1	837372	S1P	ELLE	06/18/26 15:26
Dissolved	Analysis	218.6		1	832735	RAC6	ELLE	06/10/26 12:30
Dissolved	Filtration	FILTRATION			837078	L4QM	ELLE	06/17/26 15:36
Dissolved	Analysis	9056A		10	837554	L4QM	ELLE	06/18/26 20:35
Total/NA	Prep	1633A			843231	KZ5A	ELLE	06/29/26 07:14
Total/NA	Analysis	1633A		1	843347	XBL5	ELLE	06/29/26 20:32
Dissolved	Filtration	Filtration			831251	UDL9	ELLE	06/08/26 10:05
Dissolved	Prep	Non-Digest Prep			835747	UAMX	ELLE	06/16/26 01:45
Dissolved	Analysis	6020B		1	836209	SAM2	ELLE	06/16/26 12:03

Client Sample ID: MW-13

Lab Sample ID: 410-287134-3

Date Collected: 06/05/26 11:45

Matrix: Water

Date Received: 06/05/26 19:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	837372	S1P	ELLE	06/18/26 12:48
Dissolved	Analysis	218.6		1	831239	RAC6	ELLE	06/08/26 13:17
Total/NA	Prep	1633A			836300	V3FW	ELLE	06/16/26 16:10
Total/NA	Analysis	1633A		1	836627	M4QQ	ELLE	06/17/26 22:01
Dissolved	Filtration	Filtration			831251	UDL9	ELLE	06/08/26 10:05
Dissolved	Prep	Non-Digest Prep			835747	UAMX	ELLE	06/16/26 01:45
Dissolved	Analysis	6020B		1	836209	SAM2	ELLE	06/16/26 12:01

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Client Sample ID: MW-30CR

Lab Sample ID: 410-287134-4

Date Collected: 06/05/26 12:10

Matrix: Water

Date Received: 06/05/26 19:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	838068	UCB5	ELLE	06/19/26 10:28
Total/NA	Analysis	8260D		1	837372	S1P	ELLE	06/18/26 13:10
Total/NA	Prep	1633A			836300	V3FW	ELLE	06/16/26 16:10
Total/NA	Analysis	1633A		1	836627	M4QQ	ELLE	06/17/26 22:14

Client Sample ID: PZ-1

Lab Sample ID: 410-287134-5

Date Collected: 06/05/26 14:30

Matrix: Water

Date Received: 06/05/26 19:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	837372	S1P	ELLE	06/18/26 13:33
Total/NA	Prep	1633A			836300	V3FW	ELLE	06/16/26 16:10
Total/NA	Analysis	1633A		1	836627	M4QQ	ELLE	06/17/26 23:09

Client Sample ID: PZ-6

Lab Sample ID: 410-287134-6

Date Collected: 06/05/26 15:00

Matrix: Water

Date Received: 06/05/26 19:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	837372	S1P	ELLE	06/18/26 13:55
Total/NA	Prep	1633A			836300	V3FW	ELLE	06/16/26 16:10
Total/NA	Analysis	1633A		1	836627	M4QQ	ELLE	06/17/26 23:22

Client Sample ID: PZ-7

Lab Sample ID: 410-287134-7

Date Collected: 06/05/26 15:15

Matrix: Water

Date Received: 06/05/26 19:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	837372	S1P	ELLE	06/18/26 14:18
Total/NA	Prep	1633A			836300	V3FW	ELLE	06/16/26 16:10
Total/NA	Analysis	1633A		1	836627	M4QQ	ELLE	06/17/26 23:36

Client Sample ID: PZ-9

Lab Sample ID: 410-287134-8

Date Collected: 06/05/26 16:20

Matrix: Water

Date Received: 06/05/26 19:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	837372	S1P	ELLE	06/18/26 14:41
Total/NA	Prep	1633A			836300	V3FW	ELLE	06/16/26 16:10
Total/NA	Analysis	1633A		1	836627	M4QQ	ELLE	06/17/26 23:49

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Client Sample ID: Duplicate 6

Lab Sample ID: 410-287134-9

Date Collected: 06/05/26 10:55

Matrix: Water

Date Received: 06/05/26 19:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D	DL	100	838068	UCB5	ELLE	06/19/26 11:29
Total/NA	Analysis	8260D		1	837372	S1P	ELLE	06/18/26 15:03
Dissolved	Analysis	218.6		1	832735	RAC6	ELLE	06/10/26 13:08
Dissolved	Filtration	FILTRATION			837078	L4QM	ELLE	06/17/26 15:36
Dissolved	Analysis	9056A		10	837554	L4QM	ELLE	06/18/26 18:34
Total/NA	Prep	1633A			836300	V3FW	ELLE	06/16/26 16:10
Total/NA	Analysis	1633A		1	836627	M4QQ	ELLE	06/18/26 00:03
Dissolved	Filtration	Filtration			831251	UDL9	ELLE	06/08/26 10:05
Dissolved	Prep	Non-Digest Prep			835747	UAMX	ELLE	06/16/26 01:45
Dissolved	Analysis	6020B		1	836209	SAM2	ELLE	06/16/26 11:44

Client Sample ID: Field Blank 6

Lab Sample ID: 410-287134-10

Date Collected: 06/05/26 16:45

Matrix: Water

Date Received: 06/05/26 19:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	837372	S1P	ELLE	06/18/26 10:10
Dissolved	Analysis	218.6		1	831239	RAC6	ELLE	06/08/26 13:32
Dissolved	Filtration	FILTRATION			837078	L4QM	ELLE	06/17/26 15:36
Dissolved	Analysis	9056A		1	837554	L4QM	ELLE	06/18/26 19:14
Total/NA	Prep	1633A			836300	V3FW	ELLE	06/16/26 16:10
Total/NA	Analysis	1633A		1	836627	M4QQ	ELLE	06/18/26 00:16
Dissolved	Filtration	Filtration			831251	UDL9	ELLE	06/08/26 10:05
Dissolved	Prep	Non-Digest Prep			835747	UAMX	ELLE	06/16/26 01:45
Dissolved	Analysis	6020B		1	836209	SAM2	ELLE	06/16/26 11:46

Client Sample ID: TB060526

Lab Sample ID: 410-287134-11

Date Collected: 05/07/26 00:00

Matrix: Water

Date Received: 06/05/26 19:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	833376	TQ4J	ELLE	06/11/26 17:37

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Pennsylvania	NELAP	36-00037	01-31-27

Method Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	ELLE
218.6	Chromium, Hexavalent (Ion Chromatography)	EPA	ELLE
9056A	Anions, Ion Chromatography	SW846	ELLE
1633A	Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A	EPA	ELLE
6020B	Metals (ICP/MS)	SW846	ELLE
1633A	Solid-Phase Extraction (SPE)	EPA	ELLE
5030C	Purge and Trap	SW846	ELLE
FILTRATION	Sample Filtration	None	ELLE
Non-Digest Prep	Preparation, Non-Digested Aqueous Metals	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287134-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
410-287134-1	MW-85B	Water	06/05/26 08:50	06/05/26 19:15	Pennsylvania
410-287134-2	MW-85A	Water	06/05/26 10:20	06/05/26 19:15	Pennsylvania
410-287134-3	MW-13	Water	06/05/26 11:45	06/05/26 19:15	Pennsylvania
410-287134-4	MW-30CR	Water	06/05/26 12:10	06/05/26 19:15	Pennsylvania
410-287134-5	PZ-1	Water	06/05/26 14:30	06/05/26 19:15	Pennsylvania
410-287134-6	PZ-6	Water	06/05/26 15:00	06/05/26 19:15	Pennsylvania
410-287134-7	PZ-7	Water	06/05/26 15:15	06/05/26 19:15	Pennsylvania
410-287134-8	PZ-9	Water	06/05/26 16:20	06/05/26 19:15	Pennsylvania
410-287134-9	Duplicate 6	Water	06/05/26 10:55	06/05/26 19:15	Pennsylvania
410-287134-10	Field Blank 6	Water	06/05/26 16:45	06/05/26 19:15	Pennsylvania
410-287134-11	TB060526	Water	05/07/26 00:00	06/05/26 19:15	Pennsylvania

Environmental Analysis Request



410-287134 Chain of Custody



**Lancaster Laboratories
Environmental**

Acct. # _____ Group # _____ Sample # _____

Client Name: Groundwater & Environmental Services, Inc		Acct #:		Matrix		Analyses Requested										For Lab Use Only	
Project Name/ #: GTAC-Bishop Tube HSCA Site				☐ Tissue ☒ Ground ☐ Surface		Preservation and Filtration Codes										SF #:	
Site Address: 1 S Malin Road, Malvern, PA 19355				☐ Potable ☐ NPDES												SCR #:	
GES PM/CM: Tim Uhler/Derek Yoder				☐ Sediment ☐ Soil												Preservation Codes H = HCl T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ P = H ₃ PO ₄ F = Field Filtered O = Other	
Client Address: 410 Eagleview Blvd, Suite 110 Exton, PA 19341				☐ Water ☐ Other:													
Email report: labreportspae@gesonline.com AND tuhler@gesonline.com																	
Invoice needs to be emailed to ges-invoices@gesonline.com. COC must be attached to invoice. Invoice must reference job # 0070462-3020-06																	
State where samples were collected: PA		For Compliance: Yes ☐ No ☒															
Sampler: <u>Ryan Orlovskii</u>		Collection															
Sampler Signature: <u>[Signature]</u>																	
Sample Identification		Date	Time	Grab	Composite											Remarks	
MW-85B		6-5-26	0850	X												Methods 6020B, 218.6 and 9056A need lab filtration. All are unpreserved.	
MW-85A		6-5-26	1020	X													
MW-13		6-5-26	1145	X													
MW-30CR		6-5-26	1210	X												MS/MSd collected at MW-85	
PZ-1		6-5-26	1430	X												For all methods	
PZ-6		6-5-26	1500	X													
PZ-7		6-5-26	1515	X													
PZ-9		6-5-26	1620	X													
Duplicate Co		6-5-26	1055	X													
Field Blank Co		6-5-26	1645	X													
Turnaround Time Requested (TAT) (please check): Standard ☒ Rush ☐		(Rush TAT is subject to laboratory approval and surcharges.)		Relinquished by: <u>[Signature]</u>		Date	Time	Received by: <u>[Signature]</u>		Date	Time						
Date results are needed:				Relinquished by: <u>[Signature]</u>		Date	Time	Received by: <u>[Signature]</u>		Date	Time						
Rush results requested by (please check): E-Mail ☐ Phone ☐				Relinquished by: <u>[Signature]</u>		Date	Time	Received by: <u>[Signature]</u>		Date	Time						
E-mail Address: labreportspae@gesonline.com				Relinquished by: <u>[Signature]</u>		Date	Time	Received by: <u>[Signature]</u>		Date	Time						
Phone:				Relinquished by: <u>[Signature]</u>		Date	Time	Received by: <u>[Signature]</u>		Date	Time						
Data Package Options (please check if required)				Relinquished by: <u>[Signature]</u>		Date	Time	Received by: <u>[Signature]</u>		Date	Time						
Type I (Validation/non-CLP) ☐ MA MCP ☐				Relinquished by: <u>[Signature]</u>		Date	Time	Received by: <u>[Signature]</u>		Date	Time						
Type III (Reduced non-CLP) ☐ CT RCP ☐				Relinquished by: <u>[Signature]</u>		Date	Time	Received by: <u>[Signature]</u>		Date	Time						
Type VI (Raw Data Only) ☐ TX TRRP-13 ☐				Relinquished by: <u>[Signature]</u>		Date	Time	Received by: <u>[Signature]</u>		Date	Time						
NJ DKQP ☐ NYSDEC Category ☐ A or ☐ B				Relinquished by Commercial Carrier:				Temperature upon receipt _____ °C									
EDD Required? Yes ☒ No ☐ If yes, format: _____				UPS _____ FedEx _____ Other _____													

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7045 0717

211.0
C11.5; received same day as received
collected 6/5/26
③ 6/5/26 6/5/26

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



Acct. #	Group #	Sample #
---------	---------	----------

[illegible]

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7045 0717

2215 D
C11. S; received same day as collected

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 410-287134-1

Login Number: 287134

List Number: 1

Creator: Montero, Luis

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(<=6C, not frozen).	False	Received same day of collection; chilling process has begun.
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (<=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	True	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	



ANALYTICAL REPORT

PREPARED FOR

Attn: Tim Uhler
Groundwater & Environmental Services Inc
410 Eagleview Boulevard
Suite 110
Exton, Pennsylvania 19341-2577

Generated 8/20/2026 12:12:49 PM Revision 2

JOB DESCRIPTION

GTAC-Bishop Tube HSCA Site

JOB NUMBER

410-287459-1

Eurofins Lancaster Laboratories Environment Testing, LLC

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Authorized for release by
Amek Carter, Project Manager
Loran.Carter@et.eurofinsus.com
(717)556-7252

Generated
8/20/2026 12:12:49 PM
Revision 2

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
 - Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
 - Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
- Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

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Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
^c	CCV Recovery is outside acceptance limits.
cn	Refer to Case Narrative for further detail
FH	MS and/or MSD recovery above control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

HPLC/IC

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
cn	Refer to Case Narrative for further detail

LCMS

Qualifier	Qualifier Description
^c	CCV Recovery is outside acceptance limits.
B	Analyte was found in the blank.
cn	Refer to Case Narrative for further detail
I	Ion ratio outside limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
!	Laboratory is not accredited for this parameter.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
!	Laboratory is not accredited for this parameter.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent

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Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Groundwater & Environmental Services Inc
Project: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Job ID: 410-287459-1

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**Job Narrative
410-287459-1**

REVISION

The report being provided is a revision of the original report sent on 6/22/2026. The report (revision 2) is being revised due to Total Hardness and Trivalent Chromium added.

Report revision history

Revision 1 - 7/30/2026 - Reason - add Dissolved Calcium and Dissolved Magnesium.

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 6/8/2026 6:35 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.0°C and 3.4°C.

GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-837429 recovered above the upper control limit for Methylcyclohexane, Freon 113 and Isopropylbenzene. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-838068 recovered above the upper control limit for Carbon tetrachloride. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-838068 recovered outside acceptance criteria, low biased, for Cyclohexane, 2-Hexanone, Chloromethane and Methyl acetate. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 218.6 - Dissolved: The reference method requires samples to be preserved to a pH of 9.3-9.7. The following sample was received with insufficient preservation at a pH of 9.1: SW-9 (410-287459-8). The sample(s) were preserved to the appropriate pH in the laboratory.

This does not meet regulatory requirements.

Method 218.6 - Dissolved: The reference method requires samples to be preserved to a pH of 9.3-9.7. The following sample was received with insufficient preservation at a pH of 9.1: SW-10 (410-287459-9). The sample(s) were preserved to the appropriate pH in the laboratory.

This does not meet regulatory requirements.

Method 218.6 - Dissolved: The reference method requires samples to be preserved to a pH of 9.3-9.7. The following sample was received with insufficient preservation at a pH of 9.1: Duplicte SW (410-287459-10). The sample(s) were preserved to the appropriate pH in the laboratory.

This does not meet regulatory requirements.

Eurofins Lancaster Laboratories Environment Testing, LLC

Case Narrative

Client: Groundwater & Environmental Services Inc
Project: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

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Method 218.6 - Dissolved: The reference method requires samples to be preserved to a pH of 9.3-9.7. The following sample was received with insufficient preservation at a pH of 8.8: Field Blank SW (410-287459-11) and could not be adjusted. This does not meet regulatory requirements.

Method 218.6 - Dissolved: The reference method requires samples to be preserved to a pH of 9.3-9.7. The following sample was received with insufficient preservation at a pH of 9.1: SW-1 (410-287459-1). The sample(s) were preserved to the appropriate pH in the laboratory.
This does not meet regulatory requirements.

Method 218.6 - Dissolved: The reference method requires samples to be preserved to a pH of 9.3-9.7. The following sample was received with insufficient preservation at a pH of 9.1: SW-1 (410-287459-1[MSJ]) and could not be adjusted. This does not meet regulatory requirements.

Method 218.6 - Dissolved: The reference method requires samples to be preserved to a pH of 9.3-9.7. The following sample was received with insufficient preservation at a pH of 9.1: SW-1 (410-287459-1[MSD]). The sample(s) were preserved to the appropriate pH in the laboratory.
This does not meet regulatory requirements.

Method 218.6 - Dissolved: The reference method requires samples to be preserved to a pH of 9.3-9.7. The following sample was received with insufficient preservation at a pH of 9.1: SW-3 (410-287459-2) and could not be adjusted. This does not meet regulatory requirements.

Method 218.6 - Dissolved: The reference method requires samples to be preserved to a pH of 9.3-9.7. The following sample was received with insufficient preservation at a pH of 9.1: SW-4 (410-287459-3). The sample(s) were preserved to the appropriate pH in the laboratory.
This does not meet regulatory requirements.

Method 218.6 - Dissolved: The reference method requires samples to be preserved to a pH of 9.3-9.7. The following sample was received with insufficient preservation at a pH of 9.1: SW-5 (410-287459-4). The sample(s) were preserved to the appropriate pH in the laboratory.
This does not meet regulatory requirements.

Method 218.6 - Dissolved: The reference method requires samples to be preserved to a pH of 9.3-9.7. The following sample was received with insufficient preservation at a pH of 9.1: SW-6 (410-287459-5) and could not be adjusted. This does not meet regulatory requirements.

Method 218.6 - Dissolved: The continuing calibration verification (CCV) associated with batch 410-832735 recovered above the upper control limit for Cr (VI). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are: SW-1 (410-287459-1) and Field Blank SW (410-287459-11).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

PFAS

Method 1633A: The recovery for labeled isotope: 13C2 PFTeDA, 13C2 8:2 FTS and 13C3-PFDoS is outside the QC acceptance limits in the opening instrument sensitivity check associated with the following samples SW-1 (410-287459-1), SW-1 (410-287459-1[MSJ]), SW-1 (410-287459-1[MSD]), SW-3 (410-287459-2), SW-4 (410-287459-3), SW-5 (410-287459-4), SW-6 (410-287459-5), SW-7 (410-287459-6), SW-8 (410-287459-7), SW-9 (410-287459-8), SW-10 (410-287459-9), Duplicate SW (410-287459-10) and Field Blank SW (410-287459-11), based low. Since the recovery for target analytes is within the limits, the data is reported.

Method 1633A: The recovery for labeled isotope: 13C3-PFDoS is outside the QC acceptance limits in the opening continuing calibration verification standard associated with the following samples SW-1 (410-287459-1), SW-1 (410-287459-1[MSJ]), SW-1 (410-287459-1[MSD]), SW-3 (410-287459-2), SW-4 (410-287459-3), SW-5 (410-287459-4), SW-6 (410-287459-5), SW-7 (410-287459-6), SW-8 (410-287459-7), SW-9 (410-287459-8), SW-10 (410-287459-9) and Duplicate SW (410-287459-10), biased low. Since the recovery for target analytes is within the limits, the data is reported.

Method 1633A: The recovery for labeled isotope: 13C2 PFTeDA and 13C3-PFDoS is outside the QC acceptance limits in the closing continuing calibration verification standard associated with the following samples SW-1 (410-287459-1), SW-1 (410-287459-1[MSJ]), SW-1 (410-287459-1[MSD]), SW-3 (410-287459-2), SW-4 (410-287459-3), SW-5 (410-287459-4), SW-6 (410-287459-5), SW-7 (410-287459-6), SW-8 (410-287459-7), SW-9 (410-287459-8), SW-10 (410-287459-9), Duplicate SW (410-287459-10) and Field Blank SW (410-287459-11), biased low. Since the recovery for target analytes is within the limits, the

Eurofins Lancaster Laboratories Environment Testing, LLC

Case Narrative

Client: Groundwater & Environmental Services Inc
Project: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

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data is reported.

Method 1633A: Target analyte(s) 3-Perfluoroheptylpropanoic acid (7:3 FTCA) were detected in the method blank associated with the following samples: SW-1 (410-287459-1), SW-1 (410-287459-1[MS]), SW-1 (410-287459-1[MSD]), SW-3 (410-287459-2), SW-4 (410-287459-3), SW-5 (410-287459-4), SW-6 (410-287459-5), SW-7 (410-287459-6), SW-8 (410-287459-7), SW-9 (410-287459-8), SW-10 (410-287459-9), Duplicte SW (410-287459-10) and Field Blank SW (410-287459-11). Since the result in the sample is ND, the data is reported.

Method 1633A: Analyte 1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS) was marked as non-detect for sample SW-4 (410-287459-3), SW-6 (410-287459-5) and Duplicte SW (410-287459-10) due to a detection below RL and failing ion ratio.

Method 1633A: The transition mass ratio for Perfluorooctanesulfonic acid (PFOS) in sample SW-6 (410-287459-5), SW-8 (410-287459-7) and SW-10 (410-287459-9) in analytical batch 410-837151 was outside of the established ratio limits. However, analyst judgment was used to positively identify the analyte. The analyte is flagged appropriately to identify this exceedance.

Method 1633A: The recovery for labeled isotope: $^{13}\text{C}_2$ PFTeDA and $^{13}\text{C}_3$ -PFDoS is outside the QC acceptance limits in the opening continuing calibration verification standard associated with the following samples Field Blank SW (410-287459-11), biased low. Since the recovery for target analytes is within the limits, the data is reported.

Method 1633A: Target analyte(s) 1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS) were detected in the field blank sample: Field Blank SW (410-287459-11). The following action was taken: This sample(s) was re-analyzed and target analyte(s) were again detected in the re-analyzed field blank sample(s).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: SW-1

Lab Sample ID: 410-287459-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.9	J	20	0.70	ug/L	1		8260D	Total/NA
Perfluorobutanoic acid (PFBA)	4.0		2.9	0.81	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	4.2		1.5	0.44	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	5.4		1.5	0.37	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	2.9		1.5	0.59	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	9.3		1.5	0.66	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	2.0		1.5	0.37	ng/L	1		1633A	Total/NA
Perfluorodecanoic acid (PFDA)	0.45	J	1.5	0.37	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	4.7		1.5	0.37	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.7		1.5	0.59	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	7.2		1.5	0.95	ng/L	1		1633A	Total/NA
Hardness as calcium carbonate	88	!	2.1	0.90	mg/L	1		2340B-2011	Total/NA
Manganese	0.010		0.0020	0.0012	mg/L	1		6020B	Total Recoverable
Nickel	0.00063	J	0.0010	0.00041	mg/L	1		6020B	Dissolved
Calcium	20		0.10	0.052	mg/L	1		6020B	Dissolved
Magnesium	9.9		0.052	0.016	mg/L	1		6020B	Dissolved

Client Sample ID: SW-3

Lab Sample ID: 410-287459-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trichlorobenzene	0.54	J	5.0	0.30	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	8.7		1.0	0.30	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	2.3		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	6.4		1.0	0.30	ug/L	1		8260D	Total/NA
Cr (VI)	0.033	cn	0.010	0.0050	mg/L	1		218.6	Dissolved
Fluoride	1.8		0.20	0.10	mg/L	1		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	12		3.4	0.93	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	32		1.7	0.50	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	23		1.7	0.42	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	14		1.7	0.67	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	17		1.7	0.76	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	4.2		1.7	0.42	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	3.4		1.7	0.42	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.1		1.7	0.67	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	4.5		1.7	1.1	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	21		3.4	0.84	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	2.1	J	3.4	0.84	ng/L	1		1633A	Total/NA
Hardness as calcium carbonate	130	!	2.1	0.90	mg/L	1		2340B-2011	Total/NA
Manganese	0.034		0.0020	0.0012	mg/L	1		6020B	Total Recoverable
Chromium	0.036		0.0021	0.00057	mg/L	1		6020B	Dissolved
Nickel	0.026		0.0010	0.00041	mg/L	1		6020B	Dissolved
Manganese	0.035		0.0021	0.0013	mg/L	1		6020B	Dissolved
Calcium	33		0.10	0.052	mg/L	1		6020B	Dissolved
Magnesium	11		0.052	0.016	mg/L	1		6020B	Dissolved

Client Sample ID: SW-4

Lab Sample ID: 410-287459-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	6.4		1.0	0.30	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: SW-4 (Continued)

Lab Sample ID: 410-287459-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.2	J	20	0.70	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	1.7		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	4.1		1.0	0.30	ug/L	1		8260D	Total/NA
Cr (VI)	0.033	cn	0.010	0.0050	mg/L	1		218.6	Dissolved
Fluoride	1.8		0.20	0.10	mg/L	1		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	12		2.9	0.79	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	31		1.4	0.43	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	21		1.4	0.36	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	13		1.4	0.57	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	17		1.4	0.64	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	4.4		1.4	0.36	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	3.2		1.4	0.36	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.1		1.4	0.57	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	4.7		1.4	0.93	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	22		2.9	0.71	ng/L	1		1633A	Total/NA
Hardness as calcium carbonate	130	!	2.1	0.90	mg/L	1		2340B-2011	Total/NA
Manganese	0.027		0.0020	0.0012	mg/L	1		6020B	Total Recoverable
Chromium	0.034		0.0021	0.00057	mg/L	1		6020B	Dissolved
Nickel	0.022		0.0010	0.00041	mg/L	1		6020B	Dissolved
Manganese	0.027		0.0021	0.0013	mg/L	1		6020B	Dissolved
Calcium	33		0.10	0.052	mg/L	1		6020B	Dissolved
Magnesium	11		0.052	0.016	mg/L	1		6020B	Dissolved

Client Sample ID: SW-5

Lab Sample ID: 410-287459-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	4.2		1.0	0.30	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	2.4		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	2.9		1.0	0.30	ug/L	1		8260D	Total/NA
Cr (VI)	0.030	cn	0.010	0.0050	mg/L	1		218.6	Dissolved
Fluoride	1.8		0.20	0.10	mg/L	1		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	13		2.9	0.79	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	32		1.4	0.43	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	20		1.4	0.36	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	14		1.4	0.58	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	16		1.4	0.65	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	4.5		1.4	0.36	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	3.2		1.4	0.36	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.2		1.4	0.58	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	4.6		1.4	0.94	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	14		2.9	0.72	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	1.2	J	2.9	0.72	ng/L	1		1633A	Total/NA
Hardness as calcium carbonate	130	!	2.1	0.90	mg/L	1		2340B-2011	Total/NA
Manganese	0.010		0.0020	0.0012	mg/L	1		6020B	Total Recoverable
Chromium	0.033		0.0021	0.00057	mg/L	1		6020B	Dissolved
Nickel	0.017		0.0010	0.00041	mg/L	1		6020B	Dissolved
Manganese	0.011		0.0021	0.0013	mg/L	1		6020B	Dissolved
Calcium	34		0.10	0.052	mg/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: SW-5 (Continued)

Lab Sample ID: 410-287459-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	11		0.052	0.016	mg/L	1		6020B	Dissolved

Client Sample ID: SW-6

Lab Sample ID: 410-287459-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	5.2		1.0	0.30	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	1.9		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	0.48	J	1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	2.7		1.0	0.30	ug/L	1		8260D	Total/NA
Cr (VI)	0.028	cn	0.010	0.0050	mg/L	1		218.6	Dissolved
Fluoride	1.8		0.20	0.10	mg/L	1		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	13		3.1	0.85	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	33		1.5	0.46	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	20		1.5	0.38	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	13		1.5	0.62	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	16		1.5	0.69	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	3.7		1.5	0.38	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	3.4		1.5	0.38	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.3		1.5	0.62	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	4.7	I cn	1.5	1.0	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	9.3		3.1	0.77	ng/L	1		1633A	Total/NA
Hardness as calcium carbonate	150	!	2.1	0.90	mg/L	1		2340B-2011	Total/NA
Manganese	0.0027		0.0020	0.0012	mg/L	1		6020B	Total Recoverable
Chromium	0.031		0.0021	0.00057	mg/L	1		6020B	Dissolved
Nickel	0.012		0.0010	0.00041	mg/L	1		6020B	Dissolved
Manganese	0.0024		0.0021	0.0013	mg/L	1		6020B	Dissolved
Calcium	37		0.10	0.052	mg/L	1		6020B	Dissolved
Magnesium	12		0.052	0.016	mg/L	1		6020B	Dissolved

Client Sample ID: SW-7

Lab Sample ID: 410-287459-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	4.4		1.0	0.30	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	1.6		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	1.9		1.0	0.30	ug/L	1		8260D	Total/NA
Cr (VI)	0.028		0.010	0.0050	mg/L	1		218.6	Dissolved
Fluoride	1.8		0.20	0.10	mg/L	1		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	13		3.4	0.93	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	32		1.7	0.51	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	22		1.7	0.42	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	14		1.7	0.67	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	15		1.7	0.76	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	4.0		1.7	0.42	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	3.3		1.7	0.42	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.2		1.7	0.67	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	4.1		1.7	1.1	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	9.9		3.4	0.84	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	1.2	J	3.4	0.84	ng/L	1		1633A	Total/NA
Hardness as calcium carbonate	140	!	2.1	0.90	mg/L	1		2340B-2011	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: SW-7 (Continued)

Lab Sample ID: 410-287459-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	0.0021		0.0020	0.0012	mg/L	1		6020B	Total Recoverable
Chromium	0.031		0.0021	0.00057	mg/L	1		6020B	Dissolved
Nickel	0.012		0.0010	0.00041	mg/L	1		6020B	Dissolved
Manganese	0.0019	J	0.0021	0.0013	mg/L	1		6020B	Dissolved
Calcium	38		0.10	0.052	mg/L	1		6020B	Dissolved
Magnesium	12		0.052	0.016	mg/L	1		6020B	Dissolved

Client Sample ID: SW-8

Lab Sample ID: 410-287459-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.6		1.0	0.30	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	0.82	J	1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	1.1		1.0	0.30	ug/L	1		8260D	Total/NA
Cr (VI)	0.029		0.010	0.0050	mg/L	1		218.6	Dissolved
Fluoride	1.8		0.20	0.10	mg/L	1		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	14		2.9	0.79	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	33		1.4	0.43	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	22		1.4	0.36	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	14		1.4	0.58	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	15		1.4	0.65	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	4.0		1.4	0.36	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	3.4		1.4	0.36	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.3		1.4	0.58	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	4.1	I cn	1.4	0.94	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	8.3		2.9	0.72	ng/L	1		1633A	Total/NA
Hardness as calcium carbonate	150	!	2.1	0.90	mg/L	1		2340B-2011	Total/NA
Manganese	0.0017	J	0.0020	0.0012	mg/L	1		6020B	Total Recoverable
Chromium	0.032		0.0021	0.00057	mg/L	1		6020B	Dissolved
Nickel	0.011		0.0010	0.00041	mg/L	1		6020B	Dissolved
Calcium	39		0.10	0.052	mg/L	1		6020B	Dissolved
Magnesium	12		0.052	0.016	mg/L	1		6020B	Dissolved

Client Sample ID: SW-9

Lab Sample ID: 410-287459-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.5		1.0	0.30	ug/L	1		8260D	Total/NA
Acetone	3.1	J	20	0.70	ug/L	1		8260D	Total/NA
Trichloroethene	0.59	J	1.0	0.30	ug/L	1		8260D	Total/NA
Cr (VI)	0.028	cn	0.010	0.0050	mg/L	1		218.6	Dissolved
Fluoride	1.8		0.20	0.10	mg/L	1		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	13		2.9	0.79	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	32		1.4	0.43	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	23		1.4	0.36	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	13		1.4	0.57	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	15		1.4	0.64	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	4.5		1.4	0.36	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	3.3		1.4	0.36	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.2		1.4	0.57	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	5.1		1.4	0.93	ng/L	1		1633A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: SW-9 (Continued)

Lab Sample ID: 410-287459-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	9.2		2.9	0.71	ng/L	1		1633A	Total/NA
Hardness as calcium carbonate	150	!	2.1	0.90	mg/L	1		2340B-2011	Total/NA
Manganese	0.0016	J	0.0020	0.0012	mg/L	1		6020B	Total Recoverable
Chromium	0.030		0.0021	0.00057	mg/L	1		6020B	Dissolved
Nickel	0.0097		0.0010	0.00041	mg/L	1		6020B	Dissolved
Manganese	0.0015	J	0.0021	0.0013	mg/L	1		6020B	Dissolved
Calcium	39	4	0.10	0.052	mg/L	1		6020B	Dissolved
Magnesium	12		0.052	0.016	mg/L	1		6020B	Dissolved

Client Sample ID: SW-10

Lab Sample ID: 410-287459-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.45	J	1.0	0.30	ug/L	1		8260D	Total/NA
Cr (VI)	0.023	cn	0.010	0.0050	mg/L	1		218.6	Dissolved
Fluoride	1.7		0.20	0.10	mg/L	1		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	13		3.0	0.82	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	32		1.5	0.45	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	20		1.5	0.37	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	13		1.5	0.59	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	14		1.5	0.67	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	3.9		1.5	0.37	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	3.6		1.5	0.37	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.1		1.5	0.59	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	5.2	I cn	1.5	0.97	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	3.6		3.0	0.74	ng/L	1		1633A	Total/NA
Hardness as calcium carbonate	190	!	2.1	0.90	mg/L	1		2340B-2011	Total/NA
Manganese	0.0063		0.0020	0.0012	mg/L	1		6020B	Total Recoverable
Chromium	0.026		0.0021	0.00057	mg/L	1		6020B	Dissolved
Nickel	0.0069		0.0010	0.00041	mg/L	1		6020B	Dissolved
Manganese	0.0045		0.0021	0.0013	mg/L	1		6020B	Dissolved
Calcium	38		0.10	0.052	mg/L	1		6020B	Dissolved
Magnesium	12		0.052	0.016	mg/L	1		6020B	Dissolved

Client Sample ID: Duplicte SW

Lab Sample ID: 410-287459-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	3.9		1.0	0.30	ug/L	1		8260D	Total/NA
Acetone	3.4	J	20	0.70	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	2.2		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	2.8		1.0	0.30	ug/L	1		8260D	Total/NA
Cr (VI)	0.031	cn	0.010	0.0050	mg/L	1		218.6	Dissolved
Fluoride	1.8		0.20	0.10	mg/L	1		9056A	Dissolved
Perfluorobutanoic acid (PFBA)	13		2.9	0.79	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	31		1.4	0.43	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	22		1.4	0.36	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	14		1.4	0.58	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	16		1.4	0.65	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	4.2		1.4	0.36	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	3.1		1.4	0.36	ng/L	1		1633A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: Duplicte SW (Continued)

Lab Sample ID: 410-287459-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Perfluorohexanesulfonic acid (PFHxS)	2.1		1.4	0.58	ng/L		1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	4.3		1.4	0.94	ng/L		1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	13		2.9	0.72	ng/L		1		1633A	Total/NA
Hardness as calcium carbonate	170	!	2.1	0.90	mg/L		1		2340B-2011	Total/NA
Manganese	0.010		0.0020	0.0012	mg/L		1		6020B	Total Recoverable
Chromium	0.033		0.0021	0.00057	mg/L		1		6020B	Dissolved
Nickel	0.017		0.0010	0.00041	mg/L		1		6020B	Dissolved
Manganese	0.010		0.0021	0.0013	mg/L		1		6020B	Dissolved
Calcium	33		0.10	0.052	mg/L		1		6020B	Dissolved
Magnesium	11		0.052	0.016	mg/L		1		6020B	Dissolved

Client Sample ID: Field Blank SW

Lab Sample ID: 410-287459-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Acetone	7.3	J	20	0.70	ug/L		1		8260D	Total/NA
Chloroform	1.3		1.0	0.30	ug/L		1		8260D	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.91	J cn	3.2	0.80	ng/L		1		1633A	Total/NA

Client Sample ID: TB060826

Lab Sample ID: 410-287459-12

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: SW-1

Lab Sample ID: 410-287459-1

Date Collected: 06/08/26 14:00

Matrix: Water

Date Received: 06/08/26 18:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/18/26 12:27	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/18/26 12:27	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/18/26 12:27	1
Styrene	ND		5.0	0.30	ug/L			06/18/26 12:27	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 12:27	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/18/26 12:27	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/18/26 12:27	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/18/26 12:27	1
Methylcyclohexane	ND	^c FH cn	5.0	0.50	ug/L			06/18/26 12:27	1
Toluene	ND		1.0	0.30	ug/L			06/18/26 12:27	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/18/26 12:27	1
Cyclohexane	ND		5.0	1.0	ug/L			06/18/26 12:27	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 12:27	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/18/26 12:27	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/18/26 12:27	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/18/26 12:27	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/18/26 12:27	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/18/26 12:27	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/18/26 12:27	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/18/26 12:27	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/18/26 12:27	1
2-Hexanone	ND		10	0.85	ug/L			06/18/26 12:27	1
Acetone	1.9	J	20	0.70	ug/L			06/18/26 12:27	1
Chloroform	ND		1.0	0.30	ug/L			06/18/26 12:27	1
Benzene	ND		1.0	0.30	ug/L			06/18/26 12:27	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/18/26 12:27	1
Bromomethane	ND		1.0	0.30	ug/L			06/18/26 12:27	1
Chloromethane	ND		2.0	0.55	ug/L			06/18/26 12:27	1
Chloroethane	ND		1.0	0.30	ug/L			06/18/26 12:27	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/18/26 12:27	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/18/26 12:27	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/18/26 12:27	1
Bromoform	ND		4.0	1.0	ug/L			06/18/26 12:27	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/18/26 12:27	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/18/26 12:27	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/18/26 12:27	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/18/26 12:27	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/18/26 12:27	1
Freon 113	ND	^c FH cn	10	0.30	ug/L			06/18/26 12:27	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/18/26 12:27	1
2-Butanone	ND		10	1.0	ug/L			06/18/26 12:27	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/18/26 12:27	1
Trichloroethene	ND		1.0	0.30	ug/L			06/18/26 12:27	1
Methyl acetate	ND		5.0	0.60	ug/L			06/18/26 12:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/18/26 12:27	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/18/26 12:27	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/18/26 12:27	1
Isopropylbenzene	ND	^c cn	5.0	0.30	ug/L			06/18/26 12:27	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: SW-1

Lab Sample ID: 410-287459-1

Date Collected: 06/08/26 14:00

Matrix: Water

Date Received: 06/08/26 18:35

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		06/18/26 12:27	1
Dibromofluoromethane (Surr)	100		80 - 120		06/18/26 12:27	1
4-Bromofluorobenzene (Surr)	100		80 - 120		06/18/26 12:27	1
Toluene-d8 (Surr)	101		80 - 120		06/18/26 12:27	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND	^+ cn	0.010	0.0050	mg/L			06/10/26 17:26	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20	0.10	mg/L			06/19/26 15:47	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.0		2.9	0.81	ng/L		06/17/26 09:53	06/18/26 01:51	1
Perfluoropentanoic acid (PFPeA)	4.2		1.5	0.44	ng/L		06/17/26 09:53	06/18/26 01:51	1
Perfluorohexanoic acid (PFHxA)	5.4		1.5	0.37	ng/L		06/17/26 09:53	06/18/26 01:51	1
Perfluoroheptanoic acid (PFHpA)	2.9		1.5	0.59	ng/L		06/17/26 09:53	06/18/26 01:51	1
Perfluorooctanoic acid (PFOA)	9.3		1.5	0.66	ng/L		06/17/26 09:53	06/18/26 01:51	1
Perfluorononanoic acid (PFNA)	2.0		1.5	0.37	ng/L		06/17/26 09:53	06/18/26 01:51	1
Perfluorodecanoic acid (PFDA)	0.45 J		1.5	0.37	ng/L		06/17/26 09:53	06/18/26 01:51	1
Perfluoroundecanoic acid (PFUnA)	ND		1.5	0.37	ng/L		06/17/26 09:53	06/18/26 01:51	1
Perfluorododecanoic acid (PFDoA)	ND		1.5	0.37	ng/L		06/17/26 09:53	06/18/26 01:51	1
Perfluorotridecanoic acid (PFTTrDA)	ND		1.5	0.37	ng/L		06/17/26 09:53	06/18/26 01:51	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.5	0.37	ng/L		06/17/26 09:53	06/18/26 01:51	1
Perfluorobutanesulfonic acid (PFBS)	4.7		1.5	0.37	ng/L		06/17/26 09:53	06/18/26 01:51	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.5	0.37	ng/L		06/17/26 09:53	06/18/26 01:51	1
Perfluorohexanesulfonic acid (PFHxS)	2.7		1.5	0.59	ng/L		06/17/26 09:53	06/18/26 01:51	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.5	0.37	ng/L		06/17/26 09:53	06/18/26 01:51	1
Perfluorooctanesulfonic acid (PFOS)	7.2		1.5	0.95	ng/L		06/17/26 09:53	06/18/26 01:51	1
Perfluorononanesulfonic acid (PFNS)	ND		1.5	0.37	ng/L		06/17/26 09:53	06/18/26 01:51	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.5	0.37	ng/L		06/17/26 09:53	06/18/26 01:51	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.5	0.44	ng/L		06/17/26 09:53	06/18/26 01:51	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.9	0.73	ng/L		06/17/26 09:53	06/18/26 01:51	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		2.9	0.73	ng/L		06/17/26 09:53	06/18/26 01:51	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.9	0.73	ng/L		06/17/26 09:53	06/18/26 01:51	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.5	0.37	ng/L		06/17/26 09:53	06/18/26 01:51	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.5	0.37	ng/L		06/17/26 09:53	06/18/26 01:51	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.5	0.81	ng/L		06/17/26 09:53	06/18/26 01:51	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.5	0.37	ng/L		06/17/26 09:53	06/18/26 01:51	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: SW-1

Lab Sample ID: 410-287459-1

Date Collected: 06/08/26 14:00

Matrix: Water

Date Received: 06/08/26 18:35

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.5	0.37	ng/L		06/17/26 09:53	06/18/26 01:51	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		7.3	2.9	ng/L		06/17/26 09:53	06/18/26 01:51	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		7.3	2.9	ng/L		06/17/26 09:53	06/18/26 01:51	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.5	1.0	ng/L		06/17/26 09:53	06/18/26 01:51	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.5	0.37	ng/L		06/17/26 09:53	06/18/26 01:51	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.5	0.37	ng/L		06/17/26 09:53	06/18/26 01:51	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.5	0.37	ng/L		06/17/26 09:53	06/18/26 01:51	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.5	0.37	ng/L		06/17/26 09:53	06/18/26 01:51	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.5	0.37	ng/L		06/17/26 09:53	06/18/26 01:51	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.5	0.37	ng/L		06/17/26 09:53	06/18/26 01:51	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.5	0.37	ng/L		06/17/26 09:53	06/18/26 01:51	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		2.9	0.73	ng/L		06/17/26 09:53	06/18/26 01:51	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		7.3	2.1	ng/L		06/17/26 09:53	06/18/26 01:51	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND	B cn	7.3	1.8	ng/L		06/17/26 09:53	06/18/26 01:51	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	78.2		5 - 130	06/17/26 09:53	06/18/26 01:51	1
13C5 PFPeA	80.0		40 - 130	06/17/26 09:53	06/18/26 01:51	1
13C5 PFHxA	76.0		40 - 130	06/17/26 09:53	06/18/26 01:51	1
13C4 PFHpA	76.5		40 - 130	06/17/26 09:53	06/18/26 01:51	1
13C8 PFOA	66.5		40 - 130	06/17/26 09:53	06/18/26 01:51	1
13C9 PFNA	66.4		40 - 130	06/17/26 09:53	06/18/26 01:51	1
13C6 PFDA	61.8		40 - 130	06/17/26 09:53	06/18/26 01:51	1
13C7 PFUnA	57.4		30 - 130	06/17/26 09:53	06/18/26 01:51	1
13C2 PFTeDA	40.0	^c cn	10 - 130	06/17/26 09:53	06/18/26 01:51	1
13C3 PFBS	72.4		40 - 135	06/17/26 09:53	06/18/26 01:51	1
13C3 PFHxS	61.7		40 - 130	06/17/26 09:53	06/18/26 01:51	1
13C8 PFOS	65.7		40 - 130	06/17/26 09:53	06/18/26 01:51	1
13C8 FOSA	63.7		40 - 130	06/17/26 09:53	06/18/26 01:51	1
d3-NMeFOSAA	56.1		40 - 170	06/17/26 09:53	06/18/26 01:51	1
d5-NEtFOSAA	58.0		25 - 135	06/17/26 09:53	06/18/26 01:51	1
13C2 4:2 FTS	70.2		40 - 200	06/17/26 09:53	06/18/26 01:51	1
13C2 6:2 FTS	68.2		40 - 200	06/17/26 09:53	06/18/26 01:51	1
13C2 8:2 FTS	43.1	^c cn	40 - 300	06/17/26 09:53	06/18/26 01:51	1
13C3 HFPO-DA	74.5		40 - 130	06/17/26 09:53	06/18/26 01:51	1
d7-N-MeFOSE-M	45.0		10 - 130	06/17/26 09:53	06/18/26 01:51	1
d9-N-EtFOSE-M	46.3		10 - 130	06/17/26 09:53	06/18/26 01:51	1
d5-NEtPFOSA	47.9		10 - 130	06/17/26 09:53	06/18/26 01:51	1
d3-NMePFOSA	52.8		10 - 130	06/17/26 09:53	06/18/26 01:51	1
13C2 PFDoA	56.9		10 - 130	06/17/26 09:53	06/18/26 01:51	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: SW-1

Lab Sample ID: 410-287459-1

Date Collected: 06/08/26 14:00

Matrix: Water

Date Received: 06/08/26 18:35

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-3:3 FTCA	83.2		20 - 150	06/17/26 09:53	06/18/26 01:51	1
13C3-5:3 FTCA	86.9		20 - 150	06/17/26 09:53	06/18/26 01:51	1
13C3-PFDoS	30.6	^c cn	20 - 150	06/17/26 09:53	06/18/26 01:51	1

Method: SM 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	88	!	2.1	0.90	mg/L			08/20/26 05:53	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.010		0.0020	0.0012	mg/L		06/15/26 08:00	06/15/26 16:57	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0021	0.00057	mg/L		06/12/26 07:10	06/15/26 20:29	1
Nickel	0.00063	J	0.0010	0.00041	mg/L		06/12/26 07:10	06/15/26 20:29	1
Manganese	ND		0.0021	0.0013	mg/L		06/12/26 07:10	06/15/26 20:29	1
Calcium	20		0.10	0.052	mg/L		06/12/26 07:10	06/15/26 20:29	1
Magnesium	9.9		0.052	0.016	mg/L		06/12/26 07:10	06/15/26 20:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (EPA 218.6 CR3)	ND	!	10	5.0	ug/L			08/19/26 16:37	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: SW-3

Lab Sample ID: 410-287459-2

Date Collected: 06/08/26 12:40

Matrix: Water

Date Received: 06/08/26 18:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/18/26 13:35	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/18/26 13:35	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/18/26 13:35	1
Styrene	ND		5.0	0.30	ug/L			06/18/26 13:35	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 13:35	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/18/26 13:35	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/18/26 13:35	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/18/26 13:35	1
Methylcyclohexane	ND	^c cn	5.0	0.50	ug/L			06/18/26 13:35	1
Toluene	ND		1.0	0.30	ug/L			06/18/26 13:35	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/18/26 13:35	1
Cyclohexane	ND		5.0	1.0	ug/L			06/18/26 13:35	1
1,2,4-Trichlorobenzene	0.54	J	5.0	0.30	ug/L			06/18/26 13:35	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/18/26 13:35	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/18/26 13:35	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/18/26 13:35	1
cis-1,2-Dichloroethene	8.7		1.0	0.30	ug/L			06/18/26 13:35	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/18/26 13:35	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/18/26 13:35	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/18/26 13:35	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/18/26 13:35	1
2-Hexanone	ND		10	0.85	ug/L			06/18/26 13:35	1
Acetone	ND		20	0.70	ug/L			06/18/26 13:35	1
Chloroform	ND		1.0	0.30	ug/L			06/18/26 13:35	1
Benzene	ND		1.0	0.30	ug/L			06/18/26 13:35	1
1,1,1-Trichloroethane	2.3		1.0	0.30	ug/L			06/18/26 13:35	1
Bromomethane	ND		1.0	0.30	ug/L			06/18/26 13:35	1
Chloromethane	ND		2.0	0.55	ug/L			06/18/26 13:35	1
Chloroethane	ND		1.0	0.30	ug/L			06/18/26 13:35	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/18/26 13:35	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/18/26 13:35	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/18/26 13:35	1
Bromoform	ND		4.0	1.0	ug/L			06/18/26 13:35	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/18/26 13:35	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/18/26 13:35	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/18/26 13:35	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/18/26 13:35	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/18/26 13:35	1
Freon 113	ND	^c cn	10	0.30	ug/L			06/18/26 13:35	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/18/26 13:35	1
2-Butanone	ND		10	1.0	ug/L			06/18/26 13:35	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/18/26 13:35	1
Trichloroethene	6.4		1.0	0.30	ug/L			06/18/26 13:35	1
Methyl acetate	ND		5.0	0.60	ug/L			06/18/26 13:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/18/26 13:35	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/18/26 13:35	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/18/26 13:35	1
Isopropylbenzene	ND	^c cn	5.0	0.30	ug/L			06/18/26 13:35	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: SW-3

Lab Sample ID: 410-287459-2

Date Collected: 06/08/26 12:40

Matrix: Water

Date Received: 06/08/26 18:35

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		06/18/26 13:35	1
Dibromofluoromethane (Surr)	102		80 - 120		06/18/26 13:35	1
4-Bromofluorobenzene (Surr)	99		80 - 120		06/18/26 13:35	1
Toluene-d8 (Surr)	103		80 - 120		06/18/26 13:35	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.033	cn	0.010	0.0050	mg/L			06/11/26 13:32	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	1.8		0.20	0.10	mg/L			06/19/26 19:22	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	12		3.4	0.93	ng/L		06/17/26 09:53	06/18/26 02:32	1
Perfluoropentanoic acid (PFPeA)	32		1.7	0.50	ng/L		06/17/26 09:53	06/18/26 02:32	1
Perfluorohexanoic acid (PFHxA)	23		1.7	0.42	ng/L		06/17/26 09:53	06/18/26 02:32	1
Perfluoroheptanoic acid (PFHpA)	14		1.7	0.67	ng/L		06/17/26 09:53	06/18/26 02:32	1
Perfluorooctanoic acid (PFOA)	17		1.7	0.76	ng/L		06/17/26 09:53	06/18/26 02:32	1
Perfluorononanoic acid (PFNA)	4.2		1.7	0.42	ng/L		06/17/26 09:53	06/18/26 02:32	1
Perfluorodecanoic acid (PFDA)	ND		1.7	0.42	ng/L		06/17/26 09:53	06/18/26 02:32	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.42	ng/L		06/17/26 09:53	06/18/26 02:32	1
Perfluorododecanoic acid (PFDoA)	ND		1.7	0.42	ng/L		06/17/26 09:53	06/18/26 02:32	1
Perfluorotridecanoic acid (PFTTrDA)	ND		1.7	0.42	ng/L		06/17/26 09:53	06/18/26 02:32	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.7	0.42	ng/L		06/17/26 09:53	06/18/26 02:32	1
Perfluorobutanesulfonic acid (PFBS)	3.4		1.7	0.42	ng/L		06/17/26 09:53	06/18/26 02:32	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.7	0.42	ng/L		06/17/26 09:53	06/18/26 02:32	1
Perfluorohexanesulfonic acid (PFHxS)	2.1		1.7	0.67	ng/L		06/17/26 09:53	06/18/26 02:32	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.7	0.42	ng/L		06/17/26 09:53	06/18/26 02:32	1
Perfluorooctanesulfonic acid (PFOS)	4.5		1.7	1.1	ng/L		06/17/26 09:53	06/18/26 02:32	1
Perfluorononanesulfonic acid (PFNS)	ND		1.7	0.42	ng/L		06/17/26 09:53	06/18/26 02:32	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.42	ng/L		06/17/26 09:53	06/18/26 02:32	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.7	0.50	ng/L		06/17/26 09:53	06/18/26 02:32	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.4	0.84	ng/L		06/17/26 09:53	06/18/26 02:32	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	21		3.4	0.84	ng/L		06/17/26 09:53	06/18/26 02:32	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	2.1 J		3.4	0.84	ng/L		06/17/26 09:53	06/18/26 02:32	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.7	0.42	ng/L		06/17/26 09:53	06/18/26 02:32	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.7	0.42	ng/L		06/17/26 09:53	06/18/26 02:32	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.7	0.93	ng/L		06/17/26 09:53	06/18/26 02:32	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.7	0.42	ng/L		06/17/26 09:53	06/18/26 02:32	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: SW-3

Lab Sample ID: 410-287459-2

Date Collected: 06/08/26 12:40

Matrix: Water

Date Received: 06/08/26 18:35

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.7	0.42	ng/L		06/17/26 09:53	06/18/26 02:32	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.4	3.4	ng/L		06/17/26 09:53	06/18/26 02:32	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.4	3.4	ng/L		06/17/26 09:53	06/18/26 02:32	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.7	1.2	ng/L		06/17/26 09:53	06/18/26 02:32	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.7	0.42	ng/L		06/17/26 09:53	06/18/26 02:32	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.7	0.42	ng/L		06/17/26 09:53	06/18/26 02:32	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.7	0.42	ng/L		06/17/26 09:53	06/18/26 02:32	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.7	0.42	ng/L		06/17/26 09:53	06/18/26 02:32	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.7	0.42	ng/L		06/17/26 09:53	06/18/26 02:32	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.7	0.42	ng/L		06/17/26 09:53	06/18/26 02:32	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.7	0.42	ng/L		06/17/26 09:53	06/18/26 02:32	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.4	0.84	ng/L		06/17/26 09:53	06/18/26 02:32	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		8.4	2.4	ng/L		06/17/26 09:53	06/18/26 02:32	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND	B cn	8.4	2.1	ng/L		06/17/26 09:53	06/18/26 02:32	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	93.8		5 - 130	06/17/26 09:53	06/18/26 02:32	1
13C5 PFPeA	93.4		40 - 130	06/17/26 09:53	06/18/26 02:32	1
13C5 PFHxA	90.8		40 - 130	06/17/26 09:53	06/18/26 02:32	1
13C4 PFHpA	93.4		40 - 130	06/17/26 09:53	06/18/26 02:32	1
13C8 PFOA	91.9		40 - 130	06/17/26 09:53	06/18/26 02:32	1
13C9 PFNA	88.3		40 - 130	06/17/26 09:53	06/18/26 02:32	1
13C6 PFDA	82.1		40 - 130	06/17/26 09:53	06/18/26 02:32	1
13C7 PFUnA	72.3		30 - 130	06/17/26 09:53	06/18/26 02:32	1
13C2 PFTeDA	46.6	^c cn	10 - 130	06/17/26 09:53	06/18/26 02:32	1
13C3 PFBS	90.4		40 - 135	06/17/26 09:53	06/18/26 02:32	1
13C3 PFHxS	82.6		40 - 130	06/17/26 09:53	06/18/26 02:32	1
13C8 PFOS	84.9		40 - 130	06/17/26 09:53	06/18/26 02:32	1
13C8 FOSA	73.9		40 - 130	06/17/26 09:53	06/18/26 02:32	1
d3-NMeFOSAA	65.6		40 - 170	06/17/26 09:53	06/18/26 02:32	1
d5-NEtFOSAA	63.1		25 - 135	06/17/26 09:53	06/18/26 02:32	1
13C2 4:2 FTS	87.0		40 - 200	06/17/26 09:53	06/18/26 02:32	1
13C2 6:2 FTS	89.0		40 - 200	06/17/26 09:53	06/18/26 02:32	1
13C2 8:2 FTS	59.1	^c cn	40 - 300	06/17/26 09:53	06/18/26 02:32	1
13C3 HFPO-DA	90.1		40 - 130	06/17/26 09:53	06/18/26 02:32	1
d7-N-MeFOSE-M	47.8		10 - 130	06/17/26 09:53	06/18/26 02:32	1
d9-N-EtFOSE-M	44.1		10 - 130	06/17/26 09:53	06/18/26 02:32	1
d5-NEtPFOSA	58.3		10 - 130	06/17/26 09:53	06/18/26 02:32	1
d3-NMePFOSA	63.9		10 - 130	06/17/26 09:53	06/18/26 02:32	1
13C2 PFDoA	64.9		10 - 130	06/17/26 09:53	06/18/26 02:32	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: SW-3

Lab Sample ID: 410-287459-2

Date Collected: 06/08/26 12:40

Matrix: Water

Date Received: 06/08/26 18:35

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-3:3 FTCA	104		20 - 150	06/17/26 09:53	06/18/26 02:32	1
13C3-5:3 FTCA	113		20 - 150	06/17/26 09:53	06/18/26 02:32	1
13C3-PFDoS	34.1	^c cn	20 - 150	06/17/26 09:53	06/18/26 02:32	1

Method: SM 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	130	!	2.1	0.90	mg/L			08/20/26 05:53	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.034		0.0020	0.0012	mg/L		06/11/26 22:06	06/12/26 11:44	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.036		0.0021	0.00057	mg/L		06/22/26 00:30	06/22/26 10:24	1
Nickel	0.026		0.0010	0.00041	mg/L		06/22/26 00:30	06/22/26 10:24	1
Manganese	0.035		0.0021	0.0013	mg/L		06/22/26 00:30	06/22/26 10:24	1
Calcium	33		0.10	0.052	mg/L		06/22/26 00:30	06/22/26 10:24	1
Magnesium	11		0.052	0.016	mg/L		06/22/26 00:30	06/22/26 10:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (EPA 218.6 CR3)	ND	!	10	5.0	ug/L			08/19/26 16:37	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: SW-4

Lab Sample ID: 410-287459-3

Date Collected: 06/08/26 12:20

Matrix: Water

Date Received: 06/08/26 18:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/18/26 13:58	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/18/26 13:58	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/18/26 13:58	1
Styrene	ND		5.0	0.30	ug/L			06/18/26 13:58	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 13:58	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/18/26 13:58	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/18/26 13:58	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/18/26 13:58	1
Methylcyclohexane	ND	^c cn	5.0	0.50	ug/L			06/18/26 13:58	1
Toluene	ND		1.0	0.30	ug/L			06/18/26 13:58	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/18/26 13:58	1
Cyclohexane	ND		5.0	1.0	ug/L			06/18/26 13:58	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 13:58	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/18/26 13:58	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/18/26 13:58	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/18/26 13:58	1
cis-1,2-Dichloroethene	6.4		1.0	0.30	ug/L			06/18/26 13:58	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/18/26 13:58	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/18/26 13:58	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/18/26 13:58	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/18/26 13:58	1
2-Hexanone	ND		10	0.85	ug/L			06/18/26 13:58	1
Acetone	1.2 J		20	0.70	ug/L			06/18/26 13:58	1
Chloroform	ND		1.0	0.30	ug/L			06/18/26 13:58	1
Benzene	ND		1.0	0.30	ug/L			06/18/26 13:58	1
1,1,1-Trichloroethane	1.7		1.0	0.30	ug/L			06/18/26 13:58	1
Bromomethane	ND		1.0	0.30	ug/L			06/18/26 13:58	1
Chloromethane	ND		2.0	0.55	ug/L			06/18/26 13:58	1
Chloroethane	ND		1.0	0.30	ug/L			06/18/26 13:58	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/18/26 13:58	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/18/26 13:58	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/18/26 13:58	1
Bromoform	ND		4.0	1.0	ug/L			06/18/26 13:58	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/18/26 13:58	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/18/26 13:58	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/18/26 13:58	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/18/26 13:58	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/18/26 13:58	1
Freon 113	ND	^c cn	10	0.30	ug/L			06/18/26 13:58	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/18/26 13:58	1
2-Butanone	ND		10	1.0	ug/L			06/18/26 13:58	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/18/26 13:58	1
Trichloroethene	4.1		1.0	0.30	ug/L			06/18/26 13:58	1
Methyl acetate	ND		5.0	0.60	ug/L			06/18/26 13:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/18/26 13:58	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/18/26 13:58	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/18/26 13:58	1
Isopropylbenzene	ND	^c cn	5.0	0.30	ug/L			06/18/26 13:58	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: SW-4

Lab Sample ID: 410-287459-3

Date Collected: 06/08/26 12:20

Matrix: Water

Date Received: 06/08/26 18:35

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		06/18/26 13:58	1
Dibromofluoromethane (Surr)	103		80 - 120		06/18/26 13:58	1
4-Bromofluorobenzene (Surr)	98		80 - 120		06/18/26 13:58	1
Toluene-d8 (Surr)	104		80 - 120		06/18/26 13:58	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.033	cn	0.010	0.0050	mg/L			06/11/26 13:39	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	1.8		0.20	0.10	mg/L			06/19/26 17:08	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	12		2.9	0.79	ng/L		06/17/26 09:53	06/18/26 02:45	1
Perfluoropentanoic acid (PFPeA)	31		1.4	0.43	ng/L		06/17/26 09:53	06/18/26 02:45	1
Perfluorohexanoic acid (PFHxA)	21		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 02:45	1
Perfluoroheptanoic acid (PFHpA)	13		1.4	0.57	ng/L		06/17/26 09:53	06/18/26 02:45	1
Perfluorooctanoic acid (PFOA)	17		1.4	0.64	ng/L		06/17/26 09:53	06/18/26 02:45	1
Perfluorononanoic acid (PFNA)	4.4		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 02:45	1
Perfluorodecanoic acid (PFDA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 02:45	1
Perfluoroundecanoic acid (PFUnA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 02:45	1
Perfluorododecanoic acid (PFDoA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 02:45	1
Perfluorotridecanoic acid (PFTTrDA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 02:45	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 02:45	1
Perfluorobutanesulfonic acid (PFBS)	3.2		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 02:45	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 02:45	1
Perfluorohexanesulfonic acid (PFHxS)	2.1		1.4	0.57	ng/L		06/17/26 09:53	06/18/26 02:45	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 02:45	1
Perfluorooctanesulfonic acid (PFOS)	4.7		1.4	0.93	ng/L		06/17/26 09:53	06/18/26 02:45	1
Perfluorononanesulfonic acid (PFNS)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 02:45	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 02:45	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.4	0.43	ng/L		06/17/26 09:53	06/18/26 02:45	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.9	0.71	ng/L		06/17/26 09:53	06/18/26 02:45	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	22		2.9	0.71	ng/L		06/17/26 09:53	06/18/26 02:45	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND	cn	2.9	0.71	ng/L		06/17/26 09:53	06/18/26 02:45	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 02:45	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 02:45	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.4	0.79	ng/L		06/17/26 09:53	06/18/26 02:45	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 02:45	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: SW-4

Lab Sample ID: 410-287459-3

Date Collected: 06/08/26 12:20

Matrix: Water

Date Received: 06/08/26 18:35

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 02:45	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		7.1	2.9	ng/L		06/17/26 09:53	06/18/26 02:45	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		7.1	2.9	ng/L		06/17/26 09:53	06/18/26 02:45	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.4	1.0	ng/L		06/17/26 09:53	06/18/26 02:45	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 02:45	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 02:45	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 02:45	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 02:45	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 02:45	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 02:45	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 02:45	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		2.9	0.71	ng/L		06/17/26 09:53	06/18/26 02:45	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		7.1	2.0	ng/L		06/17/26 09:53	06/18/26 02:45	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND	B cn	7.1	1.8	ng/L		06/17/26 09:53	06/18/26 02:45	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	95.2		5 - 130	06/17/26 09:53	06/18/26 02:45	1
13C5 PFPeA	97.7		40 - 130	06/17/26 09:53	06/18/26 02:45	1
13C5 PFHxA	94.7		40 - 130	06/17/26 09:53	06/18/26 02:45	1
13C4 PFHpA	97.2		40 - 130	06/17/26 09:53	06/18/26 02:45	1
13C8 PFOA	94.2		40 - 130	06/17/26 09:53	06/18/26 02:45	1
13C9 PFNA	89.5		40 - 130	06/17/26 09:53	06/18/26 02:45	1
13C6 PFDA	79.2		40 - 130	06/17/26 09:53	06/18/26 02:45	1
13C7 PFUnA	69.6		30 - 130	06/17/26 09:53	06/18/26 02:45	1
13C2 PFTeDA	41.2	^c cn	10 - 130	06/17/26 09:53	06/18/26 02:45	1
13C3 PFBS	92.7		40 - 135	06/17/26 09:53	06/18/26 02:45	1
13C3 PFHxS	82.5		40 - 130	06/17/26 09:53	06/18/26 02:45	1
13C8 PFOS	80.1		40 - 130	06/17/26 09:53	06/18/26 02:45	1
13C8 FOSA	74.0		40 - 130	06/17/26 09:53	06/18/26 02:45	1
d3-NMeFOSAA	69.8		40 - 170	06/17/26 09:53	06/18/26 02:45	1
d5-NEtFOSAA	67.1		25 - 135	06/17/26 09:53	06/18/26 02:45	1
13C2 4:2 FTS	94.3		40 - 200	06/17/26 09:53	06/18/26 02:45	1
13C2 6:2 FTS	86.7		40 - 200	06/17/26 09:53	06/18/26 02:45	1
13C2 8:2 FTS	59.2	^c cn	40 - 300	06/17/26 09:53	06/18/26 02:45	1
13C3 HFPO-DA	95.0		40 - 130	06/17/26 09:53	06/18/26 02:45	1
d7-N-MeFOSE-M	52.7		10 - 130	06/17/26 09:53	06/18/26 02:45	1
d9-N-EtFOSE-M	51.5		10 - 130	06/17/26 09:53	06/18/26 02:45	1
d5-NEtPFOSA	59.6		10 - 130	06/17/26 09:53	06/18/26 02:45	1
d3-NMePFOSA	63.9		10 - 130	06/17/26 09:53	06/18/26 02:45	1
13C2 PFDoA	63.6		10 - 130	06/17/26 09:53	06/18/26 02:45	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: SW-4

Lab Sample ID: 410-287459-3

Date Collected: 06/08/26 12:20

Matrix: Water

Date Received: 06/08/26 18:35

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-3:3 FTCA	101		20 - 150	06/17/26 09:53	06/18/26 02:45	1
13C3-5:3 FTCA	110		20 - 150	06/17/26 09:53	06/18/26 02:45	1
13C3-PFDoS	31.6	^c cn	20 - 150	06/17/26 09:53	06/18/26 02:45	1

Method: SM 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	130	!	2.1	0.90	mg/L			08/20/26 05:53	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.027		0.0020	0.0012	mg/L		06/11/26 22:06	06/12/26 11:54	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.034		0.0021	0.00057	mg/L		06/22/26 00:30	06/22/26 10:21	1
Nickel	0.022		0.0010	0.00041	mg/L		06/22/26 00:30	06/22/26 10:21	1
Manganese	0.027		0.0021	0.0013	mg/L		06/22/26 00:30	06/22/26 10:21	1
Calcium	33		0.10	0.052	mg/L		06/22/26 00:30	06/22/26 10:21	1
Magnesium	11		0.052	0.016	mg/L		06/22/26 00:30	06/22/26 10:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (EPA 218.6 CR3)	ND	!	10	5.0	ug/L			08/19/26 16:37	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: SW-5

Lab Sample ID: 410-287459-4

Date Collected: 06/08/26 09:45

Matrix: Water

Date Received: 06/08/26 18:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/18/26 14:21	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/18/26 14:21	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/18/26 14:21	1
Styrene	ND		5.0	0.30	ug/L			06/18/26 14:21	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 14:21	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/18/26 14:21	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/18/26 14:21	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/18/26 14:21	1
Methylcyclohexane	ND	^c cn	5.0	0.50	ug/L			06/18/26 14:21	1
Toluene	ND		1.0	0.30	ug/L			06/18/26 14:21	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/18/26 14:21	1
Cyclohexane	ND		5.0	1.0	ug/L			06/18/26 14:21	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 14:21	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/18/26 14:21	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/18/26 14:21	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/18/26 14:21	1
cis-1,2-Dichloroethene	4.2		1.0	0.30	ug/L			06/18/26 14:21	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/18/26 14:21	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/18/26 14:21	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/18/26 14:21	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/18/26 14:21	1
2-Hexanone	ND		10	0.85	ug/L			06/18/26 14:21	1
Acetone	ND		20	0.70	ug/L			06/18/26 14:21	1
Chloroform	ND		1.0	0.30	ug/L			06/18/26 14:21	1
Benzene	ND		1.0	0.30	ug/L			06/18/26 14:21	1
1,1,1-Trichloroethane	2.4		1.0	0.30	ug/L			06/18/26 14:21	1
Bromomethane	ND		1.0	0.30	ug/L			06/18/26 14:21	1
Chloromethane	ND		2.0	0.55	ug/L			06/18/26 14:21	1
Chloroethane	ND		1.0	0.30	ug/L			06/18/26 14:21	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/18/26 14:21	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/18/26 14:21	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/18/26 14:21	1
Bromoform	ND		4.0	1.0	ug/L			06/18/26 14:21	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/18/26 14:21	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/18/26 14:21	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/18/26 14:21	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/18/26 14:21	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/18/26 14:21	1
Freon 113	ND	^c cn	10	0.30	ug/L			06/18/26 14:21	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/18/26 14:21	1
2-Butanone	ND		10	1.0	ug/L			06/18/26 14:21	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/18/26 14:21	1
Trichloroethene	2.9		1.0	0.30	ug/L			06/18/26 14:21	1
Methyl acetate	ND		5.0	0.60	ug/L			06/18/26 14:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/18/26 14:21	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/18/26 14:21	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/18/26 14:21	1
Isopropylbenzene	ND	^c cn	5.0	0.30	ug/L			06/18/26 14:21	1

Euromins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: SW-5

Lab Sample ID: 410-287459-4

Date Collected: 06/08/26 09:45

Matrix: Water

Date Received: 06/08/26 18:35

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		06/18/26 14:21	1
Dibromofluoromethane (Surr)	102		80 - 120		06/18/26 14:21	1
4-Bromofluorobenzene (Surr)	99		80 - 120		06/18/26 14:21	1
Toluene-d8 (Surr)	102		80 - 120		06/18/26 14:21	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.030	cn	0.010	0.0050	mg/L			06/11/26 13:47	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	1.8		0.20	0.10	mg/L			06/19/26 22:56	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	13		2.9	0.79	ng/L		06/17/26 09:53	06/18/26 02:59	1
Perfluoropentanoic acid (PFPeA)	32		1.4	0.43	ng/L		06/17/26 09:53	06/18/26 02:59	1
Perfluorohexanoic acid (PFHxA)	20		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 02:59	1
Perfluoroheptanoic acid (PFHpA)	14		1.4	0.58	ng/L		06/17/26 09:53	06/18/26 02:59	1
Perfluorooctanoic acid (PFOA)	16		1.4	0.65	ng/L		06/17/26 09:53	06/18/26 02:59	1
Perfluorononanoic acid (PFNA)	4.5		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 02:59	1
Perfluorodecanoic acid (PFDA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 02:59	1
Perfluoroundecanoic acid (PFUnA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 02:59	1
Perfluorododecanoic acid (PFDoA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 02:59	1
Perfluorotridecanoic acid (PFTTrDA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 02:59	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 02:59	1
Perfluorobutanesulfonic acid (PFBS)	3.2		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 02:59	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 02:59	1
Perfluorohexanesulfonic acid (PFHxS)	2.2		1.4	0.58	ng/L		06/17/26 09:53	06/18/26 02:59	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 02:59	1
Perfluorooctanesulfonic acid (PFOS)	4.6		1.4	0.94	ng/L		06/17/26 09:53	06/18/26 02:59	1
Perfluorononanesulfonic acid (PFNS)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 02:59	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 02:59	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.4	0.43	ng/L		06/17/26 09:53	06/18/26 02:59	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.9	0.72	ng/L		06/17/26 09:53	06/18/26 02:59	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	14		2.9	0.72	ng/L		06/17/26 09:53	06/18/26 02:59	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	1.2 J		2.9	0.72	ng/L		06/17/26 09:53	06/18/26 02:59	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 02:59	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 02:59	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.4	0.79	ng/L		06/17/26 09:53	06/18/26 02:59	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 02:59	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: SW-5

Lab Sample ID: 410-287459-4

Date Collected: 06/08/26 09:45

Matrix: Water

Date Received: 06/08/26 18:35

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 02:59	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		7.2	2.9	ng/L		06/17/26 09:53	06/18/26 02:59	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		7.2	2.9	ng/L		06/17/26 09:53	06/18/26 02:59	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.4	1.0	ng/L		06/17/26 09:53	06/18/26 02:59	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 02:59	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 02:59	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 02:59	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 02:59	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 02:59	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 02:59	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 02:59	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		2.9	0.72	ng/L		06/17/26 09:53	06/18/26 02:59	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		7.2	2.0	ng/L		06/17/26 09:53	06/18/26 02:59	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND	B cn	7.2	1.8	ng/L		06/17/26 09:53	06/18/26 02:59	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	94.0		5 - 130	06/17/26 09:53	06/18/26 02:59	1
13C5 PFPeA	96.0		40 - 130	06/17/26 09:53	06/18/26 02:59	1
13C5 PFHxA	98.4		40 - 130	06/17/26 09:53	06/18/26 02:59	1
13C4 PFHpA	92.3		40 - 130	06/17/26 09:53	06/18/26 02:59	1
13C8 PFOA	92.9		40 - 130	06/17/26 09:53	06/18/26 02:59	1
13C9 PFNA	90.4		40 - 130	06/17/26 09:53	06/18/26 02:59	1
13C6 PFDA	79.6		40 - 130	06/17/26 09:53	06/18/26 02:59	1
13C7 PFUnA	74.5		30 - 130	06/17/26 09:53	06/18/26 02:59	1
13C2 PFTeDA	51.2	^c cn	10 - 130	06/17/26 09:53	06/18/26 02:59	1
13C3 PFBS	92.0		40 - 135	06/17/26 09:53	06/18/26 02:59	1
13C3 PFHxS	84.1		40 - 130	06/17/26 09:53	06/18/26 02:59	1
13C8 PFOS	89.5		40 - 130	06/17/26 09:53	06/18/26 02:59	1
13C8 FOSA	77.8		40 - 130	06/17/26 09:53	06/18/26 02:59	1
d3-NMeFOSAA	73.6		40 - 170	06/17/26 09:53	06/18/26 02:59	1
d5-NEtFOSAA	69.0		25 - 135	06/17/26 09:53	06/18/26 02:59	1
13C2 4:2 FTS	87.0		40 - 200	06/17/26 09:53	06/18/26 02:59	1
13C2 6:2 FTS	83.4		40 - 200	06/17/26 09:53	06/18/26 02:59	1
13C2 8:2 FTS	60.7	^c cn	40 - 300	06/17/26 09:53	06/18/26 02:59	1
13C3 HFPO-DA	86.6		40 - 130	06/17/26 09:53	06/18/26 02:59	1
d7-N-MeFOSE-M	64.5		10 - 130	06/17/26 09:53	06/18/26 02:59	1
d9-N-EtFOSE-M	66.1		10 - 130	06/17/26 09:53	06/18/26 02:59	1
d5-NEtPFOSA	61.4		10 - 130	06/17/26 09:53	06/18/26 02:59	1
d3-NMePFOSA	67.7		10 - 130	06/17/26 09:53	06/18/26 02:59	1
13C2 PFDoA	75.5		10 - 130	06/17/26 09:53	06/18/26 02:59	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: SW-5

Lab Sample ID: 410-287459-4

Date Collected: 06/08/26 09:45

Matrix: Water

Date Received: 06/08/26 18:35

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-3:3 FTCA	93.7		20 - 150	06/17/26 09:53	06/18/26 02:59	1
13C3-5:3 FTCA	107		20 - 150	06/17/26 09:53	06/18/26 02:59	1
13C3-PFDoS	38.7	^c cn	20 - 150	06/17/26 09:53	06/18/26 02:59	1

Method: SM 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	130	!	2.1	0.90	mg/L			08/20/26 05:53	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.010		0.0020	0.0012	mg/L		06/11/26 22:06	06/12/26 11:56	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.033		0.0021	0.00057	mg/L		06/22/26 00:30	06/22/26 09:56	1
Nickel	0.017		0.0010	0.00041	mg/L		06/22/26 00:30	06/22/26 09:56	1
Manganese	0.011		0.0021	0.0013	mg/L		06/22/26 00:30	06/22/26 09:56	1
Calcium	34		0.10	0.052	mg/L		06/22/26 00:30	06/22/26 09:56	1
Magnesium	11		0.052	0.016	mg/L		06/22/26 00:30	06/22/26 09:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (EPA 218.6 CR3)	ND	!	10	5.0	ug/L			08/19/26 16:37	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: SW-6

Lab Sample ID: 410-287459-5

Date Collected: 06/08/26 11:40

Matrix: Water

Date Received: 06/08/26 18:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/18/26 14:44	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/18/26 14:44	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/18/26 14:44	1
Styrene	ND		5.0	0.30	ug/L			06/18/26 14:44	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 14:44	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/18/26 14:44	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/18/26 14:44	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/18/26 14:44	1
Methylcyclohexane	ND	^c cn	5.0	0.50	ug/L			06/18/26 14:44	1
Toluene	ND		1.0	0.30	ug/L			06/18/26 14:44	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/18/26 14:44	1
Cyclohexane	ND		5.0	1.0	ug/L			06/18/26 14:44	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 14:44	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/18/26 14:44	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/18/26 14:44	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/18/26 14:44	1
cis-1,2-Dichloroethene	5.2		1.0	0.30	ug/L			06/18/26 14:44	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/18/26 14:44	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/18/26 14:44	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/18/26 14:44	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/18/26 14:44	1
2-Hexanone	ND		10	0.85	ug/L			06/18/26 14:44	1
Acetone	ND		20	0.70	ug/L			06/18/26 14:44	1
Chloroform	ND		1.0	0.30	ug/L			06/18/26 14:44	1
Benzene	ND		1.0	0.30	ug/L			06/18/26 14:44	1
1,1,1-Trichloroethane	1.9		1.0	0.30	ug/L			06/18/26 14:44	1
Bromomethane	ND		1.0	0.30	ug/L			06/18/26 14:44	1
Chloromethane	ND		2.0	0.55	ug/L			06/18/26 14:44	1
Chloroethane	ND		1.0	0.30	ug/L			06/18/26 14:44	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/18/26 14:44	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/18/26 14:44	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/18/26 14:44	1
Bromoform	ND		4.0	1.0	ug/L			06/18/26 14:44	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/18/26 14:44	1
1,1-Dichloroethane	0.48 J		1.0	0.30	ug/L			06/18/26 14:44	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/18/26 14:44	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/18/26 14:44	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/18/26 14:44	1
Freon 113	ND	^c cn	10	0.30	ug/L			06/18/26 14:44	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/18/26 14:44	1
2-Butanone	ND		10	1.0	ug/L			06/18/26 14:44	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/18/26 14:44	1
Trichloroethene	2.7		1.0	0.30	ug/L			06/18/26 14:44	1
Methyl acetate	ND		5.0	0.60	ug/L			06/18/26 14:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/18/26 14:44	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/18/26 14:44	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/18/26 14:44	1
Isopropylbenzene	ND	^c cn	5.0	0.30	ug/L			06/18/26 14:44	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: SW-6

Lab Sample ID: 410-287459-5

Date Collected: 06/08/26 11:40

Matrix: Water

Date Received: 06/08/26 18:35

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120		06/18/26 14:44	1
Dibromofluoromethane (Surr)	100		80 - 120		06/18/26 14:44	1
4-Bromofluorobenzene (Surr)	100		80 - 120		06/18/26 14:44	1
Toluene-d8 (Surr)	103		80 - 120		06/18/26 14:44	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.028	cn	0.010	0.0050	mg/L			06/18/26 09:06	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	1.8		0.20	0.10	mg/L			06/19/26 19:49	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	13		3.1	0.85	ng/L		06/17/26 09:53	06/18/26 03:13	1
Perfluoropentanoic acid (PFPeA)	33		1.5	0.46	ng/L		06/17/26 09:53	06/18/26 03:13	1
Perfluorohexanoic acid (PFHxA)	20		1.5	0.38	ng/L		06/17/26 09:53	06/18/26 03:13	1
Perfluoroheptanoic acid (PFHpA)	13		1.5	0.62	ng/L		06/17/26 09:53	06/18/26 03:13	1
Perfluorooctanoic acid (PFOA)	16		1.5	0.69	ng/L		06/17/26 09:53	06/18/26 03:13	1
Perfluorononanoic acid (PFNA)	3.7		1.5	0.38	ng/L		06/17/26 09:53	06/18/26 03:13	1
Perfluorodecanoic acid (PFDA)	ND		1.5	0.38	ng/L		06/17/26 09:53	06/18/26 03:13	1
Perfluoroundecanoic acid (PFUnA)	ND		1.5	0.38	ng/L		06/17/26 09:53	06/18/26 03:13	1
Perfluorododecanoic acid (PFDoA)	ND		1.5	0.38	ng/L		06/17/26 09:53	06/18/26 03:13	1
Perfluorotridecanoic acid (PFTTrDA)	ND		1.5	0.38	ng/L		06/17/26 09:53	06/18/26 03:13	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.5	0.38	ng/L		06/17/26 09:53	06/18/26 03:13	1
Perfluorobutanesulfonic acid (PFBS)	3.4		1.5	0.38	ng/L		06/17/26 09:53	06/18/26 03:13	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.5	0.38	ng/L		06/17/26 09:53	06/18/26 03:13	1
Perfluorohexanesulfonic acid (PFHxS)	2.3		1.5	0.62	ng/L		06/17/26 09:53	06/18/26 03:13	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.5	0.38	ng/L		06/17/26 09:53	06/18/26 03:13	1
Perfluorooctanesulfonic acid (PFOS)	4.7	I cn	1.5	1.0	ng/L		06/17/26 09:53	06/18/26 03:13	1
Perfluorononanesulfonic acid (PFNS)	ND		1.5	0.38	ng/L		06/17/26 09:53	06/18/26 03:13	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.5	0.38	ng/L		06/17/26 09:53	06/18/26 03:13	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.5	0.46	ng/L		06/17/26 09:53	06/18/26 03:13	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.1	0.77	ng/L		06/17/26 09:53	06/18/26 03:13	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	9.3		3.1	0.77	ng/L		06/17/26 09:53	06/18/26 03:13	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND	cn	3.1	0.77	ng/L		06/17/26 09:53	06/18/26 03:13	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.5	0.38	ng/L		06/17/26 09:53	06/18/26 03:13	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.5	0.38	ng/L		06/17/26 09:53	06/18/26 03:13	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.5	0.85	ng/L		06/17/26 09:53	06/18/26 03:13	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.5	0.38	ng/L		06/17/26 09:53	06/18/26 03:13	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: SW-6

Lab Sample ID: 410-287459-5

Date Collected: 06/08/26 11:40

Matrix: Water

Date Received: 06/08/26 18:35

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.5	0.38	ng/L		06/17/26 09:53	06/18/26 03:13	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		7.7	3.1	ng/L		06/17/26 09:53	06/18/26 03:13	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		7.7	3.1	ng/L		06/17/26 09:53	06/18/26 03:13	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.5	1.1	ng/L		06/17/26 09:53	06/18/26 03:13	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.5	0.38	ng/L		06/17/26 09:53	06/18/26 03:13	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.5	0.38	ng/L		06/17/26 09:53	06/18/26 03:13	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.5	0.38	ng/L		06/17/26 09:53	06/18/26 03:13	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.5	0.38	ng/L		06/17/26 09:53	06/18/26 03:13	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.5	0.38	ng/L		06/17/26 09:53	06/18/26 03:13	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.5	0.38	ng/L		06/17/26 09:53	06/18/26 03:13	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.5	0.38	ng/L		06/17/26 09:53	06/18/26 03:13	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.1	0.77	ng/L		06/17/26 09:53	06/18/26 03:13	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		7.7	2.2	ng/L		06/17/26 09:53	06/18/26 03:13	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND	B cn	7.7	1.9	ng/L		06/17/26 09:53	06/18/26 03:13	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	98.5		5 - 130	06/17/26 09:53	06/18/26 03:13	1
13C5 PFPeA	99.0		40 - 130	06/17/26 09:53	06/18/26 03:13	1
13C5 PFHxA	100		40 - 130	06/17/26 09:53	06/18/26 03:13	1
13C4 PFHpA	100		40 - 130	06/17/26 09:53	06/18/26 03:13	1
13C8 PFOA	99.3		40 - 130	06/17/26 09:53	06/18/26 03:13	1
13C9 PFNA	95.1		40 - 130	06/17/26 09:53	06/18/26 03:13	1
13C6 PFDA	89.0		40 - 130	06/17/26 09:53	06/18/26 03:13	1
13C7 PFUnA	81.7		30 - 130	06/17/26 09:53	06/18/26 03:13	1
13C2 PFTeDA	54.4	^c cn	10 - 130	06/17/26 09:53	06/18/26 03:13	1
13C3 PFBS	91.1		40 - 135	06/17/26 09:53	06/18/26 03:13	1
13C3 PFHxS	85.5		40 - 130	06/17/26 09:53	06/18/26 03:13	1
13C8 PFOS	96.6		40 - 130	06/17/26 09:53	06/18/26 03:13	1
13C8 FOSA	84.4		40 - 130	06/17/26 09:53	06/18/26 03:13	1
d3-NMeFOSAA	82.2		40 - 170	06/17/26 09:53	06/18/26 03:13	1
d5-NEtFOSAA	81.2		25 - 135	06/17/26 09:53	06/18/26 03:13	1
13C2 4:2 FTS	88.0		40 - 200	06/17/26 09:53	06/18/26 03:13	1
13C2 6:2 FTS	91.9		40 - 200	06/17/26 09:53	06/18/26 03:13	1
13C2 8:2 FTS	63.7	^c cn	40 - 300	06/17/26 09:53	06/18/26 03:13	1
13C3 HFPO-DA	92.9		40 - 130	06/17/26 09:53	06/18/26 03:13	1
d7-N-MeFOSE-M	57.2		10 - 130	06/17/26 09:53	06/18/26 03:13	1
d9-N-EtFOSE-M	58.1		10 - 130	06/17/26 09:53	06/18/26 03:13	1
d5-NEtPFOSA	64.8		10 - 130	06/17/26 09:53	06/18/26 03:13	1
d3-NMePFOSA	71.0		10 - 130	06/17/26 09:53	06/18/26 03:13	1
13C2 PFDoA	74.9		10 - 130	06/17/26 09:53	06/18/26 03:13	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: SW-6

Lab Sample ID: 410-287459-5

Date Collected: 06/08/26 11:40

Matrix: Water

Date Received: 06/08/26 18:35

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-3:3 FTCA	100		20 - 150	06/17/26 09:53	06/18/26 03:13	1
13C3-5:3 FTCA	117		20 - 150	06/17/26 09:53	06/18/26 03:13	1
13C3-PFDoS	42.8	^c cn	20 - 150	06/17/26 09:53	06/18/26 03:13	1

Method: SM 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	150	!	2.1	0.90	mg/L			08/20/26 05:53	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.0027		0.0020	0.0012	mg/L		06/11/26 22:06	06/12/26 11:58	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.031		0.0021	0.00057	mg/L		06/22/26 00:30	06/22/26 09:58	1
Nickel	0.012		0.0010	0.00041	mg/L		06/22/26 00:30	06/22/26 09:58	1
Manganese	0.0024		0.0021	0.0013	mg/L		06/22/26 00:30	06/22/26 09:58	1
Calcium	37		0.10	0.052	mg/L		06/22/26 00:30	06/22/26 09:58	1
Magnesium	12		0.052	0.016	mg/L		06/22/26 00:30	06/22/26 09:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (EPA 218.6 CR3)	ND	!	10	5.0	ug/L			08/19/26 16:37	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: SW-7

Lab Sample ID: 410-287459-6

Date Collected: 06/08/26 11:20

Matrix: Water

Date Received: 06/08/26 18:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/18/26 15:06	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/18/26 15:06	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/18/26 15:06	1
Styrene	ND		5.0	0.30	ug/L			06/18/26 15:06	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 15:06	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/18/26 15:06	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/18/26 15:06	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/18/26 15:06	1
Methylcyclohexane	ND	^c cn	5.0	0.50	ug/L			06/18/26 15:06	1
Toluene	ND		1.0	0.30	ug/L			06/18/26 15:06	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/18/26 15:06	1
Cyclohexane	ND		5.0	1.0	ug/L			06/18/26 15:06	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 15:06	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/18/26 15:06	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/18/26 15:06	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/18/26 15:06	1
cis-1,2-Dichloroethene	4.4		1.0	0.30	ug/L			06/18/26 15:06	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/18/26 15:06	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/18/26 15:06	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/18/26 15:06	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/18/26 15:06	1
2-Hexanone	ND		10	0.85	ug/L			06/18/26 15:06	1
Acetone	ND		20	0.70	ug/L			06/18/26 15:06	1
Chloroform	ND		1.0	0.30	ug/L			06/18/26 15:06	1
Benzene	ND		1.0	0.30	ug/L			06/18/26 15:06	1
1,1,1-Trichloroethane	1.6		1.0	0.30	ug/L			06/18/26 15:06	1
Bromomethane	ND		1.0	0.30	ug/L			06/18/26 15:06	1
Chloromethane	ND		2.0	0.55	ug/L			06/18/26 15:06	1
Chloroethane	ND		1.0	0.30	ug/L			06/18/26 15:06	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/18/26 15:06	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/18/26 15:06	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/18/26 15:06	1
Bromoform	ND		4.0	1.0	ug/L			06/18/26 15:06	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/18/26 15:06	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/18/26 15:06	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/18/26 15:06	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/18/26 15:06	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/18/26 15:06	1
Freon 113	ND	^c cn	10	0.30	ug/L			06/18/26 15:06	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/18/26 15:06	1
2-Butanone	ND		10	1.0	ug/L			06/18/26 15:06	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/18/26 15:06	1
Trichloroethene	1.9		1.0	0.30	ug/L			06/18/26 15:06	1
Methyl acetate	ND		5.0	0.60	ug/L			06/18/26 15:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/18/26 15:06	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/18/26 15:06	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/18/26 15:06	1
Isopropylbenzene	ND	^c cn	5.0	0.30	ug/L			06/18/26 15:06	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: SW-7

Lab Sample ID: 410-287459-6

Date Collected: 06/08/26 11:20

Matrix: Water

Date Received: 06/08/26 18:35

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		06/18/26 15:06	1
Dibromofluoromethane (Surr)	100		80 - 120		06/18/26 15:06	1
4-Bromofluorobenzene (Surr)	99		80 - 120		06/18/26 15:06	1
Toluene-d8 (Surr)	102		80 - 120		06/18/26 15:06	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.028		0.010	0.0050	mg/L			06/18/26 09:36	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	1.8		0.20	0.10	mg/L			06/19/26 20:15	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	13		3.4	0.93	ng/L		06/17/26 09:53	06/18/26 03:26	1
Perfluoropentanoic acid (PFPeA)	32		1.7	0.51	ng/L		06/17/26 09:53	06/18/26 03:26	1
Perfluorohexanoic acid (PFHxA)	22		1.7	0.42	ng/L		06/17/26 09:53	06/18/26 03:26	1
Perfluoroheptanoic acid (PFHpA)	14		1.7	0.67	ng/L		06/17/26 09:53	06/18/26 03:26	1
Perfluorooctanoic acid (PFOA)	15		1.7	0.76	ng/L		06/17/26 09:53	06/18/26 03:26	1
Perfluorononanoic acid (PFNA)	4.0		1.7	0.42	ng/L		06/17/26 09:53	06/18/26 03:26	1
Perfluorodecanoic acid (PFDA)	ND		1.7	0.42	ng/L		06/17/26 09:53	06/18/26 03:26	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.42	ng/L		06/17/26 09:53	06/18/26 03:26	1
Perfluorododecanoic acid (PFDoA)	ND		1.7	0.42	ng/L		06/17/26 09:53	06/18/26 03:26	1
Perfluorotridecanoic acid (PFTriDA)	ND		1.7	0.42	ng/L		06/17/26 09:53	06/18/26 03:26	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.7	0.42	ng/L		06/17/26 09:53	06/18/26 03:26	1
Perfluorobutanesulfonic acid (PFBS)	3.3		1.7	0.42	ng/L		06/17/26 09:53	06/18/26 03:26	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.7	0.42	ng/L		06/17/26 09:53	06/18/26 03:26	1
Perfluorohexanesulfonic acid (PFHxS)	2.2		1.7	0.67	ng/L		06/17/26 09:53	06/18/26 03:26	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.7	0.42	ng/L		06/17/26 09:53	06/18/26 03:26	1
Perfluorooctanesulfonic acid (PFOS)	4.1		1.7	1.1	ng/L		06/17/26 09:53	06/18/26 03:26	1
Perfluorononanesulfonic acid (PFNS)	ND		1.7	0.42	ng/L		06/17/26 09:53	06/18/26 03:26	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.42	ng/L		06/17/26 09:53	06/18/26 03:26	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.7	0.51	ng/L		06/17/26 09:53	06/18/26 03:26	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.4	0.84	ng/L		06/17/26 09:53	06/18/26 03:26	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	9.9		3.4	0.84	ng/L		06/17/26 09:53	06/18/26 03:26	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	1.2 J		3.4	0.84	ng/L		06/17/26 09:53	06/18/26 03:26	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.7	0.42	ng/L		06/17/26 09:53	06/18/26 03:26	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.7	0.42	ng/L		06/17/26 09:53	06/18/26 03:26	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.7	0.93	ng/L		06/17/26 09:53	06/18/26 03:26	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.7	0.42	ng/L		06/17/26 09:53	06/18/26 03:26	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: SW-7

Lab Sample ID: 410-287459-6

Date Collected: 06/08/26 11:20

Matrix: Water

Date Received: 06/08/26 18:35

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.7	0.42	ng/L		06/17/26 09:53	06/18/26 03:26	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.4	3.4	ng/L		06/17/26 09:53	06/18/26 03:26	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.4	3.4	ng/L		06/17/26 09:53	06/18/26 03:26	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.7	1.2	ng/L		06/17/26 09:53	06/18/26 03:26	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.7	0.42	ng/L		06/17/26 09:53	06/18/26 03:26	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.7	0.42	ng/L		06/17/26 09:53	06/18/26 03:26	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.7	0.42	ng/L		06/17/26 09:53	06/18/26 03:26	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.7	0.42	ng/L		06/17/26 09:53	06/18/26 03:26	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.7	0.42	ng/L		06/17/26 09:53	06/18/26 03:26	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.7	0.42	ng/L		06/17/26 09:53	06/18/26 03:26	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.7	0.42	ng/L		06/17/26 09:53	06/18/26 03:26	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.4	0.84	ng/L		06/17/26 09:53	06/18/26 03:26	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		8.4	2.4	ng/L		06/17/26 09:53	06/18/26 03:26	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND	B cn	8.4	2.1	ng/L		06/17/26 09:53	06/18/26 03:26	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	88.9		5 - 130	06/17/26 09:53	06/18/26 03:26	1
13C5 PFPeA	97.5		40 - 130	06/17/26 09:53	06/18/26 03:26	1
13C5 PFHxA	92.5		40 - 130	06/17/26 09:53	06/18/26 03:26	1
13C4 PFHpA	94.1		40 - 130	06/17/26 09:53	06/18/26 03:26	1
13C8 PFOA	90.3		40 - 130	06/17/26 09:53	06/18/26 03:26	1
13C9 PFNA	93.1		40 - 130	06/17/26 09:53	06/18/26 03:26	1
13C6 PFDA	82.9		40 - 130	06/17/26 09:53	06/18/26 03:26	1
13C7 PFUnA	81.9		30 - 130	06/17/26 09:53	06/18/26 03:26	1
13C2 PFTeDA	53.3	^c cn	10 - 130	06/17/26 09:53	06/18/26 03:26	1
13C3 PFBS	86.4		40 - 135	06/17/26 09:53	06/18/26 03:26	1
13C3 PFHxS	77.4		40 - 130	06/17/26 09:53	06/18/26 03:26	1
13C8 PFOS	94.9		40 - 130	06/17/26 09:53	06/18/26 03:26	1
13C8 FOSA	84.2		40 - 130	06/17/26 09:53	06/18/26 03:26	1
d3-NMeFOSAA	74.2		40 - 170	06/17/26 09:53	06/18/26 03:26	1
d5-NEtFOSAA	71.3		25 - 135	06/17/26 09:53	06/18/26 03:26	1
13C2 4:2 FTS	86.1		40 - 200	06/17/26 09:53	06/18/26 03:26	1
13C2 6:2 FTS	77.2		40 - 200	06/17/26 09:53	06/18/26 03:26	1
13C2 8:2 FTS	63.4	^c cn	40 - 300	06/17/26 09:53	06/18/26 03:26	1
13C3 HFPO-DA	91.6		40 - 130	06/17/26 09:53	06/18/26 03:26	1
d7-N-MeFOSE-M	67.2		10 - 130	06/17/26 09:53	06/18/26 03:26	1
d9-N-EtFOSE-M	67.0		10 - 130	06/17/26 09:53	06/18/26 03:26	1
d5-NEtPFOSA	65.0		10 - 130	06/17/26 09:53	06/18/26 03:26	1
d3-NMePFOSA	72.0		10 - 130	06/17/26 09:53	06/18/26 03:26	1
13C2 PFDoA	73.1		10 - 130	06/17/26 09:53	06/18/26 03:26	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: SW-7

Lab Sample ID: 410-287459-6

Date Collected: 06/08/26 11:20

Matrix: Water

Date Received: 06/08/26 18:35

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-3:3 FTCA	97.7		20 - 150	06/17/26 09:53	06/18/26 03:26	1
13C3-5:3 FTCA	111		20 - 150	06/17/26 09:53	06/18/26 03:26	1
13C3-PFDoS	39.9	^c cn	20 - 150	06/17/26 09:53	06/18/26 03:26	1

Method: SM 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	140	!	2.1	0.90	mg/L			08/20/26 05:53	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.0021		0.0020	0.0012	mg/L		06/11/26 22:06	06/12/26 12:00	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.031		0.0021	0.00057	mg/L		06/22/26 00:30	06/22/26 10:00	1
Nickel	0.012		0.0010	0.00041	mg/L		06/22/26 00:30	06/22/26 10:00	1
Manganese	0.0019	J	0.0021	0.0013	mg/L		06/22/26 00:30	06/22/26 10:00	1
Calcium	38		0.10	0.052	mg/L		06/22/26 00:30	06/22/26 10:00	1
Magnesium	12		0.052	0.016	mg/L		06/22/26 00:30	06/22/26 10:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (EPA 218.6 CR3)	ND	!	10	5.0	ug/L			08/19/26 16:37	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: SW-8

Lab Sample ID: 410-287459-7

Date Collected: 06/08/26 11:10

Matrix: Water

Date Received: 06/08/26 18:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/18/26 15:29	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/18/26 15:29	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/18/26 15:29	1
Styrene	ND		5.0	0.30	ug/L			06/18/26 15:29	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 15:29	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/18/26 15:29	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/18/26 15:29	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/18/26 15:29	1
Methylcyclohexane	ND	^c cn	5.0	0.50	ug/L			06/18/26 15:29	1
Toluene	ND		1.0	0.30	ug/L			06/18/26 15:29	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/18/26 15:29	1
Cyclohexane	ND		5.0	1.0	ug/L			06/18/26 15:29	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 15:29	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/18/26 15:29	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/18/26 15:29	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/18/26 15:29	1
cis-1,2-Dichloroethene	2.6		1.0	0.30	ug/L			06/18/26 15:29	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/18/26 15:29	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/18/26 15:29	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/18/26 15:29	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/18/26 15:29	1
2-Hexanone	ND		10	0.85	ug/L			06/18/26 15:29	1
Acetone	ND		20	0.70	ug/L			06/18/26 15:29	1
Chloroform	ND		1.0	0.30	ug/L			06/18/26 15:29	1
Benzene	ND		1.0	0.30	ug/L			06/18/26 15:29	1
1,1,1-Trichloroethane	0.82	J	1.0	0.30	ug/L			06/18/26 15:29	1
Bromomethane	ND		1.0	0.30	ug/L			06/18/26 15:29	1
Chloromethane	ND		2.0	0.55	ug/L			06/18/26 15:29	1
Chloroethane	ND		1.0	0.30	ug/L			06/18/26 15:29	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/18/26 15:29	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/18/26 15:29	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/18/26 15:29	1
Bromoform	ND		4.0	1.0	ug/L			06/18/26 15:29	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/18/26 15:29	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/18/26 15:29	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/18/26 15:29	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/18/26 15:29	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/18/26 15:29	1
Freon 113	ND	^c cn	10	0.30	ug/L			06/18/26 15:29	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/18/26 15:29	1
2-Butanone	ND		10	1.0	ug/L			06/18/26 15:29	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/18/26 15:29	1
Trichloroethene	1.1		1.0	0.30	ug/L			06/18/26 15:29	1
Methyl acetate	ND		5.0	0.60	ug/L			06/18/26 15:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/18/26 15:29	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/18/26 15:29	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/18/26 15:29	1
Isopropylbenzene	ND	^c cn	5.0	0.30	ug/L			06/18/26 15:29	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: SW-8

Lab Sample ID: 410-287459-7

Date Collected: 06/08/26 11:10

Matrix: Water

Date Received: 06/08/26 18:35

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		06/18/26 15:29	1
Dibromofluoromethane (Surr)	101		80 - 120		06/18/26 15:29	1
4-Bromofluorobenzene (Surr)	99		80 - 120		06/18/26 15:29	1
Toluene-d8 (Surr)	103		80 - 120		06/18/26 15:29	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.029		0.010	0.0050	mg/L			06/18/26 09:44	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	1.8		0.20	0.10	mg/L			06/19/26 18:55	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	14		2.9	0.79	ng/L		06/17/26 09:53	06/18/26 03:40	1
Perfluoropentanoic acid (PFPeA)	33		1.4	0.43	ng/L		06/17/26 09:53	06/18/26 03:40	1
Perfluorohexanoic acid (PFHxA)	22		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 03:40	1
Perfluoroheptanoic acid (PFHpA)	14		1.4	0.58	ng/L		06/17/26 09:53	06/18/26 03:40	1
Perfluorooctanoic acid (PFOA)	15		1.4	0.65	ng/L		06/17/26 09:53	06/18/26 03:40	1
Perfluorononanoic acid (PFNA)	4.0		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 03:40	1
Perfluorodecanoic acid (PFDA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 03:40	1
Perfluoroundecanoic acid (PFUnA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 03:40	1
Perfluorododecanoic acid (PFDoA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 03:40	1
Perfluorotridecanoic acid (PFTTrDA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 03:40	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 03:40	1
Perfluorobutanesulfonic acid (PFBS)	3.4		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 03:40	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 03:40	1
Perfluorohexanesulfonic acid (PFHxS)	2.3		1.4	0.58	ng/L		06/17/26 09:53	06/18/26 03:40	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 03:40	1
Perfluorooctanesulfonic acid (PFOS)	4.1	I cn	1.4	0.94	ng/L		06/17/26 09:53	06/18/26 03:40	1
Perfluorononanesulfonic acid (PFNS)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 03:40	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 03:40	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.4	0.43	ng/L		06/17/26 09:53	06/18/26 03:40	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.9	0.72	ng/L		06/17/26 09:53	06/18/26 03:40	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	8.3		2.9	0.72	ng/L		06/17/26 09:53	06/18/26 03:40	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.9	0.72	ng/L		06/17/26 09:53	06/18/26 03:40	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 03:40	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 03:40	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.4	0.79	ng/L		06/17/26 09:53	06/18/26 03:40	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 03:40	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: SW-8

Lab Sample ID: 410-287459-7

Date Collected: 06/08/26 11:10

Matrix: Water

Date Received: 06/08/26 18:35

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 03:40	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		7.2	2.9	ng/L		06/17/26 09:53	06/18/26 03:40	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		7.2	2.9	ng/L		06/17/26 09:53	06/18/26 03:40	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.4	1.0	ng/L		06/17/26 09:53	06/18/26 03:40	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 03:40	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 03:40	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 03:40	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 03:40	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 03:40	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 03:40	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 03:40	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		2.9	0.72	ng/L		06/17/26 09:53	06/18/26 03:40	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		7.2	2.0	ng/L		06/17/26 09:53	06/18/26 03:40	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND	B cn	7.2	1.8	ng/L		06/17/26 09:53	06/18/26 03:40	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	88.0		5 - 130	06/17/26 09:53	06/18/26 03:40	1
13C5 PFPeA	91.4		40 - 130	06/17/26 09:53	06/18/26 03:40	1
13C5 PFHxA	89.3		40 - 130	06/17/26 09:53	06/18/26 03:40	1
13C4 PFHpA	89.5		40 - 130	06/17/26 09:53	06/18/26 03:40	1
13C8 PFOA	90.5		40 - 130	06/17/26 09:53	06/18/26 03:40	1
13C9 PFNA	85.8		40 - 130	06/17/26 09:53	06/18/26 03:40	1
13C6 PFDA	81.2		40 - 130	06/17/26 09:53	06/18/26 03:40	1
13C7 PFUnA	79.6		30 - 130	06/17/26 09:53	06/18/26 03:40	1
13C2 PFTeDA	49.2	^c cn	10 - 130	06/17/26 09:53	06/18/26 03:40	1
13C3 PFBS	85.4		40 - 135	06/17/26 09:53	06/18/26 03:40	1
13C3 PFHxS	79.5		40 - 130	06/17/26 09:53	06/18/26 03:40	1
13C8 PFOS	87.9		40 - 130	06/17/26 09:53	06/18/26 03:40	1
13C8 FOSA	75.1		40 - 130	06/17/26 09:53	06/18/26 03:40	1
d3-NMeFOSAA	71.5		40 - 170	06/17/26 09:53	06/18/26 03:40	1
d5-NEtFOSAA	70.8		25 - 135	06/17/26 09:53	06/18/26 03:40	1
13C2 4:2 FTS	82.3		40 - 200	06/17/26 09:53	06/18/26 03:40	1
13C2 6:2 FTS	80.5		40 - 200	06/17/26 09:53	06/18/26 03:40	1
13C2 8:2 FTS	57.9	^c cn	40 - 300	06/17/26 09:53	06/18/26 03:40	1
13C3 HFPO-DA	84.8		40 - 130	06/17/26 09:53	06/18/26 03:40	1
d7-N-MeFOSE-M	64.2		10 - 130	06/17/26 09:53	06/18/26 03:40	1
d9-N-EtFOSE-M	63.7		10 - 130	06/17/26 09:53	06/18/26 03:40	1
d5-NEtPFOSA	57.2		10 - 130	06/17/26 09:53	06/18/26 03:40	1
d3-NMePFOSA	64.9		10 - 130	06/17/26 09:53	06/18/26 03:40	1
13C2 PFDoA	72.7		10 - 130	06/17/26 09:53	06/18/26 03:40	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: SW-8

Lab Sample ID: 410-287459-7

Date Collected: 06/08/26 11:10

Matrix: Water

Date Received: 06/08/26 18:35

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-3:3 FTCA	91.7		20 - 150	06/17/26 09:53	06/18/26 03:40	1
13C3-5:3 FTCA	103		20 - 150	06/17/26 09:53	06/18/26 03:40	1
13C3-PFDoS	39.0	^c cn	20 - 150	06/17/26 09:53	06/18/26 03:40	1

Method: SM 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	150	!	2.1	0.90	mg/L			08/20/26 05:53	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.0017	J	0.0020	0.0012	mg/L		06/11/26 22:06	06/12/26 12:02	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.032		0.0021	0.00057	mg/L		06/22/26 00:30	06/22/26 09:51	1
Nickel	0.011		0.0010	0.00041	mg/L		06/22/26 00:30	06/22/26 09:51	1
Manganese	ND		0.0021	0.0013	mg/L		06/22/26 00:30	06/22/26 09:51	1
Calcium	39		0.10	0.052	mg/L		06/22/26 00:30	06/22/26 09:51	1
Magnesium	12		0.052	0.016	mg/L		06/22/26 00:30	06/22/26 09:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (EPA 218.6 CR3)	ND	!	10	5.0	ug/L			08/19/26 16:37	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: SW-9

Lab Sample ID: 410-287459-8

Date Collected: 06/08/26 10:50

Matrix: Water

Date Received: 06/08/26 18:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/18/26 15:52	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/18/26 15:52	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/18/26 15:52	1
Styrene	ND		5.0	0.30	ug/L			06/18/26 15:52	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 15:52	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/18/26 15:52	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/18/26 15:52	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/18/26 15:52	1
Methylcyclohexane	ND	^c cn	5.0	0.50	ug/L			06/18/26 15:52	1
Toluene	ND		1.0	0.30	ug/L			06/18/26 15:52	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/18/26 15:52	1
Cyclohexane	ND		5.0	1.0	ug/L			06/18/26 15:52	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 15:52	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/18/26 15:52	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/18/26 15:52	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/18/26 15:52	1
cis-1,2-Dichloroethene	1.5		1.0	0.30	ug/L			06/18/26 15:52	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/18/26 15:52	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/18/26 15:52	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/18/26 15:52	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/18/26 15:52	1
2-Hexanone	ND		10	0.85	ug/L			06/18/26 15:52	1
Acetone	3.1	J	20	0.70	ug/L			06/18/26 15:52	1
Chloroform	ND		1.0	0.30	ug/L			06/18/26 15:52	1
Benzene	ND		1.0	0.30	ug/L			06/18/26 15:52	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/18/26 15:52	1
Bromomethane	ND		1.0	0.30	ug/L			06/18/26 15:52	1
Chloromethane	ND		2.0	0.55	ug/L			06/18/26 15:52	1
Chloroethane	ND		1.0	0.30	ug/L			06/18/26 15:52	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/18/26 15:52	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/18/26 15:52	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/18/26 15:52	1
Bromoform	ND		4.0	1.0	ug/L			06/18/26 15:52	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/18/26 15:52	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/18/26 15:52	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/18/26 15:52	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/18/26 15:52	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/18/26 15:52	1
Freon 113	ND	^c cn	10	0.30	ug/L			06/18/26 15:52	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/18/26 15:52	1
2-Butanone	ND		10	1.0	ug/L			06/18/26 15:52	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/18/26 15:52	1
Trichloroethene	0.59	J	1.0	0.30	ug/L			06/18/26 15:52	1
Methyl acetate	ND		5.0	0.60	ug/L			06/18/26 15:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/18/26 15:52	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/18/26 15:52	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/18/26 15:52	1
Isopropylbenzene	ND	^c cn	5.0	0.30	ug/L			06/18/26 15:52	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: SW-9

Lab Sample ID: 410-287459-8

Date Collected: 06/08/26 10:50

Matrix: Water

Date Received: 06/08/26 18:35

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		06/18/26 15:52	1
Dibromofluoromethane (Surr)	103		80 - 120		06/18/26 15:52	1
4-Bromofluorobenzene (Surr)	98		80 - 120		06/18/26 15:52	1
Toluene-d8 (Surr)	104		80 - 120		06/18/26 15:52	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.028	cn	0.010	0.0050	mg/L			06/18/26 09:51	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	1.8		0.20	0.10	mg/L			06/19/26 18:28	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	13		2.9	0.79	ng/L		06/17/26 09:53	06/18/26 03:53	1
Perfluoropentanoic acid (PFPeA)	32		1.4	0.43	ng/L		06/17/26 09:53	06/18/26 03:53	1
Perfluorohexanoic acid (PFHxA)	23		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 03:53	1
Perfluoroheptanoic acid (PFHpA)	13		1.4	0.57	ng/L		06/17/26 09:53	06/18/26 03:53	1
Perfluorooctanoic acid (PFOA)	15		1.4	0.64	ng/L		06/17/26 09:53	06/18/26 03:53	1
Perfluorononanoic acid (PFNA)	4.5		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 03:53	1
Perfluorodecanoic acid (PFDA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 03:53	1
Perfluoroundecanoic acid (PFUnA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 03:53	1
Perfluorododecanoic acid (PFDoA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 03:53	1
Perfluorotridecanoic acid (PFTTrDA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 03:53	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 03:53	1
Perfluorobutanesulfonic acid (PFBS)	3.3		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 03:53	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 03:53	1
Perfluorohexanesulfonic acid (PFHxS)	2.2		1.4	0.57	ng/L		06/17/26 09:53	06/18/26 03:53	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 03:53	1
Perfluorooctanesulfonic acid (PFOS)	5.1		1.4	0.93	ng/L		06/17/26 09:53	06/18/26 03:53	1
Perfluorononanesulfonic acid (PFNS)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 03:53	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 03:53	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.4	0.43	ng/L		06/17/26 09:53	06/18/26 03:53	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.9	0.71	ng/L		06/17/26 09:53	06/18/26 03:53	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	9.2		2.9	0.71	ng/L		06/17/26 09:53	06/18/26 03:53	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		2.9	0.71	ng/L		06/17/26 09:53	06/18/26 03:53	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 03:53	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 03:53	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.4	0.79	ng/L		06/17/26 09:53	06/18/26 03:53	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 03:53	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: SW-9

Lab Sample ID: 410-287459-8

Date Collected: 06/08/26 10:50

Matrix: Water

Date Received: 06/08/26 18:35

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 03:53	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		7.1	2.9	ng/L		06/17/26 09:53	06/18/26 03:53	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		7.1	2.9	ng/L		06/17/26 09:53	06/18/26 03:53	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.4	1.0	ng/L		06/17/26 09:53	06/18/26 03:53	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 03:53	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 03:53	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 03:53	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 03:53	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 03:53	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 03:53	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 03:53	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		2.9	0.71	ng/L		06/17/26 09:53	06/18/26 03:53	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		7.1	2.0	ng/L		06/17/26 09:53	06/18/26 03:53	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND	B cn	7.1	1.8	ng/L		06/17/26 09:53	06/18/26 03:53	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	90.4		5 - 130	06/17/26 09:53	06/18/26 03:53	1
13C5 PFPeA	96.1		40 - 130	06/17/26 09:53	06/18/26 03:53	1
13C5 PFHxA	88.7		40 - 130	06/17/26 09:53	06/18/26 03:53	1
13C4 PFHpA	95.6		40 - 130	06/17/26 09:53	06/18/26 03:53	1
13C8 PFOA	88.5		40 - 130	06/17/26 09:53	06/18/26 03:53	1
13C9 PFNA	86.0		40 - 130	06/17/26 09:53	06/18/26 03:53	1
13C6 PFDA	77.7		40 - 130	06/17/26 09:53	06/18/26 03:53	1
13C7 PFUnA	67.4		30 - 130	06/17/26 09:53	06/18/26 03:53	1
13C2 PFTeDA	45.0	^c cn	10 - 130	06/17/26 09:53	06/18/26 03:53	1
13C3 PFBS	85.8		40 - 135	06/17/26 09:53	06/18/26 03:53	1
13C3 PFHxS	77.2		40 - 130	06/17/26 09:53	06/18/26 03:53	1
13C8 PFOS	85.1		40 - 130	06/17/26 09:53	06/18/26 03:53	1
13C8 FOSA	73.7		40 - 130	06/17/26 09:53	06/18/26 03:53	1
d3-NMeFOSAA	69.0		40 - 170	06/17/26 09:53	06/18/26 03:53	1
d5-NEtFOSAA	69.7		25 - 135	06/17/26 09:53	06/18/26 03:53	1
13C2 4:2 FTS	79.2		40 - 200	06/17/26 09:53	06/18/26 03:53	1
13C2 6:2 FTS	79.9		40 - 200	06/17/26 09:53	06/18/26 03:53	1
13C2 8:2 FTS	58.5	^c cn	40 - 300	06/17/26 09:53	06/18/26 03:53	1
13C3 HFPO-DA	87.0		40 - 130	06/17/26 09:53	06/18/26 03:53	1
d7-N-MeFOSE-M	55.1		10 - 130	06/17/26 09:53	06/18/26 03:53	1
d9-N-EtFOSE-M	52.2		10 - 130	06/17/26 09:53	06/18/26 03:53	1
d5-NEtPFOSA	54.5		10 - 130	06/17/26 09:53	06/18/26 03:53	1
d3-NMePFOSA	59.7		10 - 130	06/17/26 09:53	06/18/26 03:53	1
13C2 PFDoA	65.2		10 - 130	06/17/26 09:53	06/18/26 03:53	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: SW-9

Lab Sample ID: 410-287459-8

Date Collected: 06/08/26 10:50

Matrix: Water

Date Received: 06/08/26 18:35

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-3:3 FTCA	93.6		20 - 150	06/17/26 09:53	06/18/26 03:53	1
13C3-5:3 FTCA	101		20 - 150	06/17/26 09:53	06/18/26 03:53	1
13C3-PFDoS	37.0	^c cn	20 - 150	06/17/26 09:53	06/18/26 03:53	1

Method: SM 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	150	!	2.1	0.90	mg/L			08/20/26 05:53	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.0016	J	0.0020	0.0012	mg/L		06/11/26 22:06	06/12/26 12:04	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.030		0.0021	0.00057	mg/L		06/22/26 00:30	06/22/26 09:20	1
Nickel	0.0097		0.0010	0.00041	mg/L		06/22/26 00:30	06/22/26 09:20	1
Manganese	0.0015	J	0.0021	0.0013	mg/L		06/22/26 00:30	06/22/26 09:20	1
Calcium	39	4	0.10	0.052	mg/L		06/22/26 00:30	06/22/26 09:20	1
Magnesium	12		0.052	0.016	mg/L		06/22/26 00:30	06/22/26 09:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (EPA 218.6 CR3)	ND	!	10	5.0	ug/L			08/19/26 16:37	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: SW-10

Lab Sample ID: 410-287459-9

Date Collected: 06/08/26 10:25

Matrix: Water

Date Received: 06/08/26 18:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/18/26 16:15	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/18/26 16:15	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/18/26 16:15	1
Styrene	ND		5.0	0.30	ug/L			06/18/26 16:15	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 16:15	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/18/26 16:15	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/18/26 16:15	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/18/26 16:15	1
Methylcyclohexane	ND	^c cn	5.0	0.50	ug/L			06/18/26 16:15	1
Toluene	ND		1.0	0.30	ug/L			06/18/26 16:15	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/18/26 16:15	1
Cyclohexane	ND		5.0	1.0	ug/L			06/18/26 16:15	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 16:15	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/18/26 16:15	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/18/26 16:15	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/18/26 16:15	1
cis-1,2-Dichloroethene	0.45	J	1.0	0.30	ug/L			06/18/26 16:15	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/18/26 16:15	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/18/26 16:15	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/18/26 16:15	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/18/26 16:15	1
2-Hexanone	ND		10	0.85	ug/L			06/18/26 16:15	1
Acetone	ND		20	0.70	ug/L			06/18/26 16:15	1
Chloroform	ND		1.0	0.30	ug/L			06/18/26 16:15	1
Benzene	ND		1.0	0.30	ug/L			06/18/26 16:15	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/18/26 16:15	1
Bromomethane	ND		1.0	0.30	ug/L			06/18/26 16:15	1
Chloromethane	ND		2.0	0.55	ug/L			06/18/26 16:15	1
Chloroethane	ND		1.0	0.30	ug/L			06/18/26 16:15	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/18/26 16:15	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/18/26 16:15	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/18/26 16:15	1
Bromoform	ND		4.0	1.0	ug/L			06/18/26 16:15	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/18/26 16:15	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/18/26 16:15	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/18/26 16:15	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/18/26 16:15	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/18/26 16:15	1
Freon 113	ND	^c cn	10	0.30	ug/L			06/18/26 16:15	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/18/26 16:15	1
2-Butanone	ND		10	1.0	ug/L			06/18/26 16:15	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/18/26 16:15	1
Trichloroethene	ND		1.0	0.30	ug/L			06/18/26 16:15	1
Methyl acetate	ND		5.0	0.60	ug/L			06/18/26 16:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/18/26 16:15	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/18/26 16:15	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/18/26 16:15	1
Isopropylbenzene	ND	^c cn	5.0	0.30	ug/L			06/18/26 16:15	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: SW-10

Lab Sample ID: 410-287459-9

Date Collected: 06/08/26 10:25

Matrix: Water

Date Received: 06/08/26 18:35

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		06/18/26 16:15	1
Dibromofluoromethane (Surr)	102		80 - 120		06/18/26 16:15	1
4-Bromofluorobenzene (Surr)	98		80 - 120		06/18/26 16:15	1
Toluene-d8 (Surr)	103		80 - 120		06/18/26 16:15	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.023	cn	0.010	0.0050	mg/L			06/18/26 09:28	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	1.7		0.20	0.10	mg/L			06/19/26 21:16	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	13		3.0	0.82	ng/L		06/17/26 09:53	06/18/26 04:07	1
Perfluoropentanoic acid (PFPeA)	32		1.5	0.45	ng/L		06/17/26 09:53	06/18/26 04:07	1
Perfluorohexanoic acid (PFHxA)	20		1.5	0.37	ng/L		06/17/26 09:53	06/18/26 04:07	1
Perfluoroheptanoic acid (PFHpA)	13		1.5	0.59	ng/L		06/17/26 09:53	06/18/26 04:07	1
Perfluorooctanoic acid (PFOA)	14		1.5	0.67	ng/L		06/17/26 09:53	06/18/26 04:07	1
Perfluorononanoic acid (PFNA)	3.9		1.5	0.37	ng/L		06/17/26 09:53	06/18/26 04:07	1
Perfluorodecanoic acid (PFDA)	ND		1.5	0.37	ng/L		06/17/26 09:53	06/18/26 04:07	1
Perfluoroundecanoic acid (PFUnA)	ND		1.5	0.37	ng/L		06/17/26 09:53	06/18/26 04:07	1
Perfluorododecanoic acid (PFDoA)	ND		1.5	0.37	ng/L		06/17/26 09:53	06/18/26 04:07	1
Perfluorotridecanoic acid (PFTTrDA)	ND		1.5	0.37	ng/L		06/17/26 09:53	06/18/26 04:07	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.5	0.37	ng/L		06/17/26 09:53	06/18/26 04:07	1
Perfluorobutanesulfonic acid (PFBS)	3.6		1.5	0.37	ng/L		06/17/26 09:53	06/18/26 04:07	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.5	0.37	ng/L		06/17/26 09:53	06/18/26 04:07	1
Perfluorohexanesulfonic acid (PFHxS)	2.1		1.5	0.59	ng/L		06/17/26 09:53	06/18/26 04:07	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.5	0.37	ng/L		06/17/26 09:53	06/18/26 04:07	1
Perfluorooctanesulfonic acid (PFOS)	5.2	I cn	1.5	0.97	ng/L		06/17/26 09:53	06/18/26 04:07	1
Perfluorononanesulfonic acid (PFNS)	ND		1.5	0.37	ng/L		06/17/26 09:53	06/18/26 04:07	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.5	0.37	ng/L		06/17/26 09:53	06/18/26 04:07	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.5	0.45	ng/L		06/17/26 09:53	06/18/26 04:07	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.0	0.74	ng/L		06/17/26 09:53	06/18/26 04:07	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	3.6		3.0	0.74	ng/L		06/17/26 09:53	06/18/26 04:07	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.0	0.74	ng/L		06/17/26 09:53	06/18/26 04:07	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.5	0.37	ng/L		06/17/26 09:53	06/18/26 04:07	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.5	0.37	ng/L		06/17/26 09:53	06/18/26 04:07	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.5	0.82	ng/L		06/17/26 09:53	06/18/26 04:07	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.5	0.37	ng/L		06/17/26 09:53	06/18/26 04:07	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: SW-10

Lab Sample ID: 410-287459-9

Date Collected: 06/08/26 10:25

Matrix: Water

Date Received: 06/08/26 18:35

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.5	0.37	ng/L		06/17/26 09:53	06/18/26 04:07	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		7.4	3.0	ng/L		06/17/26 09:53	06/18/26 04:07	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		7.4	3.0	ng/L		06/17/26 09:53	06/18/26 04:07	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.5	1.0	ng/L		06/17/26 09:53	06/18/26 04:07	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.5	0.37	ng/L		06/17/26 09:53	06/18/26 04:07	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.5	0.37	ng/L		06/17/26 09:53	06/18/26 04:07	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.5	0.37	ng/L		06/17/26 09:53	06/18/26 04:07	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.5	0.37	ng/L		06/17/26 09:53	06/18/26 04:07	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.5	0.37	ng/L		06/17/26 09:53	06/18/26 04:07	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.5	0.37	ng/L		06/17/26 09:53	06/18/26 04:07	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.5	0.37	ng/L		06/17/26 09:53	06/18/26 04:07	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.0	0.74	ng/L		06/17/26 09:53	06/18/26 04:07	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		7.4	2.1	ng/L		06/17/26 09:53	06/18/26 04:07	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND	B cn	7.4	1.9	ng/L		06/17/26 09:53	06/18/26 04:07	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	91.1		5 - 130	06/17/26 09:53	06/18/26 04:07	1
13C5 PFPeA	93.5		40 - 130	06/17/26 09:53	06/18/26 04:07	1
13C5 PFHxA	91.5		40 - 130	06/17/26 09:53	06/18/26 04:07	1
13C4 PFHpA	92.9		40 - 130	06/17/26 09:53	06/18/26 04:07	1
13C8 PFOA	87.9		40 - 130	06/17/26 09:53	06/18/26 04:07	1
13C9 PFNA	85.0		40 - 130	06/17/26 09:53	06/18/26 04:07	1
13C6 PFDA	80.9		40 - 130	06/17/26 09:53	06/18/26 04:07	1
13C7 PFUnA	83.1		30 - 130	06/17/26 09:53	06/18/26 04:07	1
13C2 PFTeDA	47.6	^c cn	10 - 130	06/17/26 09:53	06/18/26 04:07	1
13C3 PFBS	79.6		40 - 135	06/17/26 09:53	06/18/26 04:07	1
13C3 PFHxS	79.4		40 - 130	06/17/26 09:53	06/18/26 04:07	1
13C8 PFOS	88.2		40 - 130	06/17/26 09:53	06/18/26 04:07	1
13C8 FOSA	84.9		40 - 130	06/17/26 09:53	06/18/26 04:07	1
d3-NMeFOSAA	77.2		40 - 170	06/17/26 09:53	06/18/26 04:07	1
d5-NEtFOSAA	74.2		25 - 135	06/17/26 09:53	06/18/26 04:07	1
13C2 4:2 FTS	78.9		40 - 200	06/17/26 09:53	06/18/26 04:07	1
13C2 6:2 FTS	77.0		40 - 200	06/17/26 09:53	06/18/26 04:07	1
13C2 8:2 FTS	63.0	^c cn	40 - 300	06/17/26 09:53	06/18/26 04:07	1
13C3 HFPO-DA	82.6		40 - 130	06/17/26 09:53	06/18/26 04:07	1
d7-N-MeFOSE-M	63.7		10 - 130	06/17/26 09:53	06/18/26 04:07	1
d9-N-EtFOSE-M	59.2		10 - 130	06/17/26 09:53	06/18/26 04:07	1
d5-NEtPFOSA	59.8		10 - 130	06/17/26 09:53	06/18/26 04:07	1
d3-NMePFOSA	67.6		10 - 130	06/17/26 09:53	06/18/26 04:07	1
13C2 PFDoA	75.4		10 - 130	06/17/26 09:53	06/18/26 04:07	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: SW-10

Lab Sample ID: 410-287459-9

Date Collected: 06/08/26 10:25

Matrix: Water

Date Received: 06/08/26 18:35

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-3:3 FTCA	94.6		20 - 150	06/17/26 09:53	06/18/26 04:07	1
13C3-5:3 FTCA	103		20 - 150	06/17/26 09:53	06/18/26 04:07	1
13C3-PFDoS	39.4	^c cn	20 - 150	06/17/26 09:53	06/18/26 04:07	1

Method: SM 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	190	!	2.1	0.90	mg/L			08/20/26 05:53	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.0063		0.0020	0.0012	mg/L		06/15/26 08:00	06/16/26 11:54	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.026		0.0021	0.00057	mg/L		06/15/26 12:57	06/16/26 13:25	1
Nickel	0.0069		0.0010	0.00041	mg/L		06/15/26 12:57	06/16/26 13:25	1
Manganese	0.0045		0.0021	0.0013	mg/L		06/15/26 12:57	06/16/26 16:35	1
Calcium	38		0.10	0.052	mg/L		06/15/26 12:57	06/16/26 13:25	1
Magnesium	12		0.052	0.016	mg/L		06/15/26 12:57	06/16/26 13:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (EPA 218.6 CR3)	ND	!	10	5.0	ug/L			08/19/26 16:37	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: Duplicte SW

Lab Sample ID: 410-287459-10

Date Collected: 06/08/26 09:55

Matrix: Water

Date Received: 06/08/26 18:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/18/26 16:38	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/18/26 16:38	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/18/26 16:38	1
Styrene	ND		5.0	0.30	ug/L			06/18/26 16:38	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 16:38	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/18/26 16:38	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/18/26 16:38	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/18/26 16:38	1
Methylcyclohexane	ND	^c cn	5.0	0.50	ug/L			06/18/26 16:38	1
Toluene	ND		1.0	0.30	ug/L			06/18/26 16:38	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/18/26 16:38	1
Cyclohexane	ND		5.0	1.0	ug/L			06/18/26 16:38	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 16:38	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/18/26 16:38	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/18/26 16:38	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/18/26 16:38	1
cis-1,2-Dichloroethene	3.9		1.0	0.30	ug/L			06/18/26 16:38	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/18/26 16:38	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/18/26 16:38	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/18/26 16:38	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/18/26 16:38	1
2-Hexanone	ND		10	0.85	ug/L			06/18/26 16:38	1
Acetone	3.4 J		20	0.70	ug/L			06/18/26 16:38	1
Chloroform	ND		1.0	0.30	ug/L			06/18/26 16:38	1
Benzene	ND		1.0	0.30	ug/L			06/18/26 16:38	1
1,1,1-Trichloroethane	2.2		1.0	0.30	ug/L			06/18/26 16:38	1
Bromomethane	ND		1.0	0.30	ug/L			06/18/26 16:38	1
Chloromethane	ND		2.0	0.55	ug/L			06/18/26 16:38	1
Chloroethane	ND		1.0	0.30	ug/L			06/18/26 16:38	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/18/26 16:38	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/18/26 16:38	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/18/26 16:38	1
Bromoform	ND		4.0	1.0	ug/L			06/18/26 16:38	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/18/26 16:38	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/18/26 16:38	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/18/26 16:38	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/18/26 16:38	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/18/26 16:38	1
Freon 113	ND	^c cn	10	0.30	ug/L			06/18/26 16:38	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/18/26 16:38	1
2-Butanone	ND		10	1.0	ug/L			06/18/26 16:38	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/18/26 16:38	1
Trichloroethene	2.8		1.0	0.30	ug/L			06/18/26 16:38	1
Methyl acetate	ND		5.0	0.60	ug/L			06/18/26 16:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/18/26 16:38	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/18/26 16:38	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/18/26 16:38	1
Isopropylbenzene	ND	^c cn	5.0	0.30	ug/L			06/18/26 16:38	1

Euofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: Duplicte SW

Lab Sample ID: 410-287459-10

Date Collected: 06/08/26 09:55

Matrix: Water

Date Received: 06/08/26 18:35

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120		06/18/26 16:38	1
Dibromofluoromethane (Surr)	101		80 - 120		06/18/26 16:38	1
4-Bromofluorobenzene (Surr)	98		80 - 120		06/18/26 16:38	1
Toluene-d8 (Surr)	102		80 - 120		06/18/26 16:38	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.031	cn	0.010	0.0050	mg/L			06/18/26 09:59	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	1.8		0.20	0.10	mg/L			06/19/26 17:35	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	13		2.9	0.79	ng/L		06/17/26 09:53	06/18/26 04:20	1
Perfluoropentanoic acid (PFPeA)	31		1.4	0.43	ng/L		06/17/26 09:53	06/18/26 04:20	1
Perfluorohexanoic acid (PFHxA)	22		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 04:20	1
Perfluoroheptanoic acid (PFHpA)	14		1.4	0.58	ng/L		06/17/26 09:53	06/18/26 04:20	1
Perfluorooctanoic acid (PFOA)	16		1.4	0.65	ng/L		06/17/26 09:53	06/18/26 04:20	1
Perfluorononanoic acid (PFNA)	4.2		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 04:20	1
Perfluorodecanoic acid (PFDA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 04:20	1
Perfluoroundecanoic acid (PFUnA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 04:20	1
Perfluorododecanoic acid (PFDoA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 04:20	1
Perfluorotridecanoic acid (PFTTrDA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 04:20	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 04:20	1
Perfluorobutanesulfonic acid (PFBS)	3.1		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 04:20	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 04:20	1
Perfluorohexanesulfonic acid (PFHxS)	2.1		1.4	0.58	ng/L		06/17/26 09:53	06/18/26 04:20	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 04:20	1
Perfluorooctanesulfonic acid (PFOS)	4.3		1.4	0.94	ng/L		06/17/26 09:53	06/18/26 04:20	1
Perfluorononanesulfonic acid (PFNS)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 04:20	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 04:20	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.4	0.43	ng/L		06/17/26 09:53	06/18/26 04:20	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		2.9	0.72	ng/L		06/17/26 09:53	06/18/26 04:20	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	13		2.9	0.72	ng/L		06/17/26 09:53	06/18/26 04:20	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND	cn	2.9	0.72	ng/L		06/17/26 09:53	06/18/26 04:20	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 04:20	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 04:20	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.4	0.79	ng/L		06/17/26 09:53	06/18/26 04:20	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 04:20	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: Duplicte SW

Lab Sample ID: 410-287459-10

Date Collected: 06/08/26 09:55

Matrix: Water

Date Received: 06/08/26 18:35

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 04:20	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		7.2	2.9	ng/L		06/17/26 09:53	06/18/26 04:20	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		7.2	2.9	ng/L		06/17/26 09:53	06/18/26 04:20	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.4	1.0	ng/L		06/17/26 09:53	06/18/26 04:20	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 04:20	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 04:20	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 04:20	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 04:20	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 04:20	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 04:20	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.4	0.36	ng/L		06/17/26 09:53	06/18/26 04:20	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		2.9	0.72	ng/L		06/17/26 09:53	06/18/26 04:20	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		7.2	2.0	ng/L		06/17/26 09:53	06/18/26 04:20	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND	B cn	7.2	1.8	ng/L		06/17/26 09:53	06/18/26 04:20	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	89.9		5 - 130	06/17/26 09:53	06/18/26 04:20	1
13C5 PFPeA	95.0		40 - 130	06/17/26 09:53	06/18/26 04:20	1
13C5 PFHxA	91.2		40 - 130	06/17/26 09:53	06/18/26 04:20	1
13C4 PFHpA	92.1		40 - 130	06/17/26 09:53	06/18/26 04:20	1
13C8 PFOA	90.0		40 - 130	06/17/26 09:53	06/18/26 04:20	1
13C9 PFNA	87.3		40 - 130	06/17/26 09:53	06/18/26 04:20	1
13C6 PFDA	79.5		40 - 130	06/17/26 09:53	06/18/26 04:20	1
13C7 PFUnA	76.6		30 - 130	06/17/26 09:53	06/18/26 04:20	1
13C2 PFTeDA	47.2	^c cn	10 - 130	06/17/26 09:53	06/18/26 04:20	1
13C3 PFBS	85.9		40 - 135	06/17/26 09:53	06/18/26 04:20	1
13C3 PFHxS	79.9		40 - 130	06/17/26 09:53	06/18/26 04:20	1
13C8 PFOS	84.8		40 - 130	06/17/26 09:53	06/18/26 04:20	1
13C8 FOSA	81.9		40 - 130	06/17/26 09:53	06/18/26 04:20	1
d3-NMeFOSAA	71.6		40 - 170	06/17/26 09:53	06/18/26 04:20	1
d5-NEtFOSAA	68.0		25 - 135	06/17/26 09:53	06/18/26 04:20	1
13C2 4:2 FTS	84.2		40 - 200	06/17/26 09:53	06/18/26 04:20	1
13C2 6:2 FTS	83.3		40 - 200	06/17/26 09:53	06/18/26 04:20	1
13C2 8:2 FTS	58.7	^c cn	40 - 300	06/17/26 09:53	06/18/26 04:20	1
13C3 HFPO-DA	92.0		40 - 130	06/17/26 09:53	06/18/26 04:20	1
d7-N-MeFOSE-M	59.6		10 - 130	06/17/26 09:53	06/18/26 04:20	1
d9-N-EtFOSE-M	59.1		10 - 130	06/17/26 09:53	06/18/26 04:20	1
d5-NEtPFOSA	59.9		10 - 130	06/17/26 09:53	06/18/26 04:20	1
d3-NMePFOSA	67.9		10 - 130	06/17/26 09:53	06/18/26 04:20	1
13C2 PFDoA	71.4		10 - 130	06/17/26 09:53	06/18/26 04:20	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: Duplicte SW

Lab Sample ID: 410-287459-10

Date Collected: 06/08/26 09:55

Matrix: Water

Date Received: 06/08/26 18:35

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-3:3 FTCA	99.2		20 - 150	06/17/26 09:53	06/18/26 04:20	1
13C3-5:3 FTCA	103		20 - 150	06/17/26 09:53	06/18/26 04:20	1
13C3-PFDoS	37.6	^c cn	20 - 150	06/17/26 09:53	06/18/26 04:20	1

Method: SM 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	170	!	2.1	0.90	mg/L			08/20/26 05:53	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.010		0.0020	0.0012	mg/L		06/11/26 22:06	06/12/26 12:05	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.033		0.0021	0.00057	mg/L		06/22/26 00:30	06/22/26 09:54	1
Nickel	0.017		0.0010	0.00041	mg/L		06/22/26 00:30	06/22/26 09:54	1
Manganese	0.010		0.0021	0.0013	mg/L		06/22/26 00:30	06/22/26 09:54	1
Calcium	33		0.10	0.052	mg/L		06/22/26 00:30	06/22/26 09:54	1
Magnesium	11		0.052	0.016	mg/L		06/22/26 00:30	06/22/26 09:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (EPA 218.6 CR3)	ND	!	10	5.0	ug/L			08/19/26 16:37	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: Field Blank SW

Lab Sample ID: 410-287459-11

Date Collected: 06/08/26 15:00

Matrix: Water

Date Received: 06/08/26 18:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/18/26 11:41	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/18/26 11:41	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/18/26 11:41	1
Styrene	ND		5.0	0.30	ug/L			06/18/26 11:41	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 11:41	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/18/26 11:41	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/18/26 11:41	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/18/26 11:41	1
Methylcyclohexane	ND	^c cn	5.0	0.50	ug/L			06/18/26 11:41	1
Toluene	ND		1.0	0.30	ug/L			06/18/26 11:41	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/18/26 11:41	1
Cyclohexane	ND		5.0	1.0	ug/L			06/18/26 11:41	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 11:41	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/18/26 11:41	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/18/26 11:41	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/18/26 11:41	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/18/26 11:41	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/18/26 11:41	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/18/26 11:41	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/18/26 11:41	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/18/26 11:41	1
2-Hexanone	ND		10	0.85	ug/L			06/18/26 11:41	1
Acetone	7.3	J	20	0.70	ug/L			06/18/26 11:41	1
Chloroform	1.3		1.0	0.30	ug/L			06/18/26 11:41	1
Benzene	ND		1.0	0.30	ug/L			06/18/26 11:41	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/18/26 11:41	1
Bromomethane	ND		1.0	0.30	ug/L			06/18/26 11:41	1
Chloromethane	ND		2.0	0.55	ug/L			06/18/26 11:41	1
Chloroethane	ND		1.0	0.30	ug/L			06/18/26 11:41	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/18/26 11:41	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/18/26 11:41	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/18/26 11:41	1
Bromoform	ND		4.0	1.0	ug/L			06/18/26 11:41	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/18/26 11:41	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/18/26 11:41	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/18/26 11:41	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/18/26 11:41	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/18/26 11:41	1
Freon 113	ND	^c cn	10	0.30	ug/L			06/18/26 11:41	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/18/26 11:41	1
2-Butanone	ND		10	1.0	ug/L			06/18/26 11:41	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/18/26 11:41	1
Trichloroethene	ND		1.0	0.30	ug/L			06/18/26 11:41	1
Methyl acetate	ND		5.0	0.60	ug/L			06/18/26 11:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/18/26 11:41	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/18/26 11:41	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/18/26 11:41	1
Isopropylbenzene	ND	^c cn	5.0	0.30	ug/L			06/18/26 11:41	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: Field Blank SW

Lab Sample ID: 410-287459-11

Date Collected: 06/08/26 15:00

Matrix: Water

Date Received: 06/08/26 18:35

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		06/18/26 11:41	1
Dibromofluoromethane (Surr)	101		80 - 120		06/18/26 11:41	1
4-Bromofluorobenzene (Surr)	99		80 - 120		06/18/26 11:41	1
Toluene-d8 (Surr)	102		80 - 120		06/18/26 11:41	1

Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND	^+ cn	0.010	0.0050	mg/L			06/10/26 19:58	1

Method: SW846 9056A - Anions, Ion Chromatography - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20	0.10	mg/L			06/19/26 22:43	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		3.2	0.88	ng/L		06/17/26 09:53	06/18/26 05:01	1
Perfluoropentanoic acid (PFPeA)	ND		1.6	0.48	ng/L		06/17/26 09:53	06/18/26 05:01	1
Perfluorohexanoic acid (PFHxA)	ND		1.6	0.40	ng/L		06/17/26 09:53	06/18/26 05:01	1
Perfluoroheptanoic acid (PFHpA)	ND		1.6	0.64	ng/L		06/17/26 09:53	06/18/26 05:01	1
Perfluorooctanoic acid (PFOA)	ND		1.6	0.72	ng/L		06/17/26 09:53	06/18/26 05:01	1
Perfluorononanoic acid (PFNA)	ND		1.6	0.40	ng/L		06/17/26 09:53	06/18/26 05:01	1
Perfluorodecanoic acid (PFDA)	ND		1.6	0.40	ng/L		06/17/26 09:53	06/18/26 05:01	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.40	ng/L		06/17/26 09:53	06/18/26 05:01	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.40	ng/L		06/17/26 09:53	06/18/26 05:01	1
Perfluorotridecanoic acid (PFTTrDA)	ND		1.6	0.40	ng/L		06/17/26 09:53	06/18/26 05:01	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.6	0.40	ng/L		06/17/26 09:53	06/18/26 05:01	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.6	0.40	ng/L		06/17/26 09:53	06/18/26 05:01	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.6	0.40	ng/L		06/17/26 09:53	06/18/26 05:01	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.6	0.64	ng/L		06/17/26 09:53	06/18/26 05:01	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.6	0.40	ng/L		06/17/26 09:53	06/18/26 05:01	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.6	1.0	ng/L		06/17/26 09:53	06/18/26 05:01	1
Perfluorononanesulfonic acid (PFNS)	ND		1.6	0.40	ng/L		06/17/26 09:53	06/18/26 05:01	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.40	ng/L		06/17/26 09:53	06/18/26 05:01	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.6	0.48	ng/L		06/17/26 09:53	06/18/26 05:01	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.2	0.80	ng/L		06/17/26 09:53	06/18/26 05:01	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.91	J cn	3.2	0.80	ng/L		06/17/26 09:53	06/18/26 05:01	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.2	0.80	ng/L		06/17/26 09:53	06/18/26 05:01	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.6	0.40	ng/L		06/17/26 09:53	06/18/26 05:01	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.6	0.40	ng/L		06/17/26 09:53	06/18/26 05:01	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.6	0.88	ng/L		06/17/26 09:53	06/18/26 05:01	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.6	0.40	ng/L		06/17/26 09:53	06/18/26 05:01	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.6	0.40	ng/L		06/17/26 09:53	06/18/26 05:01	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: Field Blank SW

Lab Sample ID: 410-287459-11

Date Collected: 06/08/26 15:00

Matrix: Water

Date Received: 06/08/26 18:35

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.0	3.2	ng/L		06/17/26 09:53	06/18/26 05:01	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.0	3.2	ng/L		06/17/26 09:53	06/18/26 05:01	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.6	1.1	ng/L		06/17/26 09:53	06/18/26 05:01	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.6	0.40	ng/L		06/17/26 09:53	06/18/26 05:01	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.6	0.40	ng/L		06/17/26 09:53	06/18/26 05:01	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.6	0.40	ng/L		06/17/26 09:53	06/18/26 05:01	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		1.6	0.40	ng/L		06/17/26 09:53	06/18/26 05:01	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid (9Cl-PF3ONS)	ND		1.6	0.40	ng/L		06/17/26 09:53	06/18/26 05:01	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.6	0.40	ng/L		06/17/26 09:53	06/18/26 05:01	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		1.6	0.40	ng/L		06/17/26 09:53	06/18/26 05:01	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.2	0.80	ng/L		06/17/26 09:53	06/18/26 05:01	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		8.0	2.2	ng/L		06/17/26 09:53	06/18/26 05:01	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND	B cn	8.0	2.0	ng/L		06/17/26 09:53	06/18/26 05:01	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	92.3		5 - 130	06/17/26 09:53	06/18/26 05:01	1
13C5 PFPeA	91.6		40 - 130	06/17/26 09:53	06/18/26 05:01	1
13C5 PFHxA	88.6		40 - 130	06/17/26 09:53	06/18/26 05:01	1
13C4 PFHpA	91.2		40 - 130	06/17/26 09:53	06/18/26 05:01	1
13C8 PFOA	90.9		40 - 130	06/17/26 09:53	06/18/26 05:01	1
13C9 PFNA	87.2		40 - 130	06/17/26 09:53	06/18/26 05:01	1
13C6 PFDA	83.7		40 - 130	06/17/26 09:53	06/18/26 05:01	1
13C7 PFUnA	77.1		30 - 130	06/17/26 09:53	06/18/26 05:01	1
13C2 PFTeDA	51.7	^c cn	10 - 130	06/17/26 09:53	06/18/26 05:01	1
13C3 PFBS	86.1		40 - 135	06/17/26 09:53	06/18/26 05:01	1
13C3 PFHxS	78.5		40 - 130	06/17/26 09:53	06/18/26 05:01	1
13C8 PFOS	87.6		40 - 130	06/17/26 09:53	06/18/26 05:01	1
13C8 FOSA	81.6		40 - 130	06/17/26 09:53	06/18/26 05:01	1
d3-NMeFOSAA	75.9		40 - 170	06/17/26 09:53	06/18/26 05:01	1
d5-NEtFOSAA	72.9		25 - 135	06/17/26 09:53	06/18/26 05:01	1
13C2 4:2 FTS	77.6		40 - 200	06/17/26 09:53	06/18/26 05:01	1
13C2 6:2 FTS	79.5		40 - 200	06/17/26 09:53	06/18/26 05:01	1
13C2 8:2 FTS	66.0	^c cn	40 - 300	06/17/26 09:53	06/18/26 05:01	1
13C3 HFPO-DA	85.8		40 - 130	06/17/26 09:53	06/18/26 05:01	1
d7-N-MeFOSE-M	66.4		10 - 130	06/17/26 09:53	06/18/26 05:01	1
d9-N-EtFOSE-M	68.9		10 - 130	06/17/26 09:53	06/18/26 05:01	1
d5-NEtPFOSA	60.8		10 - 130	06/17/26 09:53	06/18/26 05:01	1
d3-NMePFOSA	67.7		10 - 130	06/17/26 09:53	06/18/26 05:01	1
13C2 PFDaA	70.2		10 - 130	06/17/26 09:53	06/18/26 05:01	1
13C3-3:3 FTCA	88.8		20 - 150	06/17/26 09:53	06/18/26 05:01	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: Field Blank SW

Lab Sample ID: 410-287459-11

Date Collected: 06/08/26 15:00

Matrix: Water

Date Received: 06/08/26 18:35

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-5:3 FTCA	106		20 - 150	06/17/26 09:53	06/18/26 05:01	1
13C3-PFDoS	40.1	^c cn	20 - 150	06/17/26 09:53	06/18/26 05:01	1

Method: SM 2340B-2011 - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	ND	!	2.1	0.90	mg/L			08/20/26 05:53	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	ND		0.0020	0.0012	mg/L		06/11/26 22:06	06/12/26 12:08	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0021	0.00057	mg/L		06/22/26 00:30	06/22/26 10:26	1
Nickel	ND		0.0010	0.00041	mg/L		06/22/26 00:30	06/22/26 10:26	1
Manganese	ND		0.0021	0.0013	mg/L		06/22/26 00:30	06/22/26 10:26	1
Calcium	ND		0.10	0.052	mg/L		06/22/26 00:30	06/22/26 10:26	1
Magnesium	ND		0.052	0.016	mg/L		06/22/26 00:30	06/22/26 10:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III) (EPA 218.6 CR3)	ND	!	10	5.0	ug/L			08/19/26 16:37	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: TB060826

Lab Sample ID: 410-287459-12

Date Collected: 06/04/26 00:00

Matrix: Water

Date Received: 06/08/26 18:35

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/19/26 09:06	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/19/26 09:06	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/19/26 09:06	1
Styrene	ND		5.0	0.30	ug/L			06/19/26 09:06	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/19/26 09:06	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/19/26 09:06	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/19/26 09:06	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/19/26 09:06	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/19/26 09:06	1
Toluene	ND		1.0	0.30	ug/L			06/19/26 09:06	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/19/26 09:06	1
Cyclohexane	ND	^c cn	5.0	1.0	ug/L			06/19/26 09:06	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/19/26 09:06	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/19/26 09:06	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/19/26 09:06	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/19/26 09:06	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/19/26 09:06	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/19/26 09:06	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/19/26 09:06	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/19/26 09:06	1
Carbon tetrachloride	ND	^c cn	1.0	0.30	ug/L			06/19/26 09:06	1
2-Hexanone	ND	^c cn	10	0.85	ug/L			06/19/26 09:06	1
Acetone	ND		20	0.70	ug/L			06/19/26 09:06	1
Chloroform	ND		1.0	0.30	ug/L			06/19/26 09:06	1
Benzene	ND		1.0	0.30	ug/L			06/19/26 09:06	1
1,1,1-Trichloroethane	ND	*+	1.0	0.30	ug/L			06/19/26 09:06	1
Bromomethane	ND		1.0	0.30	ug/L			06/19/26 09:06	1
Chloromethane	ND	^c cn	2.0	0.55	ug/L			06/19/26 09:06	1
Chloroethane	ND		1.0	0.30	ug/L			06/19/26 09:06	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/19/26 09:06	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/19/26 09:06	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/19/26 09:06	1
Bromoform	ND		4.0	1.0	ug/L			06/19/26 09:06	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/19/26 09:06	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/19/26 09:06	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/19/26 09:06	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/19/26 09:06	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/19/26 09:06	1
Freon 113	ND		10	0.30	ug/L			06/19/26 09:06	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/19/26 09:06	1
2-Butanone	ND		10	1.0	ug/L			06/19/26 09:06	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/19/26 09:06	1
Trichloroethene	ND		1.0	0.30	ug/L			06/19/26 09:06	1
Methyl acetate	ND	^c cn	5.0	0.60	ug/L			06/19/26 09:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/19/26 09:06	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/19/26 09:06	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/19/26 09:06	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/19/26 09:06	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: TB060826

Lab Sample ID: 410-287459-12

Date Collected: 06/04/26 00:00

Matrix: Water

Date Received: 06/08/26 18:35

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		06/19/26 09:06	1
Dibromofluoromethane (Surr)	112		80 - 120		06/19/26 09:06	1
4-Bromofluorobenzene (Surr)	93		80 - 120		06/19/26 09:06	1
Toluene-d8 (Surr)	93		80 - 120		06/19/26 09:06	1

Surrogate Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (80-120)	DBFM (80-120)	BFB (80-120)	TOL (80-120)
410-287459-1	SW-1	102	100	100	101
410-287459-1 MS	SW-1	98	101	96	102
410-287459-1 MSD	SW-1	104	101	96	101
410-287459-2	SW-3	101	102	99	103
410-287459-3	SW-4	101	103	98	104
410-287459-4	SW-5	103	102	99	102
410-287459-5	SW-6	100	100	100	103
410-287459-6	SW-7	99	100	99	102
410-287459-7	SW-8	99	101	99	103
410-287459-8	SW-9	103	103	98	104
410-287459-9	SW-10	102	102	98	103
410-287459-10	Duplicate SW	100	101	98	102
410-287459-11	Field Blank SW	103	101	99	102
410-287459-12	TB060826	104	112	93	93
LCS 410-837429/4	Lab Control Sample	104	99	97	101
LCS 410-838068/64	Lab Control Sample	100	108	95	95
LCSD 410-837429/5	Lab Control Sample Dup	105	100	97	102
MB 410-837429/8	Method Blank	104	99	100	101
MB 410-838068/7	Method Blank	104	112	93	94

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

DBFM = Dibromofluoromethane (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

Isotope Dilution Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (5-130)	PFPeA (40-130)	13C5PHA (40-130)	C4PFHA (40-130)	C8PFOA (40-130)	C9PFNA (40-130)	C6PFDA (40-130)	13C7PUA (30-130)
410-287459-1	SW-1	78.2	80.0	76.0	76.5	66.5	66.4	61.8	57.4
410-287459-1 MS	SW-1	92.4	97.8	88.5	91.4	83.7	84.5	77.4	76.9
410-287459-1 MSD	SW-1	93.8	94.1	98.4	91.8	91.1	86.2	83.5	76.2
410-287459-2	SW-3	93.8	93.4	90.8	93.4	91.9	88.3	82.1	72.3
410-287459-3	SW-4	95.2	97.7	94.7	97.2	94.2	89.5	79.2	69.6
410-287459-4	SW-5	94.0	96.0	98.4	92.3	92.9	90.4	79.6	74.5
410-287459-5	SW-6	98.5	99.0	100	100	99.3	95.1	89.0	81.7
410-287459-6	SW-7	88.9	97.5	92.5	94.1	90.3	93.1	82.9	81.9
410-287459-7	SW-8	88.0	91.4	89.3	89.5	90.5	85.8	81.2	79.6
410-287459-8	SW-9	90.4	96.1	88.7	95.6	88.5	86.0	77.7	67.4
410-287459-9	SW-10	91.1	93.5	91.5	92.9	87.9	85.0	80.9	83.1
410-287459-10	Duplicate SW	89.9	95.0	91.2	92.1	90.0	87.3	79.5	76.6
410-287459-11	Field Blank SW	92.3	91.6	88.6	91.2	90.9	87.2	83.7	77.1
LCS 410-836808/9-A	Lab Control Sample	91.1	91.9	94.9	91.5	92.3	91.7	87.2	81.2
LLCS 410-836808/10-A	Lab Control Sample	89.6	86.9	85.7	83.4	86.9	83.0	84.3	78.2
MB 410-836808/8-A	Method Blank	92.1	91.3	87.0	87.7	90.0	85.5	80.2	75.6
		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFTDA (10-130)	C3PFBS (40-135)	C3PFHS (40-130)	C8PFOS (40-130)	PFOSA (40-130)	d3NMFOS (40-170)	d5NEFOS (25-135)	M242FTS (40-200)
410-287459-1	SW-1	40.0 ^c cn	72.4	61.7	65.7	63.7	56.1	58.0	70.2
410-287459-1 MS	SW-1	47.6 cn	83.0	75.7	83.8	73.5	67.4	66.1	85.5
410-287459-1 MSD	SW-1	51.3 cn	86.0	81.9	87.4	78.5	71.2	70.0	84.4
410-287459-2	SW-3	46.6 ^c cn	90.4	82.6	84.9	73.9	65.6	63.1	87.0
410-287459-3	SW-4	41.2 ^c cn	92.7	82.5	80.1	74.0	69.8	67.1	94.3
410-287459-4	SW-5	51.2 ^c cn	92.0	84.1	89.5	77.8	73.6	69.0	87.0
410-287459-5	SW-6	54.4 ^c cn	91.1	85.5	96.6	84.4	82.2	81.2	88.0
410-287459-6	SW-7	53.3 ^c cn	86.4	77.4	94.9	84.2	74.2	71.3	86.1
410-287459-7	SW-8	49.2 ^c cn	85.4	79.5	87.9	75.1	71.5	70.8	82.3
410-287459-8	SW-9	45.0 ^c cn	85.8	77.2	85.1	73.7	69.0	69.7	79.2
410-287459-9	SW-10	47.6 ^c cn	79.6	79.4	88.2	84.9	77.2	74.2	78.9
410-287459-10	Duplicate SW	47.2 ^c cn	85.9	79.9	84.8	81.9	71.6	68.0	84.2
410-287459-11	Field Blank SW	51.7 ^c cn	86.1	78.5	87.6	81.6	75.9	72.9	77.6
LCS 410-836808/9-A	Lab Control Sample	57.1	87.7	84.1	90.7	77.5	72.8	77.1	86.8
LLCS 410-836808/10-A	Lab Control Sample	52.7	83.6	77.9	80.9	78.0	74.8	71.8	78.7
MB 410-836808/8-A	Method Blank	51.8	82.3	73.3	84.5	79.1	74.3	75.8	78.7
		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M262FTS (40-200)	M282FTS (40-300)	HFPODA (40-130)	NMFM (10-130)	NEFM (10-130)	d5NPFSA (10-130)	d3NMFSA (10-130)	PFDaA (10-130)
410-287459-1	SW-1	68.2	43.1 ^c cn	74.5	45.0	46.3	47.9	52.8	56.9
410-287459-1 MS	SW-1	80.8	59.6 cn	86.8	49.6	48.4	59.1	61.4	71.0

Eurofins Lancaster Laboratories Environment Testing, LLC

Isotope Dilution Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M262FTS (40-200)	M282FTS (40-300)	HFPODA (40-130)	NMFM (10-130)	NEFM (10-130)	d5NPFSA (10-130)	d3NMFSA (10-130)	PFDaA (10-130)
410-287459-1 MSD	SW-1	86.8	62.3 cn	88.7	55.1	54.2	62.1	65.1	72.6
410-287459-2	SW-3	89.0	59.1 ^c cn	90.1	47.8	44.1	58.3	63.9	64.9
410-287459-3	SW-4	86.7	59.2 ^c cn	95.0	52.7	51.5	59.6	63.9	63.6
410-287459-4	SW-5	83.4	60.7 ^c cn	86.6	64.5	66.1	61.4	67.7	75.5
410-287459-5	SW-6	91.9	63.7 ^c cn	92.9	57.2	58.1	64.8	71.0	74.9
410-287459-6	SW-7	77.2	63.4 ^c cn	91.6	67.2	67.0	65.0	72.0	73.1
410-287459-7	SW-8	80.5	57.9 ^c cn	84.8	64.2	63.7	57.2	64.9	72.7
410-287459-8	SW-9	79.9	58.5 ^c cn	87.0	55.1	52.2	54.5	59.7	65.2
410-287459-9	SW-10	77.0	63.0 ^c cn	82.6	63.7	59.2	59.8	67.6	75.4
410-287459-10	Duplicate SW	83.3	58.7 ^c cn	92.0	59.6	59.1	59.9	67.9	71.4
410-287459-11	Field Blank SW	79.5	66.0 ^c cn	85.8	66.4	68.9	60.8	67.7	70.2
LCS 410-836808/9-A	Lab Control Sample	81.9	66.8	88.6	67.4	67.3	62.6	68.7	80.8
LLCS 410-836808/10-A	Lab Control Sample	82.1	59.5	80.9	59.1	58.5	63.5	67.8	76.6
MB 410-836808/8-A	Method Blank	72.6	62.3	83.3	43.7	40.1	59.1	64.5	72.5

		Percent Isotope Dilution Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	3-3:3 FTC (20-150)	3-5:3 FTC (20-150)	PFDaS (20-150)
410-287459-1	SW-1	83.2	86.9	30.6 ^c cn
410-287459-1 MS	SW-1	107	98.6	34.4 cn
410-287459-1 MSD	SW-1	106	97.8	36.8 cn
410-287459-2	SW-3	104	113	34.1 ^c cn
410-287459-3	SW-4	101	110	31.6 ^c cn
410-287459-4	SW-5	93.7	107	38.7 ^c cn
410-287459-5	SW-6	100	117	42.8 ^c cn
410-287459-6	SW-7	97.7	111	39.9 ^c cn
410-287459-7	SW-8	91.7	103	39.0 ^c cn
410-287459-8	SW-9	93.6	101	37.0 ^c cn
410-287459-9	SW-10	94.6	103	39.4 ^c cn
410-287459-10	Duplicate SW	99.2	103	37.6 ^c cn
410-287459-11	Field Blank SW	88.8	106	40.1 ^c cn
LCS 410-836808/9-A	Lab Control Sample	109	103	37.6
LLCS 410-836808/10-A	Lab Control Sample	96.4	96.5	38.1
MB 410-836808/8-A	Method Blank	105	96.5	32.8

Eurofins Lancaster Laboratories Environment Testing, LLC

Isotope Dilution Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M242FTS = 13C2 4:2 FTS
M262FTS = 13C2 6:2 FTS
M282FTS = 13C2 8:2 FTS
HFPODA = 13C3 HFPO-DA
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
d5NPFSA = d5-NEtPFOSA
d3NMFSA = d3-NMePFOSA
PFDaA = 13C2 PFDaA
C3-3:3 FTCA = 13C3-3:3 FTCA
C3-5:3 FTCA = 13C3-5:3 FTCA
PFDoS = 13C3-PFDoS

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 410-837429/8

Matrix: Water

Analysis Batch: 837429

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/18/26 10:19	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/18/26 10:19	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/18/26 10:19	1
Styrene	ND		5.0	0.30	ug/L			06/18/26 10:19	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 10:19	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/18/26 10:19	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/18/26 10:19	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/18/26 10:19	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/18/26 10:19	1
Toluene	ND		1.0	0.30	ug/L			06/18/26 10:19	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/18/26 10:19	1
Cyclohexane	ND		5.0	1.0	ug/L			06/18/26 10:19	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/18/26 10:19	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/18/26 10:19	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/18/26 10:19	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/18/26 10:19	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/18/26 10:19	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/18/26 10:19	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/18/26 10:19	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/18/26 10:19	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/18/26 10:19	1
2-Hexanone	ND		10	0.85	ug/L			06/18/26 10:19	1
Acetone	ND		20	0.70	ug/L			06/18/26 10:19	1
Chloroform	ND		1.0	0.30	ug/L			06/18/26 10:19	1
Benzene	ND		1.0	0.30	ug/L			06/18/26 10:19	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/18/26 10:19	1
Bromomethane	ND		1.0	0.30	ug/L			06/18/26 10:19	1
Chloromethane	ND		2.0	0.55	ug/L			06/18/26 10:19	1
Chloroethane	ND		1.0	0.30	ug/L			06/18/26 10:19	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/18/26 10:19	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/18/26 10:19	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/18/26 10:19	1
Bromoform	ND		4.0	1.0	ug/L			06/18/26 10:19	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/18/26 10:19	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/18/26 10:19	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/18/26 10:19	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/18/26 10:19	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/18/26 10:19	1
Freon 113	ND		10	0.30	ug/L			06/18/26 10:19	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/18/26 10:19	1
2-Butanone	ND		10	1.0	ug/L			06/18/26 10:19	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/18/26 10:19	1
Trichloroethene	ND		1.0	0.30	ug/L			06/18/26 10:19	1
Methyl acetate	ND		5.0	0.60	ug/L			06/18/26 10:19	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/18/26 10:19	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/18/26 10:19	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/18/26 10:19	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/18/26 10:19	1

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-837429/8

Matrix: Water

Analysis Batch: 837429

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		06/18/26 10:19	1
Dibromofluoromethane (Surr)	99		80 - 120		06/18/26 10:19	1
4-Bromofluorobenzene (Surr)	100		80 - 120		06/18/26 10:19	1
Toluene-d8 (Surr)	101		80 - 120		06/18/26 10:19	1

Lab Sample ID: LCS 410-837429/4

Matrix: Water

Analysis Batch: 837429

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	20.0	18.7		ug/L		93	75 - 120
trans-1,3-Dichloropropene	20.0	19.6		ug/L		98	67 - 120
Ethylbenzene	20.0	20.9		ug/L		104	80 - 120
Styrene	20.0	20.5		ug/L		103	80 - 120
1,4-Dichlorobenzene	20.0	21.3		ug/L		106	80 - 120
1,2-Dibromoethane	20.0	20.6		ug/L		103	77 - 120
1,2-Dichloroethane	20.0	21.2		ug/L		106	73 - 124
4-Methyl-2-pentanone	250	267		ug/L		107	62 - 133
Methylcyclohexane	20.0	20.4		ug/L		102	60 - 121
Toluene	20.0	20.8		ug/L		104	80 - 120
Chlorobenzene	20.0	21.2		ug/L		106	80 - 120
Cyclohexane	20.0	20.5		ug/L		102	60 - 126
1,2,4-Trichlorobenzene	20.0	22.7		ug/L		114	63 - 127
Dibromochloromethane	20.0	20.3		ug/L		101	71 - 120
Xylenes, Total	60.0	61.8		ug/L		103	80 - 120
Tetrachloroethene	20.0	21.1		ug/L		106	80 - 120
cis-1,2-Dichloroethene	20.0	20.3		ug/L		102	80 - 125
trans-1,2-Dichloroethene	20.0	21.3		ug/L		106	80 - 126
Methyl tertiary butyl ether	20.0	19.0		ug/L		95	69 - 122
1,3-Dichlorobenzene	20.0	21.6		ug/L		108	80 - 120
Carbon tetrachloride	20.0	20.5		ug/L		102	64 - 134
2-Hexanone	250	273		ug/L		109	56 - 143
Acetone	250	254		ug/L		102	57 - 150
Chloroform	20.0	20.1		ug/L		100	72 - 120
Benzene	20.0	20.6		ug/L		103	80 - 120
1,1,1-Trichloroethane	20.0	20.9		ug/L		104	73 - 120
Bromomethane	20.0	18.4		ug/L		92	61 - 128
Chloromethane	20.0	17.3		ug/L		87	48 - 134
Chloroethane	20.0	18.2		ug/L		91	67 - 123
Vinyl chloride	20.0	17.8		ug/L		89	56 - 120
Methylene Chloride	20.0	21.1		ug/L		105	80 - 120
Carbon disulfide	20.0	20.2		ug/L		101	55 - 139
Bromoform	20.0	18.9		ug/L		95	63 - 128
Bromodichloromethane	20.0	19.7		ug/L		99	71 - 120
1,1-Dichloroethane	20.0	22.0		ug/L		110	80 - 126
1,1-Dichloroethene	20.0	22.3		ug/L		111	80 - 131
Trichlorofluoromethane	20.0	16.5		ug/L		83	57 - 120
Dichlorodifluoromethane	20.0	17.6		ug/L		88	40 - 127

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-837429/4

Matrix: Water

Analysis Batch: 837429

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Freon 113	20.0	21.9		ug/L		109	57 - 122
1,2-Dichloropropane	20.0	20.5		ug/L		103	80 - 120
2-Butanone	250	279		ug/L		112	59 - 135
1,1,2-Trichloroethane	20.0	20.9		ug/L		104	80 - 120
Trichloroethene	20.0	20.9		ug/L		104	80 - 120
Methyl acetate	20.0	23.7		ug/L		119	55 - 157
1,1,2,2-Tetrachloroethane	20.0	21.0		ug/L		105	72 - 127
1,2-Dichlorobenzene	20.0	21.6		ug/L		108	80 - 120
1,2-Dibromo-3-Chloropropane	20.0	21.2		ug/L		106	60 - 120
Isopropylbenzene	20.0	23.5		ug/L		118	80 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	99		80 - 120
4-Bromofluorobenzene (Surr)	97		80 - 120
Toluene-d8 (Surr)	101		80 - 120

Lab Sample ID: LCSD 410-837429/5

Matrix: Water

Analysis Batch: 837429

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	20.0	18.3		ug/L		91	75 - 120	2	30
trans-1,3-Dichloropropene	20.0	19.0		ug/L		95	67 - 120	3	30
Ethylbenzene	20.0	20.3		ug/L		101	80 - 120	3	30
Styrene	20.0	20.0		ug/L		100	80 - 120	2	30
1,4-Dichlorobenzene	20.0	19.8		ug/L		99	80 - 120	7	30
1,2-Dibromoethane	20.0	20.4		ug/L		102	77 - 120	1	30
1,2-Dichloroethane	20.0	20.1		ug/L		100	73 - 124	5	30
4-Methyl-2-pentanone	250	252		ug/L		101	62 - 133	6	30
Methylcyclohexane	20.0	20.2		ug/L		101	60 - 121	1	30
Toluene	20.0	20.2		ug/L		101	80 - 120	3	30
Chlorobenzene	20.0	20.3		ug/L		102	80 - 120	4	30
Cyclohexane	20.0	20.3		ug/L		102	60 - 126	1	30
1,2,4-Trichlorobenzene	20.0	20.8		ug/L		104	63 - 127	9	30
Dibromochloromethane	20.0	19.3		ug/L		96	71 - 120	5	30
Xylenes, Total	60.0	59.8		ug/L		100	80 - 120	3	30
Tetrachloroethene	20.0	20.3		ug/L		102	80 - 120	4	30
cis-1,2-Dichloroethene	20.0	19.9		ug/L		100	80 - 125	2	30
trans-1,2-Dichloroethene	20.0	21.1		ug/L		105	80 - 126	1	30
Methyl tertiary butyl ether	20.0	17.6		ug/L		88	69 - 122	8	30
1,3-Dichlorobenzene	20.0	20.1		ug/L		100	80 - 120	7	30
Carbon tetrachloride	20.0	20.1		ug/L		101	64 - 134	2	30
2-Hexanone	250	264		ug/L		105	56 - 143	3	30
Acetone	250	249		ug/L		100	57 - 150	2	30
Chloroform	20.0	19.3		ug/L		97	72 - 120	4	30
Benzene	20.0	19.7		ug/L		98	80 - 120	5	30
1,1,1-Trichloroethane	20.0	20.2		ug/L		101	73 - 120	3	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-837429/5

Matrix: Water

Analysis Batch: 837429

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromomethane	20.0	16.9		ug/L		85	61 - 128	8	30
Chloromethane	20.0	16.0		ug/L		80	48 - 134	8	30
Chloroethane	20.0	17.6		ug/L		88	67 - 123	3	30
Vinyl chloride	20.0	16.7		ug/L		84	56 - 120	6	30
Methylene Chloride	20.0	20.2		ug/L		101	80 - 120	4	30
Carbon disulfide	20.0	19.2		ug/L		96	55 - 139	5	30
Bromoform	20.0	18.7		ug/L		94	63 - 128	1	30
Bromodichloromethane	20.0	19.4		ug/L		97	71 - 120	2	30
1,1-Dichloroethane	20.0	21.2		ug/L		106	80 - 126	4	30
1,1-Dichloroethene	20.0	21.4		ug/L		107	80 - 131	4	30
Trichlorofluoromethane	20.0	15.8		ug/L		79	57 - 120	5	30
Dichlorodifluoromethane	20.0	17.2		ug/L		86	40 - 127	3	30
Freon 113	20.0	21.3		ug/L		106	57 - 122	3	30
1,2-Dichloropropane	20.0	19.7		ug/L		98	80 - 120	4	30
2-Butanone	250	266		ug/L		106	59 - 135	5	30
1,1,2-Trichloroethane	20.0	20.6		ug/L		103	80 - 120	2	30
Trichloroethene	20.0	19.7		ug/L		98	80 - 120	6	30
Methyl acetate	20.0	24.2		ug/L		121	55 - 157	2	30
1,1,2,2-Tetrachloroethane	20.0	19.7		ug/L		99	72 - 127	6	30
1,2-Dichlorobenzene	20.0	20.2		ug/L		101	80 - 120	7	30
1,2-Dibromo-3-Chloropropane	20.0	19.1		ug/L		96	60 - 120	10	30
Isopropylbenzene	20.0	22.9		ug/L		114	80 - 132	3	30

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
1,2-Dichloroethane-d4 (Surr)	105		80 - 120
Dibromofluoromethane (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	97		80 - 120
Toluene-d8 (Surr)	102		80 - 120

Lab Sample ID: 410-287459-1 MS

Matrix: Water

Analysis Batch: 837429

Client Sample ID: SW-1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	ND		20.0	20.2		ug/L		101	75 - 120
trans-1,3-Dichloropropene	ND		20.0	20.6		ug/L		103	67 - 120
Ethylbenzene	ND		20.0	23.2		ug/L		116	80 - 120
Styrene	ND		20.0	22.2		ug/L		111	80 - 120
1,4-Dichlorobenzene	ND		20.0	22.0		ug/L		110	80 - 120
1,2-Dibromoethane	ND		20.0	21.5		ug/L		108	77 - 120
1,2-Dichloroethane	ND		20.0	22.6		ug/L		113	73 - 124
4-Methyl-2-pentanone	ND		250	268		ug/L		107	62 - 133
Methylcyclohexane	ND	^c FH cn	20.0	24.5	FH	ug/L		123	60 - 121
Toluene	ND		20.0	23.1		ug/L		115	80 - 120
Chlorobenzene	ND		20.0	22.6		ug/L		113	80 - 120
Cyclohexane	ND		20.0	24.0		ug/L		120	60 - 126
1,2,4-Trichlorobenzene	ND		20.0	21.9		ug/L		109	63 - 127
Dibromochloromethane	ND		20.0	20.7		ug/L		103	71 - 120

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 410-287459-1 MS

Matrix: Water

Analysis Batch: 837429

Client Sample ID: SW-1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Xylenes, Total	ND		60.0	67.4		ug/L		112	80 - 120
Tetrachloroethene	ND		20.0	23.8		ug/L		119	80 - 120
cis-1,2-Dichloroethene	ND		20.0	22.6		ug/L		113	80 - 125
trans-1,2-Dichloroethene	ND		20.0	25.0		ug/L		125	80 - 126
Methyl tertiary butyl ether	ND		20.0	19.6		ug/L		98	69 - 122
1,3-Dichlorobenzene	ND		20.0	22.8		ug/L		114	80 - 120
Carbon tetrachloride	ND		20.0	23.9		ug/L		120	64 - 134
2-Hexanone	ND		250	275		ug/L		110	56 - 143
Acetone	1.9	J	250	272		ug/L		108	57 - 150
Chloroform	ND		20.0	22.0		ug/L		110	72 - 120
Benzene	ND		20.0	22.7		ug/L		114	80 - 120
1,1,1-Trichloroethane	ND		20.0	23.3		ug/L		117	73 - 120
Bromomethane	ND		20.0	17.3		ug/L		87	61 - 128
Chloromethane	ND		20.0	15.1		ug/L		75	48 - 134
Chloroethane	ND		20.0	17.4		ug/L		87	67 - 123
Vinyl chloride	ND		20.0	16.9		ug/L		84	56 - 120
Methylene Chloride	ND		20.0	23.1		ug/L		115	80 - 120
Carbon disulfide	ND		20.0	23.4		ug/L		117	55 - 139
Bromoform	ND		20.0	18.9		ug/L		94	63 - 128
Bromodichloromethane	ND		20.0	21.3		ug/L		106	71 - 120
1,1-Dichloroethane	ND		20.0	24.1		ug/L		121	80 - 126
1,1-Dichloroethene	ND		20.0	25.6		ug/L		128	80 - 131
Trichlorofluoromethane	ND		20.0	16.4		ug/L		82	57 - 120
Dichlorodifluoromethane	ND		20.0	15.9		ug/L		79	40 - 127
Freon 113	ND	^c FH cn	20.0	25.6	FH	ug/L		128	57 - 122
1,2-Dichloropropane	ND		20.0	22.3		ug/L		111	80 - 120
2-Butanone	ND		250	284		ug/L		114	59 - 135
1,1,2-Trichloroethane	ND		20.0	22.0		ug/L		110	80 - 120
Trichloroethene	ND		20.0	22.3		ug/L		112	80 - 120
Methyl acetate	ND		20.0	23.5		ug/L		117	55 - 157
1,1,2,2-Tetrachloroethane	ND		20.0	21.0		ug/L		105	72 - 127
1,2-Dichlorobenzene	ND		20.0	22.1		ug/L		110	80 - 120
1,2-Dibromo-3-Chloropropane	ND		20.0	19.5		ug/L		98	60 - 120
Isopropylbenzene	ND	^c cn	20.0	26.2		ug/L		131	80 - 132
Surrogate	MS %Recovery	MS Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	98		80 - 120						
Dibromofluoromethane (Surr)	101		80 - 120						
4-Bromofluorobenzene (Surr)	96		80 - 120						
Toluene-d8 (Surr)	102		80 - 120						

Lab Sample ID: 410-287459-1 MSD

Matrix: Water

Analysis Batch: 837429

Client Sample ID: SW-1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	ND		20.0	19.5		ug/L		98	75 - 120	3	30
trans-1,3-Dichloropropene	ND		20.0	20.7		ug/L		103	67 - 120	1	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 410-287459-1 MSD

Matrix: Water

Analysis Batch: 837429

Client Sample ID: SW-1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylbenzene	ND		20.0	22.3		ug/L		111	80 - 120	4	30
Styrene	ND		20.0	22.0		ug/L		110	80 - 120	1	30
1,4-Dichlorobenzene	ND		20.0	21.8		ug/L		109	80 - 120	1	30
1,2-Dibromoethane	ND		20.0	20.8		ug/L		104	77 - 120	3	30
1,2-Dichloroethane	ND		20.0	21.6		ug/L		108	73 - 124	4	30
4-Methyl-2-pentanone	ND		250	260		ug/L		104	62 - 133	3	30
Methylcyclohexane	ND	^c FH cn	20.0	23.8		ug/L		119	60 - 121	3	30
Toluene	ND		20.0	22.5		ug/L		113	80 - 120	2	30
Chlorobenzene	ND		20.0	22.0		ug/L		110	80 - 120	3	30
Cyclohexane	ND		20.0	23.5		ug/L		117	60 - 126	2	30
1,2,4-Trichlorobenzene	ND		20.0	21.3		ug/L		106	63 - 127	3	30
Dibromochloromethane	ND		20.0	20.4		ug/L		102	71 - 120	1	30
Xylenes, Total	ND		60.0	65.0		ug/L		108	80 - 120	4	30
Tetrachloroethene	ND		20.0	23.1		ug/L		115	80 - 120	3	30
cis-1,2-Dichloroethene	ND		20.0	22.3		ug/L		111	80 - 125	2	30
trans-1,2-Dichloroethene	ND		20.0	24.4		ug/L		122	80 - 126	2	30
Methyl tertiary butyl ether	ND		20.0	18.6		ug/L		93	69 - 122	6	30
1,3-Dichlorobenzene	ND		20.0	22.2		ug/L		111	80 - 120	3	30
Carbon tetrachloride	ND		20.0	23.2		ug/L		116	64 - 134	3	30
2-Hexanone	ND		250	267		ug/L		107	56 - 143	3	30
Acetone	1.9	J	250	271		ug/L		108	57 - 150	0	30
Chloroform	ND		20.0	21.7		ug/L		109	72 - 120	1	30
Benzene	ND		20.0	22.0		ug/L		110	80 - 120	3	30
1,1,1-Trichloroethane	ND		20.0	22.2		ug/L		111	73 - 120	5	30
Bromomethane	ND		20.0	16.3		ug/L		82	61 - 128	6	30
Chloromethane	ND		20.0	14.2		ug/L		71	48 - 134	6	30
Chloroethane	ND		20.0	16.4		ug/L		82	67 - 123	6	30
Vinyl chloride	ND		20.0	15.4		ug/L		77	56 - 120	9	30
Methylene Chloride	ND		20.0	22.1		ug/L		110	80 - 120	4	30
Carbon disulfide	ND		20.0	21.7		ug/L		108	55 - 139	8	30
Bromoform	ND		20.0	18.8		ug/L		94	63 - 128	0	30
Bromodichloromethane	ND		20.0	20.8		ug/L		104	71 - 120	2	30
1,1-Dichloroethane	ND		20.0	24.3		ug/L		121	80 - 126	1	30
1,1-Dichloroethene	ND		20.0	24.2		ug/L		121	80 - 131	6	30
Trichlorofluoromethane	ND		20.0	15.5		ug/L		77	57 - 120	6	30
Dichlorodifluoromethane	ND		20.0	14.7		ug/L		74	40 - 127	8	30
Freon 113	ND	^c FH cn	20.0	23.7		ug/L		119	57 - 122	8	30
1,2-Dichloropropane	ND		20.0	22.0		ug/L		110	80 - 120	1	30
2-Butanone	ND		250	274		ug/L		110	59 - 135	4	30
1,1,2-Trichloroethane	ND		20.0	21.3		ug/L		107	80 - 120	3	30
Trichloroethene	ND		20.0	22.1		ug/L		111	80 - 120	1	30
Methyl acetate	ND		20.0	25.5		ug/L		128	55 - 157	8	30
1,1,2,2-Tetrachloroethane	ND		20.0	20.4		ug/L		102	72 - 127	3	30
1,2-Dichlorobenzene	ND		20.0	21.9		ug/L		109	80 - 120	1	30
1,2-Dibromo-3-Chloropropane	ND		20.0	19.4		ug/L		97	60 - 120	1	30
Isopropylbenzene	ND	^c cn	20.0	25.5		ug/L		128	80 - 132	3	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 410-287459-1 MSD

Matrix: Water

Analysis Batch: 837429

Client Sample ID: SW-1

Prep Type: Total/NA

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	101		80 - 120
4-Bromofluorobenzene (Surr)	96		80 - 120
Toluene-d8 (Surr)	101		80 - 120

Lab Sample ID: MB 410-838068/7

Matrix: Water

Analysis Batch: 838068

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			06/19/26 07:51	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/19/26 07:51	1
Ethylbenzene	ND		1.0	0.40	ug/L			06/19/26 07:51	1
Styrene	ND		5.0	0.30	ug/L			06/19/26 07:51	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			06/19/26 07:51	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/19/26 07:51	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/19/26 07:51	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/19/26 07:51	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/19/26 07:51	1
Toluene	ND		1.0	0.30	ug/L			06/19/26 07:51	1
Chlorobenzene	ND		1.0	0.30	ug/L			06/19/26 07:51	1
Cyclohexane	ND		5.0	1.0	ug/L			06/19/26 07:51	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/19/26 07:51	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/19/26 07:51	1
Xylenes, Total	ND		1.0	0.40	ug/L			06/19/26 07:51	1
Tetrachloroethene	ND		1.0	0.30	ug/L			06/19/26 07:51	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			06/19/26 07:51	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			06/19/26 07:51	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/19/26 07:51	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			06/19/26 07:51	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			06/19/26 07:51	1
2-Hexanone	ND		10	0.85	ug/L			06/19/26 07:51	1
Acetone	ND		20	0.70	ug/L			06/19/26 07:51	1
Chloroform	ND		1.0	0.30	ug/L			06/19/26 07:51	1
Benzene	ND		1.0	0.30	ug/L			06/19/26 07:51	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/19/26 07:51	1
Bromomethane	ND		1.0	0.30	ug/L			06/19/26 07:51	1
Chloromethane	ND		2.0	0.55	ug/L			06/19/26 07:51	1
Chloroethane	ND		1.0	0.30	ug/L			06/19/26 07:51	1
Vinyl chloride	ND		1.0	0.30	ug/L			06/19/26 07:51	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/19/26 07:51	1
Carbon disulfide	ND		5.0	0.30	ug/L			06/19/26 07:51	1
Bromoform	ND		4.0	1.0	ug/L			06/19/26 07:51	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/19/26 07:51	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			06/19/26 07:51	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			06/19/26 07:51	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			06/19/26 07:51	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			06/19/26 07:51	1

Euofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-838068/7

Matrix: Water

Analysis Batch: 838068

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		10	0.30	ug/L			06/19/26 07:51	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			06/19/26 07:51	1
2-Butanone	ND		10	1.0	ug/L			06/19/26 07:51	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			06/19/26 07:51	1
Trichloroethene	ND		1.0	0.30	ug/L			06/19/26 07:51	1
Methyl acetate	ND		5.0	0.60	ug/L			06/19/26 07:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			06/19/26 07:51	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/19/26 07:51	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/19/26 07:51	1
Isopropylbenzene	ND		5.0	0.30	ug/L			06/19/26 07:51	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120					06/19/26 07:51	1
Dibromofluoromethane (Surr)	112		80 - 120					06/19/26 07:51	1
4-Bromofluorobenzene (Surr)	93		80 - 120					06/19/26 07:51	1
Toluene-d8 (Surr)	94		80 - 120					06/19/26 07:51	1

Lab Sample ID: LCS 410-838068/64

Matrix: Water

Analysis Batch: 838068

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	20.0	18.3		ug/L		91	75 - 120
trans-1,3-Dichloropropene	20.0	18.3		ug/L		92	67 - 120
Ethylbenzene	20.0	19.5		ug/L		98	80 - 120
Styrene	20.0	19.4		ug/L		97	80 - 120
1,4-Dichlorobenzene	20.0	20.2		ug/L		101	80 - 120
1,2-Dibromoethane	20.0	20.7		ug/L		104	77 - 120
1,2-Dichloroethane	20.0	22.9		ug/L		115	73 - 124
4-Methyl-2-pentanone	250	221		ug/L		88	62 - 133
Methylcyclohexane	20.0	17.1		ug/L		85	60 - 121
Toluene	20.0	19.7		ug/L		99	80 - 120
Chlorobenzene	20.0	21.3		ug/L		106	80 - 120
Cyclohexane	20.0	16.3		ug/L		82	60 - 126
1,2,4-Trichlorobenzene	20.0	19.1		ug/L		96	63 - 127
Dibromochloromethane	20.0	21.8		ug/L		109	71 - 120
Xylenes, Total	60.0	58.7		ug/L		98	80 - 120
Tetrachloroethene	20.0	23.0		ug/L		115	80 - 120
cis-1,2-Dichloroethene	20.0	20.9		ug/L		105	80 - 125
trans-1,2-Dichloroethene	20.0	21.6		ug/L		108	80 - 126
Methyl tertiary butyl ether	20.0	18.6		ug/L		93	69 - 122
1,3-Dichlorobenzene	20.0	20.4		ug/L		102	80 - 120
Carbon tetrachloride	20.0	26.0		ug/L		130	64 - 134
2-Hexanone	250	210		ug/L		84	56 - 143
Acetone	250	248		ug/L		99	57 - 150
Chloroform	20.0	19.0		ug/L		95	72 - 120
Benzene	20.0	19.7		ug/L		99	80 - 120
1,1,1-Trichloroethane	20.0	24.7	*+	ug/L		123	73 - 120

Euofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-838068/64

Matrix: Water

Analysis Batch: 838068

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	20.0	18.8		ug/L		94	61 - 128
Chloromethane	20.0	15.0		ug/L		75	48 - 134
Chloroethane	20.0	17.0		ug/L		85	67 - 123
Vinyl chloride	20.0	15.5		ug/L		78	56 - 120
Methylene Chloride	20.0	19.6		ug/L		98	80 - 120
Carbon disulfide	20.0	19.3		ug/L		97	55 - 139
Bromoform	20.0	22.9		ug/L		114	63 - 128
Bromodichloromethane	20.0	22.1		ug/L		110	71 - 120
1,1-Dichloroethane	20.0	19.9		ug/L		99	80 - 126
1,1-Dichloroethene	20.0	21.2		ug/L		106	80 - 131
Trichlorofluoromethane	20.0	16.6		ug/L		83	57 - 120
Dichlorodifluoromethane	20.0	15.8		ug/L		79	40 - 127
Freon 113	20.0	21.6		ug/L		108	57 - 122
1,2-Dichloropropane	20.0	18.1		ug/L		90	80 - 120
2-Butanone	250	208		ug/L		83	59 - 135
1,1,2-Trichloroethane	20.0	19.4		ug/L		97	80 - 120
Trichloroethene	20.0	21.3		ug/L		107	80 - 120
Methyl acetate	20.0	19.1		ug/L		95	55 - 157
1,1,2,2-Tetrachloroethane	20.0	17.1		ug/L		85	72 - 127
1,2-Dichlorobenzene	20.0	20.5		ug/L		102	80 - 120
1,2-Dibromo-3-Chloropropane	20.0	17.6		ug/L		88	60 - 120
Isopropylbenzene	20.0	19.7		ug/L		99	80 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	108		80 - 120
4-Bromofluorobenzene (Surr)	95		80 - 120
Toluene-d8 (Surr)	95		80 - 120

Method: 218.6 - Chromium, Hexavalent (Ion Chromatography)

Lab Sample ID: MB 410-832735/139

Matrix: Water

Analysis Batch: 832735

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/10/26 12:23	1

Lab Sample ID: LCS 410-832735/138

Matrix: Water

Analysis Batch: 832735

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	0.100	0.103		mg/L		103	90 - 110

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Method: 218.6 - Chromium, Hexavalent (Ion Chromatography) (Continued)

Lab Sample ID: MB 410-833443/24

Matrix: Water

Analysis Batch: 833443

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/11/26 12:54	1

Lab Sample ID: LCS 410-833443/23

Matrix: Water

Analysis Batch: 833443

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	0.100	0.103		mg/L		103	90 - 110

Lab Sample ID: MB 410-837505/10

Matrix: Water

Analysis Batch: 837505

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.010	0.0050	mg/L			06/18/26 08:58	1

Lab Sample ID: LCS 410-837505/9

Matrix: Water

Analysis Batch: 837505

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	0.100	0.103		mg/L		103	90 - 110

Lab Sample ID: 410-287459-1 MS

Matrix: Water

Analysis Batch: 832735

Client Sample ID: SW-1

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	ND	^+ cn	0.100	0.104	^+ cn	mg/L		104	75 - 125

Lab Sample ID: 410-287459-1 MSD

Matrix: Water

Analysis Batch: 832735

Client Sample ID: SW-1

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Cr (VI)	ND	^+ cn	0.100	0.105	^+ cn	mg/L		105	75 - 125	1	20

Lab Sample ID: 410-287459-1 DU

Matrix: Water

Analysis Batch: 832735

Client Sample ID: SW-1

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Cr (VI)	ND	^+ cn	ND	^+	mg/L		NC	20

Lab Sample ID: 410-287459-5 MS

Matrix: Water

Analysis Batch: 837505

Client Sample ID: SW-6

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	0.028	cn	0.100	0.132		mg/L		103	75 - 125

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Method: 218.6 - Chromium, Hexavalent (Ion Chromatography)

Lab Sample ID: 410-287459-5 MSD

Matrix: Water

Analysis Batch: 837505

Client Sample ID: SW-6

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cr (VI)	0.028	cn	0.100	0.133		mg/L		105	75 - 125	1	20

Method: 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 410-838552/58

Matrix: Water

Analysis Batch: 838552

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20	0.10	mg/L			06/19/26 13:12	1

Lab Sample ID: LCS 410-838552/56

Matrix: Water

Analysis Batch: 838552

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	1.50	1.52		mg/L		101	90 - 110

Lab Sample ID: LCSD 410-838552/57

Matrix: Water

Analysis Batch: 838552

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	1.50	1.52		mg/L		101	90 - 110	0	20

Lab Sample ID: MB 410-838556/40

Matrix: Water

Analysis Batch: 838556

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	ND		0.20	0.10	mg/L			06/19/26 08:05	1

Lab Sample ID: LCS 410-838556/38

Matrix: Water

Analysis Batch: 838556

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	1.50	1.48		mg/L		99	90 - 110

Lab Sample ID: LCSD 410-838556/39

Matrix: Water

Analysis Batch: 838556

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	1.50	1.49		mg/L		99	90 - 110	0	20

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Method: 9056A - Anions, Ion Chromatography (Continued)

Lab Sample ID: 410-287459-1 MS

Matrix: Water

Analysis Batch: 838552

Client Sample ID: SW-1

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	ND		1.00	1.10		mg/L		110	90 - 110

Lab Sample ID: 410-287459-1 DU

Matrix: Water

Analysis Batch: 838552

Client Sample ID: SW-1

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Fluoride	ND		ND		mg/L		NC	15

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Lab Sample ID: MB 410-836808/8-A

Matrix: Water

Analysis Batch: 837151

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 836808

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.0	1.1	ng/L		06/17/26 09:53	06/18/26 01:10	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.60	ng/L		06/17/26 09:53	06/18/26 01:10	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.50	ng/L		06/17/26 09:53	06/18/26 01:10	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.80	ng/L		06/17/26 09:53	06/18/26 01:10	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.90	ng/L		06/17/26 09:53	06/18/26 01:10	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.50	ng/L		06/17/26 09:53	06/18/26 01:10	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.50	ng/L		06/17/26 09:53	06/18/26 01:10	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.50	ng/L		06/17/26 09:53	06/18/26 01:10	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.50	ng/L		06/17/26 09:53	06/18/26 01:10	1
Perfluorotridecanoic acid (PFTTrDA)	ND		2.0	0.50	ng/L		06/17/26 09:53	06/18/26 01:10	1
Perfluorotetradecanoic acid (PFTeDA)	ND		2.0	0.50	ng/L		06/17/26 09:53	06/18/26 01:10	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.50	ng/L		06/17/26 09:53	06/18/26 01:10	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.50	ng/L		06/17/26 09:53	06/18/26 01:10	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.80	ng/L		06/17/26 09:53	06/18/26 01:10	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.50	ng/L		06/17/26 09:53	06/18/26 01:10	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	1.3	ng/L		06/17/26 09:53	06/18/26 01:10	1
Perfluorononanesulfonic acid (PFNS)	ND		2.0	0.50	ng/L		06/17/26 09:53	06/18/26 01:10	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.50	ng/L		06/17/26 09:53	06/18/26 01:10	1
Perfluorododecanesulfonic acid (PFDoS)	ND		2.0	0.60	ng/L		06/17/26 09:53	06/18/26 01:10	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		4.0	1.0	ng/L		06/17/26 09:53	06/18/26 01:10	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		4.0	1.0	ng/L		06/17/26 09:53	06/18/26 01:10	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		4.0	1.0	ng/L		06/17/26 09:53	06/18/26 01:10	1
Perfluorooctanesulfonamide (PFOSA)	ND		2.0	0.50	ng/L		06/17/26 09:53	06/18/26 01:10	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		2.0	0.50	ng/L		06/17/26 09:53	06/18/26 01:10	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		2.0	1.1	ng/L		06/17/26 09:53	06/18/26 01:10	1
N-methylperfluorooctanesulfonamidoa cetic acid (NMeFOSAA)	ND		2.0	0.50	ng/L		06/17/26 09:53	06/18/26 01:10	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 410-836808/8-A

Matrix: Water

Analysis Batch: 837151

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 836808

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.0	0.50	ng/L		06/17/26 09:53	06/18/26 01:10	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		10	4.0	ng/L		06/17/26 09:53	06/18/26 01:10	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		10	4.0	ng/L		06/17/26 09:53	06/18/26 01:10	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		2.0	1.4	ng/L		06/17/26 09:53	06/18/26 01:10	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.50	ng/L		06/17/26 09:53	06/18/26 01:10	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.50	ng/L		06/17/26 09:53	06/18/26 01:10	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.50	ng/L		06/17/26 09:53	06/18/26 01:10	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.50	ng/L		06/17/26 09:53	06/18/26 01:10	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		2.0	0.50	ng/L		06/17/26 09:53	06/18/26 01:10	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.50	ng/L		06/17/26 09:53	06/18/26 01:10	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		2.0	0.50	ng/L		06/17/26 09:53	06/18/26 01:10	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		4.0	1.0	ng/L		06/17/26 09:53	06/18/26 01:10	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		10	2.8	ng/L		06/17/26 09:53	06/18/26 01:10	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	2.63	J B	10	2.5	ng/L		06/17/26 09:53	06/18/26 01:10	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	92.1		5 - 130	06/17/26 09:53	06/18/26 01:10	1
13C5 PFPeA	91.3		40 - 130	06/17/26 09:53	06/18/26 01:10	1
13C5 PFHxA	87.0		40 - 130	06/17/26 09:53	06/18/26 01:10	1
13C4 PFHpA	87.7		40 - 130	06/17/26 09:53	06/18/26 01:10	1
13C8 PFOA	90.0		40 - 130	06/17/26 09:53	06/18/26 01:10	1
13C9 PFNA	85.5		40 - 130	06/17/26 09:53	06/18/26 01:10	1
13C6 PFDA	80.2		40 - 130	06/17/26 09:53	06/18/26 01:10	1
13C7 PFUnA	75.6		30 - 130	06/17/26 09:53	06/18/26 01:10	1
13C2 PFTeDA	51.8		10 - 130	06/17/26 09:53	06/18/26 01:10	1
13C3 PFBS	82.3		40 - 135	06/17/26 09:53	06/18/26 01:10	1
13C3 PFHxS	73.3		40 - 130	06/17/26 09:53	06/18/26 01:10	1
13C8 PFOS	84.5		40 - 130	06/17/26 09:53	06/18/26 01:10	1
13C8 FOSA	79.1		40 - 130	06/17/26 09:53	06/18/26 01:10	1
d3-NMeFOSAA	74.3		40 - 170	06/17/26 09:53	06/18/26 01:10	1
d5-NEtFOSAA	75.8		25 - 135	06/17/26 09:53	06/18/26 01:10	1
13C2 4:2 FTS	78.7		40 - 200	06/17/26 09:53	06/18/26 01:10	1
13C2 6:2 FTS	72.6		40 - 200	06/17/26 09:53	06/18/26 01:10	1
13C2 8:2 FTS	62.3		40 - 300	06/17/26 09:53	06/18/26 01:10	1
13C3 HFPO-DA	83.3		40 - 130	06/17/26 09:53	06/18/26 01:10	1
d7-N-MeFOSE-M	43.7		10 - 130	06/17/26 09:53	06/18/26 01:10	1
d9-N-EtFOSE-M	40.1		10 - 130	06/17/26 09:53	06/18/26 01:10	1
d5-NEtPFOSA	59.1		10 - 130	06/17/26 09:53	06/18/26 01:10	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 410-836808/8-A

Matrix: Water

Analysis Batch: 837151

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 836808

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
d3-NMePFOSA	64.5		10 - 130	06/17/26 09:53	06/18/26 01:10	1
13C2 PFDaA	72.5		10 - 130	06/17/26 09:53	06/18/26 01:10	1
13C3-3:3 FTCA	105		20 - 150	06/17/26 09:53	06/18/26 01:10	1
13C3-5:3 FTCA	96.5		20 - 150	06/17/26 09:53	06/18/26 01:10	1
13C3-PFDoS	32.8		20 - 150	06/17/26 09:53	06/18/26 01:10	1

Lab Sample ID: LCS 410-836808/9-A

Matrix: Water

Analysis Batch: 837151

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 836808

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	80.0	82.4		ng/L		103	70 - 140
Perfluoropentanoic acid (PFPeA)	40.0	37.8		ng/L		95	65 - 135
Perfluorohexanoic acid (PFHxA)	40.0	35.8		ng/L		90	70 - 145
Perfluoroheptanoic acid (PFHpA)	40.0	39.5		ng/L		99	70 - 150
Perfluorooctanoic acid (PFOA)	40.0	40.0		ng/L		100	70 - 150
Perfluorononanoic acid (PFNA)	40.0	35.8		ng/L		90	70 - 150
Perfluorodecanoic acid (PFDA)	40.0	35.6		ng/L		89	70 - 140
Perfluoroundecanoic acid (PFUnA)	40.0	40.2		ng/L		101	70 - 145
Perfluorododecanoic acid (PFDoA)	40.0	37.4		ng/L		94	70 - 140
Perfluorotridecanoic acid (PFTrDA)	40.0	42.4		ng/L		106	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	40.0	35.0		ng/L		88	60 - 140
Perfluorobutanesulfonic acid (PFBS)	35.5	32.5		ng/L		91	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	37.6	36.2		ng/L		96	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	36.5	36.2		ng/L		99	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	38.2	37.9		ng/L		99	70 - 150
Perfluorooctanesulfonic acid (PFOS)	37.2	31.5		ng/L		85	55 - 150
Perfluorononanesulfonic acid (PFNS)	38.5	30.1		ng/L		78	65 - 145
Perfluorodecanesulfonic acid (PFDS)	38.6	28.2		ng/L		73	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	38.8	36.8		ng/L		95	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	75.0	75.0		ng/L		100	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	76.2	67.4		ng/L		89	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	76.8	76.9		ng/L		100	60 - 150
Perfluorooctanesulfonamide (PFOSA)	40.0	37.0		ng/L		93	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	40.0	38.6		ng/L		97	60 - 150

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-836808/9-A

Matrix: Water

Analysis Batch: 837151

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 836808

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
N-ethylperfluorooctane sulfonamide (NEtFOSA)	40.0	39.4		ng/L		99	65 - 145
N-methylperfluorooctanesulfonamide (NMeFOSA)	40.0	37.0		ng/L		92	50 - 140
N-ethylperfluorooctanesulfonamide (NEtFOSA)	40.0	34.4		ng/L		86	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	200	183		ng/L		92	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	200	183		ng/L		92	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	30.1	28.1		ng/L		94	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	37.5		ng/L		99	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	40.0	39.8		ng/L		100	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	40.0	36.2		ng/L		91	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	40.0	33.6		ng/L		84	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	37.4	31.2		ng/L		84	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	37.8	27.0		ng/L		72	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	35.7	33.1		ng/L		93	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	80.0	62.3		ng/L		78	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	200	142		ng/L		71	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	200	153		ng/L		76	50 - 145

Isotope Dilution	LCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	91.1		5 - 130
13C5 PFPeA	91.9		40 - 130
13C5 PFHxA	94.9		40 - 130
13C4 PFHpA	91.5		40 - 130
13C8 PFOA	92.3		40 - 130
13C9 PFNA	91.7		40 - 130
13C6 PFDA	87.2		40 - 130
13C7 PFUnA	81.2		30 - 130
13C2 PFTeDA	57.1		10 - 130
13C3 PFBS	87.7		40 - 135
13C3 PFHxS	84.1		40 - 130
13C8 PFOS	90.7		40 - 130
13C8 FOSA	77.5		40 - 130
d3-NMeFOSAA	72.8		40 - 170
d5-NEtFOSAA	77.1		25 - 135
13C2 4:2 FTS	86.8		40 - 200
13C2 6:2 FTS	81.9		40 - 200

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-836808/9-A

Matrix: Water

Analysis Batch: 837151

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 836808

<i>Isotope Dilution</i>	<i>LCS %Recovery</i>	<i>LCS Qualifier</i>	<i>Limits</i>
13C2 8:2 FTS	66.8		40 - 300
13C3 HFPO-DA	88.6		40 - 130
d7-N-MeFOSE-M	67.4		10 - 130
d9-N-EtFOSE-M	67.3		10 - 130
d5-NEtPFOSA	62.6		10 - 130
d3-NMePFOSA	68.7		10 - 130
13C2 PFDaA	80.8		10 - 130
13C3-3:3 FTCA	109		20 - 150
13C3-5:3 FTCA	103		20 - 150
13C3-PFDaS	37.6		20 - 150

Lab Sample ID: LLCS 410-836808/10-A

Matrix: Water

Analysis Batch: 837151

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 836808

<i>Analyte</i>	<i>Spike Added</i>	<i>LLCS Result</i>	<i>LLCS Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec Limits</i>
Perfluorobutanoic acid (PFBA)	8.00	8.10		ng/L		101	70 - 140
Perfluoropentanoic acid (PFPeA)	4.00	3.97		ng/L		99	65 - 135
Perfluorohexanoic acid (PFHxA)	4.00	4.03		ng/L		101	70 - 145
Perfluoroheptanoic acid (PFHpA)	4.00	4.12		ng/L		103	70 - 150
Perfluorooctanoic acid (PFOA)	4.00	4.21		ng/L		105	70 - 150
Perfluorononanoic acid (PFNA)	4.00	4.32		ng/L		108	70 - 150
Perfluorodecanoic acid (PFDA)	4.00	3.74		ng/L		93	70 - 140
Perfluoroundecanoic acid (PFUnA)	4.00	3.93		ng/L		98	70 - 145
Perfluorododecanoic acid (PFDaA)	4.00	3.69		ng/L		92	70 - 140
Perfluorotridecanoic acid (PFTrDA)	4.00	4.42		ng/L		110	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	4.00	3.28		ng/L		82	60 - 140
Perfluorobutanesulfonic acid (PFBS)	3.55	3.25		ng/L		92	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	3.76	3.69		ng/L		98	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	3.65	3.82		ng/L		105	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	3.82	3.42		ng/L		90	70 - 150
Perfluorooctanesulfonic acid (PFOS)	3.72	3.70		ng/L		100	55 - 150
Perfluorononanesulfonic acid (PFNS)	3.85	3.33		ng/L		87	65 - 145
Perfluorodecanesulfonic acid (PFDS)	3.86	3.24		ng/L		84	60 - 145
Perfluorododecanesulfonic acid (PFDaS)	3.88	3.72		ng/L		96	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	7.50	8.39		ng/L		112	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	7.62	6.74		ng/L		88	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	7.68	8.79		ng/L		114	60 - 150

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 410-836808/10-A

Matrix: Water

Analysis Batch: 837151

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 836808

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorooctanesulfonamide (PFOSA)	4.00	3.99		ng/L		100	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	4.00	3.76		ng/L		94	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	4.00	4.06		ng/L		101	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.00	4.02		ng/L		101	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.00	5.10		ng/L		127	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	20.0	19.6		ng/L		98	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	20.0	19.2		ng/L		96	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	3.01	3.03	I	ng/L		101	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.78	3.65		ng/L		96	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.00	4.08		ng/L		102	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.00	3.80		ng/L		95	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.00	3.32		ng/L		83	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	3.74	3.34		ng/L		89	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	3.78	3.06		ng/L		81	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	3.57	3.20		ng/L		90	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	8.00	8.87		ng/L		111	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	20.0	19.3		ng/L		97	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	20.0	18.6		ng/L		93	50 - 145

Isotope Dilution	LLCS %Recovery	LLCS Qualifier	Limits
13C4 PFBA	89.6		5 - 130
13C5 PFPeA	86.9		40 - 130
13C5 PFHxA	85.7		40 - 130
13C4 PFHpA	83.4		40 - 130
13C8 PFOA	86.9		40 - 130
13C9 PFNA	83.0		40 - 130
13C6 PFDA	84.3		40 - 130
13C7 PFUnA	78.2		30 - 130
13C2 PFTeDA	52.7		10 - 130
13C3 PFBS	83.6		40 - 135
13C3 PFHxS	77.9		40 - 130
13C8 PFOS	80.9		40 - 130
13C8 FOSA	78.0		40 - 130

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 410-836808/10-A

Matrix: Water

Analysis Batch: 837151

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 836808

Isotope Dilution	LLCS		Limits
	%Recovery	Qualifier	
d3-NMeFOSAA	74.8		40 - 170
d5-NEtFOSAA	71.8		25 - 135
13C2 4:2 FTS	78.7		40 - 200
13C2 6:2 FTS	82.1		40 - 200
13C2 8:2 FTS	59.5		40 - 300
13C3 HFPO-DA	80.9		40 - 130
d7-N-MeFOSE-M	59.1		10 - 130
d9-N-EtFOSE-M	58.5		10 - 130
d5-NEtPFOSA	63.5		10 - 130
d3-NMePFOSA	67.8		10 - 130
13C2 PFDaA	76.6		10 - 130
13C3-3:3 FTCA	96.4		20 - 150
13C3-5:3 FTCA	96.5		20 - 150
13C3-PFDoS	38.1		20 - 150

Lab Sample ID: 410-287459-1 MS

Matrix: Water

Analysis Batch: 837151

Client Sample ID: SW-1

Prep Type: Total/NA

Prep Batch: 836808

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec Limits
				Result	Qualifier				
Perfluorobutanoic acid (PFBA)	4.0		56.8	64.6		ng/L		107	70 - 140
Perfluoropentanoic acid (PFPeA)	4.2		28.4	30.4		ng/L		92	65 - 135
Perfluorohexanoic acid (PFHxA)	5.4		28.4	34.2		ng/L		102	70 - 145
Perfluoroheptanoic acid (PFHpA)	2.9		28.4	29.3		ng/L		93	70 - 150
Perfluorooctanoic acid (PFOA)	9.3		28.4	35.3		ng/L		92	70 - 150
Perfluorononanoic acid (PFNA)	2.0		28.4	26.7		ng/L		87	70 - 150
Perfluorodecanoic acid (PFDA)	0.45	J	28.4	28.5		ng/L		99	70 - 140
Perfluoroundecanoic acid (PFUnA)	ND		28.4	26.3		ng/L		93	70 - 145
Perfluorododecanoic acid (PFDaA)	ND		28.4	27.6		ng/L		97	70 - 140
Perfluorotridecanoic acid (PFTTrDA)	ND		28.4	29.3		ng/L		103	65 - 140
Perfluorotetradecanoic acid (PFTTeDA)	ND		28.4	26.0		ng/L		92	60 - 140
Perfluorobutanesulfonic acid (PFBS)	4.7		25.2	28.4		ng/L		94	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	ND		26.7	28.4		ng/L		106	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	2.7		25.9	29.0		ng/L		101	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	ND		27.1	27.1		ng/L		100	70 - 150
Perfluorooctanesulfonic acid (PFOS)	7.2		26.4	29.8		ng/L		86	55 - 150
Perfluorononanesulfonic acid (PFNS)	ND		27.3	22.5		ng/L		82	65 - 145
Perfluorodecanesulfonic acid (PFDS)	ND		27.4	21.5		ng/L		78	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	ND		27.5	26.3		ng/L		95	50 - 145

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: 410-287459-1 MS

Matrix: Water

Analysis Batch: 837151

Client Sample ID: SW-1

Prep Type: Total/NA

Prep Batch: 836808

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		53.3	48.8		ng/L		92	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		54.0	52.5		ng/L		97	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		54.5	50.6		ng/L		93	60 - 150
Perfluorooctanesulfonamide (PFOSA)	ND		28.4	27.2		ng/L		96	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		28.4	27.2		ng/L		96	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		28.4	26.8		ng/L		94	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		28.4	25.5		ng/L		90	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		28.4	25.5		ng/L		90	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		142	133		ng/L		94	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		142	126		ng/L		89	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		21.3	19.9		ng/L		93	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		26.9	26.1		ng/L		97	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		28.4	27.9		ng/L		98	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		28.4	25.4		ng/L		89	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		28.4	26.6		ng/L		94	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		26.5	21.5		ng/L		81	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		26.8	19.1		ng/L		71	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		25.3	24.4		ng/L		96	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		56.8	49.0		ng/L		86	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		142	100		ng/L		71	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND	B cn	142	105	cn	ng/L		74	50 - 145
Isotope Dilution	MS %Recovery	MS Qualifier	Limits						
13C4 PFBA	92.4		5 - 130						
13C5 PFPeA	97.8		40 - 130						
13C5 PFHxA	88.5		40 - 130						
13C4 PFHpA	91.4		40 - 130						
13C8 PFOA	83.7		40 - 130						
13C9 PFNA	84.5		40 - 130						
13C6 PFDA	77.4		40 - 130						
13C7 PFUnA	76.9		30 - 130						

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: 410-287459-1 MS

Matrix: Water

Analysis Batch: 837151

Client Sample ID: SW-1

Prep Type: Total/NA

Prep Batch: 836808

Isotope Dilution	%Recovery	MS MS Qualifier	Limits
13C2 PFTeDA	47.6	cn	10 - 130
13C3 PFBS	83.0		40 - 135
13C3 PFHxS	75.7		40 - 130
13C8 PFOS	83.8		40 - 130
13C8 FOSA	73.5		40 - 130
d3-NMeFOSAA	67.4		40 - 170
d5-NEtFOSAA	66.1		25 - 135
13C2 4:2 FTS	85.5		40 - 200
13C2 6:2 FTS	80.8		40 - 200
13C2 8:2 FTS	59.6	cn	40 - 300
13C3 HFPO-DA	86.8		40 - 130
d7-N-MeFOSE-M	49.6		10 - 130
d9-N-EtFOSE-M	48.4		10 - 130
d5-NEtPFOSA	59.1		10 - 130
d3-NMePFOSA	61.4		10 - 130
13C2 PFDoA	71.0		10 - 130
13C3-3:3 FTCA	107		20 - 150
13C3-5:3 FTCA	98.6		20 - 150
13C3-PFDoS	34.4	cn	20 - 150

Lab Sample ID: 410-287459-1 MSD

Matrix: Water

Analysis Batch: 837151

Client Sample ID: SW-1

Prep Type: Total/NA

Prep Batch: 836808

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	4.0		57.1	63.5		ng/L		104	70 - 140	2	30
Perfluoropentanoic acid (PFPeA)	4.2		28.6	30.9		ng/L		93	65 - 135	1	30
Perfluorohexanoic acid (PFHxA)	5.4		28.6	29.5		ng/L		84	70 - 145	15	30
Perfluoroheptanoic acid (PFHpA)	2.9		28.6	30.1		ng/L		95	70 - 150	2	30
Perfluorooctanoic acid (PFOA)	9.3		28.6	33.5		ng/L		85	70 - 150	5	30
Perfluorononanoic acid (PFNA)	2.0		28.6	28.7		ng/L		93	70 - 150	7	30
Perfluorodecanoic acid (PFDA)	0.45	J	28.6	27.5		ng/L		95	70 - 140	4	30
Perfluoroundecanoic acid (PFUnA)	ND		28.6	28.7		ng/L		101	70 - 145	9	30
Perfluorododecanoic acid (PFDoA)	ND		28.6	29.5		ng/L		103	70 - 140	7	30
Perfluorotridecanoic acid (PFTTrDA)	ND		28.6	31.9		ng/L		112	65 - 140	8	30
Perfluorotetradecanoic acid (PFTeDA)	ND		28.6	27.0		ng/L		94	60 - 140	3	30
Perfluorobutanesulfonic acid (PFBS)	4.7		25.4	28.0		ng/L		92	60 - 145	1	30
Perfluoropentanesulfonic acid (PFPeS)	ND		26.8	28.1		ng/L		105	65 - 140	1	30
Perfluorohexanesulfonic acid (PFHxS)	2.7		26.0	27.9		ng/L		97	65 - 145	4	30
Perfluoroheptanesulfonic acid (PFHpS)	ND		27.2	28.1		ng/L		103	70 - 150	4	30
Perfluorooctanesulfonic acid (PFOS)	7.2		26.6	31.6		ng/L		92	55 - 150	6	30

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: 410-287459-1 MSD

Matrix: Water

Analysis Batch: 837151

Client Sample ID: SW-1

Prep Type: Total/NA

Prep Batch: 836808

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorononanesulfonic acid (PFNS)	ND		27.5	21.8		ng/L		79	65 - 145	3	30
Perfluorodecanesulfonic acid (PFDS)	ND		27.5	21.5		ng/L		78	60 - 145	0	30
Perfluorododecanesulfonic acid (PFDoS)	ND		27.7	27.4		ng/L		99	50 - 145	4	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		53.6	52.1		ng/L		97	70 - 145	7	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		54.4	48.1		ng/L		88	65 - 155	9	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		54.8	53.7		ng/L		98	60 - 150	6	30
Perfluorooctanesulfonamide (PFOSA)	ND		28.6	27.3		ng/L		96	70 - 145	0	30
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		28.6	28.9		ng/L		101	60 - 150	6	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		28.6	28.2		ng/L		99	65 - 145	5	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		28.6	27.3		ng/L		96	50 - 140	7	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		28.6	27.4		ng/L		96	70 - 145	7	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		143	132		ng/L		92	70 - 145	1	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		143	124		ng/L		87	70 - 135	2	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		21.5	20.3		ng/L		95	70 - 140	2	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		27.0	26.1		ng/L		97	65 - 145	0	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		28.6	28.5		ng/L		100	55 - 140	2	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		28.6	26.5		ng/L		93	60 - 150	4	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		28.6	23.3		ng/L		82	50 - 150	13	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		26.7	22.8		ng/L		85	70 - 155	6	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		27.0	19.7		ng/L		73	55 - 160	3	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		25.5	22.0		ng/L		86	70 - 140	10	30
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		57.1	49.6		ng/L		87	65 - 130	1	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		143	110		ng/L		77	70 - 135	9	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND	B cn	143	101 cn		ng/L		70	50 - 145	5	30
Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits								
13C4 PFBA	93.8		5 - 130								
13C5 PFPeA	94.1		40 - 130								
13C5 PFHxA	98.4		40 - 130								

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: 410-287459-1 MSD

Matrix: Water

Analysis Batch: 837151

Client Sample ID: SW-1

Prep Type: Total/NA

Prep Batch: 836808

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFHpA	91.8		40 - 130
13C8 PFOA	91.1		40 - 130
13C9 PFNA	86.2		40 - 130
13C6 PFDA	83.5		40 - 130
13C7 PFUnA	76.2		30 - 130
13C2 PFTeDA	51.3	cn	10 - 130
13C3 PFBS	86.0		40 - 135
13C3 PFHxS	81.9		40 - 130
13C8 PFOS	87.4		40 - 130
13C8 FOSA	78.5		40 - 130
d3-NMeFOSAA	71.2		40 - 170
d5-NEtFOSAA	70.0		25 - 135
13C2 4:2 FTS	84.4		40 - 200
13C2 6:2 FTS	86.8		40 - 200
13C2 8:2 FTS	62.3	cn	40 - 300
13C3 HFPO-DA	88.7		40 - 130
d7-N-MeFOSE-M	55.1		10 - 130
d9-N-EtFOSE-M	54.2		10 - 130
d5-NEtPFOSA	62.1		10 - 130
d3-NMePFOSA	65.1		10 - 130
13C2 PFDoA	72.6		10 - 130
13C3-3:3 FTCA	106		20 - 150
13C3-5:3 FTCA	97.8		20 - 150
13C3-PFDoS	36.8	cn	20 - 150

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 410-834147/1-A

Matrix: Water

Analysis Batch: 835742

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 834147

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0021	0.00057	mg/L		06/12/26 07:10	06/15/26 17:46	1
Nickel	ND		0.0010	0.00041	mg/L		06/12/26 07:10	06/15/26 17:46	1
Manganese	ND		0.0021	0.0013	mg/L		06/12/26 07:10	06/15/26 17:46	1
Calcium	ND		0.10	0.052	mg/L		06/12/26 07:10	06/15/26 17:46	1
Magnesium	ND		0.052	0.016	mg/L		06/12/26 07:10	06/15/26 17:46	1

Lab Sample ID: LCS 410-834147/2-A

Matrix: Water

Analysis Batch: 835742

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 834147

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	0.500	0.522		mg/L		104	84 - 113
Nickel	0.500	0.545		mg/L		109	85 - 113
Manganese	0.500	0.521		mg/L		104	84 - 113
Calcium	5.00	5.28		mg/L		106	84 - 113
Magnesium	5.00	5.30		mg/L		106	84 - 113

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 410-835440/1-A

Matrix: Water

Analysis Batch: 836189

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 835440

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0021	0.00057	mg/L		06/15/26 12:57	06/16/26 12:43	1
Nickel	ND		0.0010	0.00041	mg/L		06/15/26 12:57	06/16/26 12:43	1
Manganese	ND		0.0021	0.0013	mg/L		06/15/26 12:57	06/16/26 12:43	1
Calcium	ND		0.10	0.052	mg/L		06/15/26 12:57	06/16/26 12:43	1
Magnesium	ND		0.052	0.016	mg/L		06/15/26 12:57	06/16/26 12:43	1

Lab Sample ID: LCS 410-835440/2-A

Matrix: Water

Analysis Batch: 836189

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 835440

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	0.500	0.489		mg/L		98	84 - 113
Nickel	0.500	0.486		mg/L		97	85 - 113
Manganese	0.500	0.493		mg/L		99	84 - 113
Calcium	5.00	4.88		mg/L		98	84 - 113
Magnesium	5.00	4.93		mg/L		99	84 - 113

Lab Sample ID: MB 410-838966/1-A

Matrix: Water

Analysis Batch: 839448

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 838966

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0021	0.00057	mg/L		06/22/26 00:30	06/22/26 09:15	1
Nickel	ND		0.0010	0.00041	mg/L		06/22/26 00:30	06/22/26 09:15	1
Manganese	ND		0.0021	0.0013	mg/L		06/22/26 00:30	06/22/26 09:15	1
Calcium	ND		0.10	0.052	mg/L		06/22/26 00:30	06/22/26 09:15	1
Magnesium	ND		0.052	0.016	mg/L		06/22/26 00:30	06/22/26 09:15	1

Lab Sample ID: LCS 410-838966/2-A

Matrix: Water

Analysis Batch: 839448

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 838966

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	0.500	0.512		mg/L		102	84 - 113
Nickel	0.500	0.514		mg/L		103	85 - 113
Manganese	0.500	0.515		mg/L		103	84 - 113
Calcium	5.00	5.11		mg/L		102	84 - 113
Magnesium	5.00	5.16		mg/L		103	84 - 113

Lab Sample ID: MB 410-833897/1-A

Matrix: Water

Analysis Batch: 834471

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 833897

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	ND		0.0020	0.0012	mg/L		06/11/26 22:06	06/12/26 11:10	1
Calcium	ND		0.10	0.050	mg/L		06/11/26 22:06	06/12/26 11:10	1
Magnesium	ND		0.050	0.016	mg/L		06/11/26 22:06	06/12/26 11:10	1

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 410-833897/2-A
Matrix: Water
Analysis Batch: 834471

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 833897

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Manganese	0.500	0.493		mg/L		99	84 - 113
Calcium	5.00	5.12		mg/L		102	84 - 113
Magnesium	5.00	4.84		mg/L		97	84 - 113

Lab Sample ID: MB 410-835080/1-A
Matrix: Water
Analysis Batch: 835724

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 835080

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	ND		0.0020	0.0012	mg/L		06/15/26 08:40	06/15/26 19:22	1
Calcium	ND		0.10	0.050	mg/L		06/15/26 08:40	06/15/26 19:22	1
Magnesium	ND		0.050	0.016	mg/L		06/15/26 08:40	06/15/26 19:22	1

Lab Sample ID: LCS 410-835080/2-A
Matrix: Water
Analysis Batch: 835724

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 835080

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Manganese	0.500	0.506		mg/L		101	84 - 113
Calcium	5.00	4.95		mg/L		99	84 - 113
Magnesium	5.00	5.10		mg/L		102	84 - 113

Lab Sample ID: MB 410-835081/1-A
Matrix: Water
Analysis Batch: 836189

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 835081

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	ND		0.0020	0.0012	mg/L		06/15/26 08:00	06/16/26 09:58	1
Calcium	ND		0.10	0.050	mg/L		06/15/26 08:00	06/16/26 09:58	1
Magnesium	ND		0.050	0.016	mg/L		06/15/26 08:00	06/16/26 09:58	1

Lab Sample ID: LCS 410-835081/2-A
Matrix: Water
Analysis Batch: 836189

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 835081

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Manganese	0.500	0.525		mg/L		105	84 - 113
Calcium	5.00	4.88		mg/L		98	84 - 113
Magnesium	5.00	5.20		mg/L		104	84 - 113

Lab Sample ID: MB 410-835095/1-A
Matrix: Water
Analysis Batch: 835724

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 835095

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	ND		0.0020	0.0012	mg/L		06/15/26 08:00	06/15/26 15:37	1
Calcium	ND		0.10	0.050	mg/L		06/15/26 08:00	06/15/26 15:37	1
Magnesium	ND		0.050	0.016	mg/L		06/15/26 08:00	06/15/26 15:37	1

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 410-835095/2-A

Matrix: Water

Analysis Batch: 835724

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 835095

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Manganese	0.500	0.512		mg/L		102	84 - 113
Calcium	5.00	5.10		mg/L		102	84 - 113
Magnesium	5.00	5.12		mg/L		102	84 - 113

Lab Sample ID: 410-287459-1 MS

Matrix: Water

Analysis Batch: 835724

Client Sample ID: SW-1

Prep Type: Total Recoverable

Prep Batch: 835095

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Manganese	0.010		0.500	0.500		mg/L		98	75 - 125
Calcium	19		5.00	23.9		mg/L		92	75 - 125
Magnesium	9.8		5.00	14.6		mg/L		94	75 - 125

Lab Sample ID: 410-287459-1 MSD

Matrix: Water

Analysis Batch: 835724

Client Sample ID: SW-1

Prep Type: Total Recoverable

Prep Batch: 835095

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Manganese	0.010		0.500	0.522		mg/L		102	75 - 125	4	20
Calcium	19		5.00	24.5		mg/L		104	75 - 125	2	20
Magnesium	9.8		5.00	15.2		mg/L		108	75 - 125	5	20

Lab Sample ID: 410-287459-1 DU

Matrix: Water

Analysis Batch: 835724

Client Sample ID: SW-1

Prep Type: Total Recoverable

Prep Batch: 835095

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	%Rec	RPD	RPD Limit
Manganese	0.010		0.00926		mg/L			8	20

Lab Sample ID: 410-287459-1 MS

Matrix: Water

Analysis Batch: 835742

Client Sample ID: SW-1

Prep Type: Dissolved

Prep Batch: 834147

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	ND		0.500	0.519		mg/L		104	75 - 125
Nickel	0.00063	J	0.500	0.529		mg/L		106	75 - 125
Manganese	ND		0.500	0.517		mg/L		103	75 - 125
Calcium	20		5.00	25.1		mg/L		106	75 - 125
Magnesium	9.9		5.00	15.0		mg/L		102	75 - 125

Lab Sample ID: 410-287459-1 MSD

Matrix: Water

Analysis Batch: 835742

Client Sample ID: SW-1

Prep Type: Dissolved

Prep Batch: 834147

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium	ND		0.500	0.530		mg/L		106	75 - 125	2	20
Nickel	0.00063	J	0.500	0.549		mg/L		110	75 - 125	4	20
Manganese	ND		0.500	0.524		mg/L		105	75 - 125	2	20
Calcium	20		5.00	25.2		mg/L		108	75 - 125	0	20
Magnesium	9.9		5.00	15.0		mg/L		102	75 - 125	0	20

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: 410-287459-1 DU

Matrix: Water

Analysis Batch: 835742

Client Sample ID: SW-1

Prep Type: Dissolved

Prep Batch: 834147

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Chromium	ND		ND		mg/L		NC	20
Nickel	0.00063	J	0.000534	J	mg/L		17	20
Manganese	ND		ND		mg/L		NC	20
Calcium	20		19.9		mg/L		0.4	20
Magnesium	9.9		9.87		mg/L		0.5	20

Lab Sample ID: 410-287459-8 MS

Matrix: Water

Analysis Batch: 839448

Client Sample ID: SW-9

Prep Type: Dissolved

Prep Batch: 838966

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Chromium	0.030		0.500	0.541		mg/L		102	75 - 125		
Nickel	0.0097		0.500	0.512		mg/L		101	75 - 125		
Manganese	0.0015	J	0.500	0.513		mg/L		102	75 - 125		
Calcium	39	4	5.00	42.6	4	mg/L		78	75 - 125		
Magnesium	12		5.00	16.6		mg/L		91	75 - 125		

Lab Sample ID: 410-287459-8 MSD

Matrix: Water

Analysis Batch: 839448

Client Sample ID: SW-9

Prep Type: Dissolved

Prep Batch: 838966

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Chromium	0.030		0.500	0.539		mg/L		102	75 - 125	0	20
Nickel	0.0097		0.500	0.509		mg/L		100	75 - 125	1	20
Manganese	0.0015	J	0.500	0.511		mg/L		102	75 - 125	0	20
Calcium	39	4	5.00	42.2	4	mg/L		71	75 - 125	1	20
Magnesium	12		5.00	16.5		mg/L		88	75 - 125	1	20

Lab Sample ID: 410-287459-11 MS

Matrix: Water

Analysis Batch: 839448

Client Sample ID: Field Blank SW

Prep Type: Dissolved

Prep Batch: 838966

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Chromium	ND		0.500	0.525		mg/L		105	75 - 125		
Nickel	ND		0.500	0.523		mg/L		105	75 - 125		
Manganese	ND		0.500	0.528		mg/L		106	75 - 125		
Calcium	ND		5.00	5.21		mg/L		104	75 - 125		
Magnesium	ND		5.00	5.27		mg/L		105	75 - 125		

Lab Sample ID: 410-287459-11 MSD

Matrix: Water

Analysis Batch: 839448

Client Sample ID: Field Blank SW

Prep Type: Dissolved

Prep Batch: 838966

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Chromium	ND		0.500	0.500		mg/L		100	75 - 125	5	20
Nickel	ND		0.500	0.502		mg/L		100	75 - 125	4	20
Manganese	ND		0.500	0.503		mg/L		101	75 - 125	5	20
Calcium	ND		5.00	5.00		mg/L		100	75 - 125	4	20
Magnesium	ND		5.00	4.99		mg/L		100	75 - 125	5	20

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 410-287459-8 DU

Matrix: Water

Analysis Batch: 839448

Client Sample ID: SW-9

Prep Type: Dissolved

Prep Batch: 838966

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chromium	0.030		0.0304		mg/L		0.06	20
Nickel	0.0097		0.00950		mg/L		2	20
Manganese	0.0015	J	0.00142	J	mg/L		6	20
Calcium	39	4	38.4		mg/L		0.8	20
Magnesium	12		11.8		mg/L		2	20

Lab Sample ID: 410-287459-11 DU

Matrix: Water

Analysis Batch: 839448

Client Sample ID: Field Blank SW

Prep Type: Dissolved

Prep Batch: 838966

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chromium	ND		ND		mg/L		NC	20
Nickel	ND		ND		mg/L		NC	20
Manganese	ND		ND		mg/L		NC	20
Calcium	ND		ND		mg/L		NC	20
Magnesium	ND		ND		mg/L		NC	20

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

GC/MS VOA

Analysis Batch: 837429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-287459-1	SW-1	Total/NA	Water	8260D	
410-287459-2	SW-3	Total/NA	Water	8260D	
410-287459-3	SW-4	Total/NA	Water	8260D	
410-287459-4	SW-5	Total/NA	Water	8260D	
410-287459-5	SW-6	Total/NA	Water	8260D	
410-287459-6	SW-7	Total/NA	Water	8260D	
410-287459-7	SW-8	Total/NA	Water	8260D	
410-287459-8	SW-9	Total/NA	Water	8260D	
410-287459-9	SW-10	Total/NA	Water	8260D	
410-287459-10	Duplicate SW	Total/NA	Water	8260D	
410-287459-11	Field Blank SW	Total/NA	Water	8260D	
MB 410-837429/8	Method Blank	Total/NA	Water	8260D	
LCS 410-837429/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-837429/5	Lab Control Sample Dup	Total/NA	Water	8260D	
410-287459-1 MS	SW-1	Total/NA	Water	8260D	
410-287459-1 MSD	SW-1	Total/NA	Water	8260D	

Analysis Batch: 838068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-287459-12	TB060826	Total/NA	Water	8260D	
MB 410-838068/7	Method Blank	Total/NA	Water	8260D	
LCS 410-838068/64	Lab Control Sample	Total/NA	Water	8260D	

HPLC/IC

Analysis Batch: 832735

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-287459-1	SW-1	Dissolved	Water	218.6	
410-287459-11	Field Blank SW	Dissolved	Water	218.6	
MB 410-832735/139	Method Blank	Total/NA	Water	218.6	
LCS 410-832735/138	Lab Control Sample	Total/NA	Water	218.6	
410-287459-1 MS	SW-1	Dissolved	Water	218.6	
410-287459-1 MSD	SW-1	Dissolved	Water	218.6	
410-287459-1 DU	SW-1	Dissolved	Water	218.6	

Analysis Batch: 833443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-287459-2	SW-3	Dissolved	Water	218.6	
410-287459-3	SW-4	Dissolved	Water	218.6	
410-287459-4	SW-5	Dissolved	Water	218.6	
MB 410-833443/24	Method Blank	Total/NA	Water	218.6	
LCS 410-833443/23	Lab Control Sample	Total/NA	Water	218.6	

Analysis Batch: 837505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-287459-5	SW-6	Dissolved	Water	218.6	
410-287459-6	SW-7	Dissolved	Water	218.6	
410-287459-7	SW-8	Dissolved	Water	218.6	
410-287459-8	SW-9	Dissolved	Water	218.6	
410-287459-9	SW-10	Dissolved	Water	218.6	
410-287459-10	Duplicate SW	Dissolved	Water	218.6	

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

HPLC/IC (Continued)

Analysis Batch: 837505 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-837505/10	Method Blank	Total/NA	Water	218.6	
LCS 410-837505/9	Lab Control Sample	Total/NA	Water	218.6	
410-287459-5 MS	SW-6	Dissolved	Water	218.6	
410-287459-5 MSD	SW-6	Dissolved	Water	218.6	

Analysis Batch: 838552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-287459-1	SW-1	Dissolved	Water	9056A	
410-287459-2	SW-3	Dissolved	Water	9056A	
410-287459-3	SW-4	Dissolved	Water	9056A	
410-287459-4	SW-5	Dissolved	Water	9056A	
410-287459-5	SW-6	Dissolved	Water	9056A	
410-287459-6	SW-7	Dissolved	Water	9056A	
410-287459-7	SW-8	Dissolved	Water	9056A	
410-287459-8	SW-9	Dissolved	Water	9056A	
410-287459-10	Duplicate SW	Dissolved	Water	9056A	
410-287459-11	Field Blank SW	Dissolved	Water	9056A	
MB 410-838552/58	Method Blank	Total/NA	Water	9056A	
LCS 410-838552/56	Lab Control Sample	Total/NA	Water	9056A	
LCSD 410-838552/57	Lab Control Sample Dup	Total/NA	Water	9056A	
410-287459-1 MS	SW-1	Dissolved	Water	9056A	
410-287459-1 DU	SW-1	Dissolved	Water	9056A	

Analysis Batch: 838556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-287459-9	SW-10	Dissolved	Water	9056A	
MB 410-838556/40	Method Blank	Total/NA	Water	9056A	
LCS 410-838556/38	Lab Control Sample	Total/NA	Water	9056A	
LCSD 410-838556/39	Lab Control Sample Dup	Total/NA	Water	9056A	

LCMS

Prep Batch: 836808

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-287459-1	SW-1	Total/NA	Water	1633A	
410-287459-2	SW-3	Total/NA	Water	1633A	
410-287459-3	SW-4	Total/NA	Water	1633A	
410-287459-4	SW-5	Total/NA	Water	1633A	
410-287459-5	SW-6	Total/NA	Water	1633A	
410-287459-6	SW-7	Total/NA	Water	1633A	
410-287459-7	SW-8	Total/NA	Water	1633A	
410-287459-8	SW-9	Total/NA	Water	1633A	
410-287459-9	SW-10	Total/NA	Water	1633A	
410-287459-10	Duplicate SW	Total/NA	Water	1633A	
410-287459-11	Field Blank SW	Total/NA	Water	1633A	
MB 410-836808/8-A	Method Blank	Total/NA	Water	1633A	
LCS 410-836808/9-A	Lab Control Sample	Total/NA	Water	1633A	
LLCS 410-836808/10-A	Lab Control Sample	Total/NA	Water	1633A	
410-287459-1 MS	SW-1	Total/NA	Water	1633A	
410-287459-1 MSD	SW-1	Total/NA	Water	1633A	

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

LCMS

Analysis Batch: 837151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-287459-1	SW-1	Total/NA	Water	1633A	836808
410-287459-2	SW-3	Total/NA	Water	1633A	836808
410-287459-3	SW-4	Total/NA	Water	1633A	836808
410-287459-4	SW-5	Total/NA	Water	1633A	836808
410-287459-5	SW-6	Total/NA	Water	1633A	836808
410-287459-6	SW-7	Total/NA	Water	1633A	836808
410-287459-7	SW-8	Total/NA	Water	1633A	836808
410-287459-8	SW-9	Total/NA	Water	1633A	836808
410-287459-9	SW-10	Total/NA	Water	1633A	836808
410-287459-10	Duplicate SW	Total/NA	Water	1633A	836808
410-287459-11	Field Blank SW	Total/NA	Water	1633A	836808
MB 410-836808/8-A	Method Blank	Total/NA	Water	1633A	836808
LCS 410-836808/9-A	Lab Control Sample	Total/NA	Water	1633A	836808
LLCS 410-836808/10-A	Lab Control Sample	Total/NA	Water	1633A	836808
410-287459-1 MS	SW-1	Total/NA	Water	1633A	836808
410-287459-1 MSD	SW-1	Total/NA	Water	1633A	836808

Metals

Prep Batch: 833897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-287459-2	SW-3	Total Recoverable	Water	3005A	
410-287459-3	SW-4	Total Recoverable	Water	3005A	
410-287459-4	SW-5	Total Recoverable	Water	3005A	
410-287459-5	SW-6	Total Recoverable	Water	3005A	
410-287459-6	SW-7	Total Recoverable	Water	3005A	
410-287459-7	SW-8	Total Recoverable	Water	3005A	
410-287459-8	SW-9	Total Recoverable	Water	3005A	
410-287459-10	Duplicate SW	Total Recoverable	Water	3005A	
410-287459-11	Field Blank SW	Total Recoverable	Water	3005A	
MB 410-833897/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-833897/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 834147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-287459-1	SW-1	Dissolved	Water	Non-Digest Prep	
MB 410-834147/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-834147/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	
410-287459-1 MS	SW-1	Dissolved	Water	Non-Digest Prep	
410-287459-1 MSD	SW-1	Dissolved	Water	Non-Digest Prep	
410-287459-1 DU	SW-1	Dissolved	Water	Non-Digest Prep	

Analysis Batch: 834471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-287459-2	SW-3	Total Recoverable	Water	6020B	833897
410-287459-3	SW-4	Total Recoverable	Water	6020B	833897
410-287459-4	SW-5	Total Recoverable	Water	6020B	833897
410-287459-5	SW-6	Total Recoverable	Water	6020B	833897
410-287459-6	SW-7	Total Recoverable	Water	6020B	833897
410-287459-7	SW-8	Total Recoverable	Water	6020B	833897
410-287459-8	SW-9	Total Recoverable	Water	6020B	833897

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Metals (Continued)

Analysis Batch: 834471 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-287459-10	Duplicate SW	Total Recoverable	Water	6020B	833897
410-287459-11	Field Blank SW	Total Recoverable	Water	6020B	833897
MB 410-833897/1-A	Method Blank	Total Recoverable	Water	6020B	833897
LCS 410-833897/2-A	Lab Control Sample	Total Recoverable	Water	6020B	833897

Prep Batch: 835080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-835080/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-835080/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 835081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-287459-9	SW-10	Total Recoverable	Water	3005A	
MB 410-835081/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-835081/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 835095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-287459-1	SW-1	Total Recoverable	Water	3005A	
MB 410-835095/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-835095/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
410-287459-1 MS	SW-1	Total Recoverable	Water	3005A	
410-287459-1 MSD	SW-1	Total Recoverable	Water	3005A	
410-287459-1 DU	SW-1	Total Recoverable	Water	3005A	

Prep Batch: 835440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-287459-9	SW-10	Dissolved	Water	Non-Digest Prep	
MB 410-835440/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-835440/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	

Analysis Batch: 835724

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-287459-1	SW-1	Total Recoverable	Water	6020B	835095
MB 410-835080/1-A	Method Blank	Total Recoverable	Water	6020B	835080
MB 410-835095/1-A	Method Blank	Total Recoverable	Water	6020B	835095
LCS 410-835080/2-A	Lab Control Sample	Total Recoverable	Water	6020B	835080
LCS 410-835095/2-A	Lab Control Sample	Total Recoverable	Water	6020B	835095
410-287459-1 MS	SW-1	Total Recoverable	Water	6020B	835095
410-287459-1 MSD	SW-1	Total Recoverable	Water	6020B	835095
410-287459-1 DU	SW-1	Total Recoverable	Water	6020B	835095

Analysis Batch: 835742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-287459-1	SW-1	Dissolved	Water	6020B	834147
MB 410-834147/1-A	Method Blank	Total/NA	Water	6020B	834147
LCS 410-834147/2-A	Lab Control Sample	Total/NA	Water	6020B	834147
410-287459-1 MS	SW-1	Dissolved	Water	6020B	834147
410-287459-1 MSD	SW-1	Dissolved	Water	6020B	834147
410-287459-1 DU	SW-1	Dissolved	Water	6020B	834147

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Metals

Analysis Batch: 836189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-287459-9	SW-10	Dissolved	Water	6020B	835440
410-287459-9	SW-10	Total Recoverable	Water	6020B	835081
MB 410-835081/1-A	Method Blank	Total Recoverable	Water	6020B	835081
MB 410-835440/1-A	Method Blank	Total/NA	Water	6020B	835440
LCS 410-835081/2-A	Lab Control Sample	Total Recoverable	Water	6020B	835081
LCS 410-835440/2-A	Lab Control Sample	Total/NA	Water	6020B	835440

Analysis Batch: 836445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-287459-9	SW-10	Dissolved	Water	6020B	835440

Prep Batch: 838966

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-287459-2	SW-3	Dissolved	Water	Non-Digest Prep	
410-287459-3	SW-4	Dissolved	Water	Non-Digest Prep	
410-287459-4	SW-5	Dissolved	Water	Non-Digest Prep	
410-287459-5	SW-6	Dissolved	Water	Non-Digest Prep	
410-287459-6	SW-7	Dissolved	Water	Non-Digest Prep	
410-287459-7	SW-8	Dissolved	Water	Non-Digest Prep	
410-287459-8	SW-9	Dissolved	Water	Non-Digest Prep	
410-287459-10	Duplicate SW	Dissolved	Water	Non-Digest Prep	
410-287459-11	Field Blank SW	Dissolved	Water	Non-Digest Prep	
MB 410-838966/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-838966/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	
410-287459-8 MS	SW-9	Dissolved	Water	Non-Digest Prep	
410-287459-8 MSD	SW-9	Dissolved	Water	Non-Digest Prep	
410-287459-11 MS	Field Blank SW	Dissolved	Water	Non-Digest Prep	
410-287459-11 MSD	Field Blank SW	Dissolved	Water	Non-Digest Prep	
410-287459-8 DU	SW-9	Dissolved	Water	Non-Digest Prep	
410-287459-11 DU	Field Blank SW	Dissolved	Water	Non-Digest Prep	

Analysis Batch: 839448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-287459-2	SW-3	Dissolved	Water	6020B	838966
410-287459-3	SW-4	Dissolved	Water	6020B	838966
410-287459-4	SW-5	Dissolved	Water	6020B	838966
410-287459-5	SW-6	Dissolved	Water	6020B	838966
410-287459-6	SW-7	Dissolved	Water	6020B	838966
410-287459-7	SW-8	Dissolved	Water	6020B	838966
410-287459-8	SW-9	Dissolved	Water	6020B	838966
410-287459-10	Duplicate SW	Dissolved	Water	6020B	838966
410-287459-11	Field Blank SW	Dissolved	Water	6020B	838966
MB 410-838966/1-A	Method Blank	Total/NA	Water	6020B	838966
LCS 410-838966/2-A	Lab Control Sample	Total/NA	Water	6020B	838966
410-287459-8 MS	SW-9	Dissolved	Water	6020B	838966
410-287459-8 MSD	SW-9	Dissolved	Water	6020B	838966
410-287459-11 MS	Field Blank SW	Dissolved	Water	6020B	838966
410-287459-11 MSD	Field Blank SW	Dissolved	Water	6020B	838966
410-287459-8 DU	SW-9	Dissolved	Water	6020B	838966
410-287459-11 DU	Field Blank SW	Dissolved	Water	6020B	838966

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Metals

Analysis Batch: 869401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-287459-1	SW-1	Total/NA	Water	2340B-2011	
410-287459-2	SW-3	Total/NA	Water	2340B-2011	
410-287459-3	SW-4	Total/NA	Water	2340B-2011	
410-287459-4	SW-5	Total/NA	Water	2340B-2011	
410-287459-5	SW-6	Total/NA	Water	2340B-2011	
410-287459-6	SW-7	Total/NA	Water	2340B-2011	
410-287459-7	SW-8	Total/NA	Water	2340B-2011	
410-287459-8	SW-9	Total/NA	Water	2340B-2011	
410-287459-9	SW-10	Total/NA	Water	2340B-2011	
410-287459-10	Duplicate SW	Total/NA	Water	2340B-2011	
410-287459-11	Field Blank SW	Total/NA	Water	2340B-2011	

General Chemistry

Analysis Batch: 859926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-287459-1	SW-1	Total/NA	Water	218.6 CR3	
410-287459-2	SW-3	Total/NA	Water	218.6 CR3	
410-287459-3	SW-4	Total/NA	Water	218.6 CR3	
410-287459-4	SW-5	Total/NA	Water	218.6 CR3	
410-287459-5	SW-6	Total/NA	Water	218.6 CR3	
410-287459-6	SW-7	Total/NA	Water	218.6 CR3	
410-287459-7	SW-8	Total/NA	Water	218.6 CR3	
410-287459-8	SW-9	Total/NA	Water	218.6 CR3	
410-287459-9	SW-10	Total/NA	Water	218.6 CR3	
410-287459-10	Duplicate SW	Total/NA	Water	218.6 CR3	
410-287459-11	Field Blank SW	Total/NA	Water	218.6 CR3	

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: SW-1

Date Collected: 06/08/26 14:00

Date Received: 06/08/26 18:35

Lab Sample ID: 410-287459-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	837429	ULCP	ELLE	06/18/26 12:27
Dissolved	Analysis	218.6		1	832735	RAC6	ELLE	06/10/26 17:26
Dissolved	Analysis	9056A		1	838552	L4QM	ELLE	06/19/26 15:47
Total/NA	Prep	1633A			836808	W2FB	ELLE	06/17/26 09:53
Total/NA	Analysis	1633A		1	837151	P7EB	ELLE	06/18/26 01:51
Total/NA	Analysis	2340B-2011		1	869401	USJM	ELLE	08/20/26 05:53
Dissolved	Prep	Non-Digest Prep			834147	MT26	ELLE	06/12/26 07:10
Dissolved	Analysis	6020B		1	835742	I9IN	ELLE	06/15/26 20:29
Total Recoverable	Prep	3005A			835095	ZKHU	ELLE	06/15/26 08:00
Total Recoverable	Analysis	6020B		1	835724	I9IN	ELLE	06/15/26 16:57
Total/NA	Analysis	218.6 CR3		1	859926	USJM	ELLE	08/19/26 16:37

Client Sample ID: SW-3

Date Collected: 06/08/26 12:40

Date Received: 06/08/26 18:35

Lab Sample ID: 410-287459-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	837429	ULCP	ELLE	06/18/26 13:35
Dissolved	Analysis	218.6		1	833443	RAC6	ELLE	06/11/26 13:32
Dissolved	Analysis	9056A		1	838552	L4QM	ELLE	06/19/26 19:22
Total/NA	Prep	1633A			836808	W2FB	ELLE	06/17/26 09:53
Total/NA	Analysis	1633A		1	837151	P7EB	ELLE	06/18/26 02:32
Total/NA	Analysis	2340B-2011		1	869401	USJM	ELLE	08/20/26 05:53
Dissolved	Prep	Non-Digest Prep			838966	UAMX	ELLE	06/22/26 00:30
Dissolved	Analysis	6020B		1	839448	SAM2	ELLE	06/22/26 10:24
Total Recoverable	Prep	3005A			833897	UAMX	ELLE	06/11/26 22:06
Total Recoverable	Analysis	6020B		1	834471	F7JF	ELLE	06/12/26 11:44
Total/NA	Analysis	218.6 CR3		1	859926	USJM	ELLE	08/19/26 16:37

Client Sample ID: SW-4

Date Collected: 06/08/26 12:20

Date Received: 06/08/26 18:35

Lab Sample ID: 410-287459-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	837429	ULCP	ELLE	06/18/26 13:58
Dissolved	Analysis	218.6		1	833443	RAC6	ELLE	06/11/26 13:39
Dissolved	Analysis	9056A		1	838552	L4QM	ELLE	06/19/26 17:08
Total/NA	Prep	1633A			836808	W2FB	ELLE	06/17/26 09:53
Total/NA	Analysis	1633A		1	837151	P7EB	ELLE	06/18/26 02:45
Total/NA	Analysis	2340B-2011		1	869401	USJM	ELLE	08/20/26 05:53
Dissolved	Prep	Non-Digest Prep			838966	UAMX	ELLE	06/22/26 00:30
Dissolved	Analysis	6020B		1	839448	SAM2	ELLE	06/22/26 10:21

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: SW-4

Date Collected: 06/08/26 12:20

Date Received: 06/08/26 18:35

Lab Sample ID: 410-287459-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			833897	UAMX	ELLE	06/11/26 22:06
Total Recoverable	Analysis	6020B		1	834471	F7JF	ELLE	06/12/26 11:54
Total/NA	Analysis	218.6 CR3		1	859926	USJM	ELLE	08/19/26 16:37

Client Sample ID: SW-5

Date Collected: 06/08/26 09:45

Date Received: 06/08/26 18:35

Lab Sample ID: 410-287459-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	837429	ULCP	ELLE	06/18/26 14:21
Dissolved	Analysis	218.6		1	833443	RAC6	ELLE	06/11/26 13:47
Dissolved	Analysis	9056A		1	838552	L4QM	ELLE	06/19/26 22:56
Total/NA	Prep	1633A			836808	W2FB	ELLE	06/17/26 09:53
Total/NA	Analysis	1633A		1	837151	P7EB	ELLE	06/18/26 02:59
Total/NA	Analysis	2340B-2011		1	869401	USJM	ELLE	08/20/26 05:53
Dissolved	Prep	Non-Digest Prep			838966	UAMX	ELLE	06/22/26 00:30
Dissolved	Analysis	6020B		1	839448	SAM2	ELLE	06/22/26 09:56
Total Recoverable	Prep	3005A			833897	UAMX	ELLE	06/11/26 22:06
Total Recoverable	Analysis	6020B		1	834471	F7JF	ELLE	06/12/26 11:56
Total/NA	Analysis	218.6 CR3		1	859926	USJM	ELLE	08/19/26 16:37

Client Sample ID: SW-6

Date Collected: 06/08/26 11:40

Date Received: 06/08/26 18:35

Lab Sample ID: 410-287459-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	837429	ULCP	ELLE	06/18/26 14:44
Dissolved	Analysis	218.6		1	837505	RAC6	ELLE	06/18/26 09:06
Dissolved	Analysis	9056A		1	838552	L4QM	ELLE	06/19/26 19:49
Total/NA	Prep	1633A			836808	W2FB	ELLE	06/17/26 09:53
Total/NA	Analysis	1633A		1	837151	P7EB	ELLE	06/18/26 03:13
Total/NA	Analysis	2340B-2011		1	869401	USJM	ELLE	08/20/26 05:53
Dissolved	Prep	Non-Digest Prep			838966	UAMX	ELLE	06/22/26 00:30
Dissolved	Analysis	6020B		1	839448	SAM2	ELLE	06/22/26 09:58
Total Recoverable	Prep	3005A			833897	UAMX	ELLE	06/11/26 22:06
Total Recoverable	Analysis	6020B		1	834471	F7JF	ELLE	06/12/26 11:58
Total/NA	Analysis	218.6 CR3		1	859926	USJM	ELLE	08/19/26 16:37

Client Sample ID: SW-7

Date Collected: 06/08/26 11:20

Date Received: 06/08/26 18:35

Lab Sample ID: 410-287459-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	837429	ULCP	ELLE	06/18/26 15:06

Eurofins Lancaster Laboratories Environment Testing, LLC

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: SW-7

Date Collected: 06/08/26 11:20

Date Received: 06/08/26 18:35

Lab Sample ID: 410-287459-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Analysis	218.6		1	837505	RAC6	ELLE	06/18/26 09:36
Dissolved	Analysis	9056A		1	838552	L4QM	ELLE	06/19/26 20:15
Total/NA	Prep	1633A			836808	W2FB	ELLE	06/17/26 09:53
Total/NA	Analysis	1633A		1	837151	P7EB	ELLE	06/18/26 03:26
Total/NA	Analysis	2340B-2011		1	869401	USJM	ELLE	08/20/26 05:53
Dissolved	Prep	Non-Digest Prep			838966	UAMX	ELLE	06/22/26 00:30
Dissolved	Analysis	6020B		1	839448	SAM2	ELLE	06/22/26 10:00
Total Recoverable	Prep	3005A			833897	UAMX	ELLE	06/11/26 22:06
Total Recoverable	Analysis	6020B		1	834471	F7JF	ELLE	06/12/26 12:00
Total/NA	Analysis	218.6 CR3		1	859926	USJM	ELLE	08/19/26 16:37

Client Sample ID: SW-8

Date Collected: 06/08/26 11:10

Date Received: 06/08/26 18:35

Lab Sample ID: 410-287459-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	837429	ULCP	ELLE	06/18/26 15:29
Dissolved	Analysis	218.6		1	837505	RAC6	ELLE	06/18/26 09:44
Dissolved	Analysis	9056A		1	838552	L4QM	ELLE	06/19/26 18:55
Total/NA	Prep	1633A			836808	W2FB	ELLE	06/17/26 09:53
Total/NA	Analysis	1633A		1	837151	P7EB	ELLE	06/18/26 03:40
Total/NA	Analysis	2340B-2011		1	869401	USJM	ELLE	08/20/26 05:53
Dissolved	Prep	Non-Digest Prep			838966	UAMX	ELLE	06/22/26 00:30
Dissolved	Analysis	6020B		1	839448	SAM2	ELLE	06/22/26 09:51
Total Recoverable	Prep	3005A			833897	UAMX	ELLE	06/11/26 22:06
Total Recoverable	Analysis	6020B		1	834471	F7JF	ELLE	06/12/26 12:02
Total/NA	Analysis	218.6 CR3		1	859926	USJM	ELLE	08/19/26 16:37

Client Sample ID: SW-9

Date Collected: 06/08/26 10:50

Date Received: 06/08/26 18:35

Lab Sample ID: 410-287459-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	837429	ULCP	ELLE	06/18/26 15:52
Dissolved	Analysis	218.6		1	837505	RAC6	ELLE	06/18/26 09:51
Dissolved	Analysis	9056A		1	838552	L4QM	ELLE	06/19/26 18:28
Total/NA	Prep	1633A			836808	W2FB	ELLE	06/17/26 09:53
Total/NA	Analysis	1633A		1	837151	P7EB	ELLE	06/18/26 03:53
Total/NA	Analysis	2340B-2011		1	869401	USJM	ELLE	08/20/26 05:53
Dissolved	Prep	Non-Digest Prep			838966	UAMX	ELLE	06/22/26 00:30
Dissolved	Analysis	6020B		1	839448	SAM2	ELLE	06/22/26 09:20
Total Recoverable	Prep	3005A			833897	UAMX	ELLE	06/11/26 22:06
Total Recoverable	Analysis	6020B		1	834471	F7JF	ELLE	06/12/26 12:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: SW-9

Date Collected: 06/08/26 10:50

Date Received: 06/08/26 18:35

Lab Sample ID: 410-287459-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	218.6 CR3		1	859926	USJM	ELLE	08/19/26 16:37

Client Sample ID: SW-10

Date Collected: 06/08/26 10:25

Date Received: 06/08/26 18:35

Lab Sample ID: 410-287459-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	837429	ULCP	ELLE	06/18/26 16:15
Dissolved	Analysis	218.6		1	837505	RAC6	ELLE	06/18/26 09:28
Dissolved	Analysis	9056A		1	838556	L4QM	ELLE	06/19/26 21:16
Total/NA	Prep	1633A			836808	W2FB	ELLE	06/17/26 09:53
Total/NA	Analysis	1633A		1	837151	P7EB	ELLE	06/18/26 04:07
Total/NA	Analysis	2340B-2011		1	869401	USJM	ELLE	08/20/26 05:53
Dissolved	Prep	Non-Digest Prep			835440	MT26	ELLE	06/15/26 12:57
Dissolved	Analysis	6020B		1	836189	F7JF	ELLE	06/16/26 13:25
Dissolved	Prep	Non-Digest Prep			835440	MT26	ELLE	06/15/26 12:57
Dissolved	Analysis	6020B		1	836445	I9IN	ELLE	06/16/26 16:35
Total Recoverable	Prep	3005A			835081	ZKHU	ELLE	06/15/26 08:00
Total Recoverable	Analysis	6020B		1	836189	F7JF	ELLE	06/16/26 11:54
Total/NA	Analysis	218.6 CR3		1	859926	USJM	ELLE	08/19/26 16:37

Client Sample ID: Duplicte SW

Date Collected: 06/08/26 09:55

Date Received: 06/08/26 18:35

Lab Sample ID: 410-287459-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	837429	ULCP	ELLE	06/18/26 16:38
Dissolved	Analysis	218.6		1	837505	RAC6	ELLE	06/18/26 09:59
Dissolved	Analysis	9056A		1	838552	L4QM	ELLE	06/19/26 17:35
Total/NA	Prep	1633A			836808	W2FB	ELLE	06/17/26 09:53
Total/NA	Analysis	1633A		1	837151	P7EB	ELLE	06/18/26 04:20
Total/NA	Analysis	2340B-2011		1	869401	USJM	ELLE	08/20/26 05:53
Dissolved	Prep	Non-Digest Prep			838966	UAMX	ELLE	06/22/26 00:30
Dissolved	Analysis	6020B		1	839448	SAM2	ELLE	06/22/26 09:54
Total Recoverable	Prep	3005A			833897	UAMX	ELLE	06/11/26 22:06
Total Recoverable	Analysis	6020B		1	834471	F7JF	ELLE	06/12/26 12:05
Total/NA	Analysis	218.6 CR3		1	859926	USJM	ELLE	08/19/26 16:37

Client Sample ID: Field Blank SW

Date Collected: 06/08/26 15:00

Date Received: 06/08/26 18:35

Lab Sample ID: 410-287459-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	837429	ULCP	ELLE	06/18/26 11:41

Eurofins Lancaster Laboratories Environment Testing, LLC

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Client Sample ID: Field Blank SW

Lab Sample ID: 410-287459-11

Date Collected: 06/08/26 15:00

Matrix: Water

Date Received: 06/08/26 18:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Analysis	218.6		1	832735	RAC6	ELLE	06/10/26 19:58
Dissolved	Analysis	9056A		1	838552	L4QM	ELLE	06/19/26 22:43
Total/NA	Prep	1633A			836808	W2FB	ELLE	06/17/26 09:53
Total/NA	Analysis	1633A		1	837151	P7EB	ELLE	06/18/26 05:01
Total/NA	Analysis	2340B-2011		1	869401	USJM	ELLE	08/20/26 05:53
Dissolved	Prep	Non-Digest Prep			838966	UAMX	ELLE	06/22/26 00:30
Dissolved	Analysis	6020B		1	839448	SAM2	ELLE	06/22/26 10:26
Total Recoverable	Prep	3005A			833897	UAMX	ELLE	06/11/26 22:06
Total Recoverable	Analysis	6020B		1	834471	F7JF	ELLE	06/12/26 12:08
Total/NA	Analysis	218.6 CR3		1	859926	USJM	ELLE	08/19/26 16:37

Client Sample ID: TB060826

Lab Sample ID: 410-287459-12

Date Collected: 06/04/26 00:00

Matrix: Water

Date Received: 06/08/26 18:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	838068	UCB5	ELLE	06/19/26 09:06

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Pennsylvania	NELAP	36-00037	01-31-27

The following analytes are included in this report, but the laboratory is not certified by Pennsylvania NELAP 36-00037. This list may include analytes for which the agency does not offer certification:

Analysis Method	Prep Method	Matrix	Analyte
218.6 CR3		Water	Cr (III)
2340B-2011		Water	Hardness as calcium carbonate

Method Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	ELLE
218.6	Chromium, Hexavalent (Ion Chromatography)	EPA	ELLE
9056A	Anions, Ion Chromatography	SW846	ELLE
1633A	Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A	EPA	ELLE
2340B-2011	Total Hardness (as CaCO3) by calculation	SM	ELLE
6020B	Metals (ICP/MS)	SW846	ELLE
218.6 CR3	Chromium, Trivalent (Calculation)	EPA	ELLE
1633A	Solid-Phase Extraction (SPE)	EPA	ELLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	ELLE
5030C	Purge and Trap	SW846	ELLE
Non-Digest Prep	Preparation, Non-Digested Aqueous Metals	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC-Bishop Tube HSCA Site

Job ID: 410-287459-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
410-287459-1	SW-1	Water	06/08/26 14:00	06/08/26 18:35	Pennsylvania
410-287459-2	SW-3	Water	06/08/26 12:40	06/08/26 18:35	Pennsylvania
410-287459-3	SW-4	Water	06/08/26 12:20	06/08/26 18:35	Pennsylvania
410-287459-4	SW-5	Water	06/08/26 09:45	06/08/26 18:35	Pennsylvania
410-287459-5	SW-6	Water	06/08/26 11:40	06/08/26 18:35	Pennsylvania
410-287459-6	SW-7	Water	06/08/26 11:20	06/08/26 18:35	Pennsylvania
410-287459-7	SW-8	Water	06/08/26 11:10	06/08/26 18:35	Pennsylvania
410-287459-8	SW-9	Water	06/08/26 10:50	06/08/26 18:35	Pennsylvania
410-287459-9	SW-10	Water	06/08/26 10:25	06/08/26 18:35	Pennsylvania
410-287459-10	Duplicate SW	Water	06/08/26 09:55	06/08/26 18:35	Pennsylvania
410-287459-11	Field Blank SW	Water	06/08/26 15:00	06/08/26 18:35	Pennsylvania
410-287459-12	TB060826	Water	06/04/26 00:00	06/08/26 18:35	Pennsylvania

Environmental Analysis Request



Lancaster Laboratories
Environmental

Acct. # _____ Group # _____ Sample # _____

Client Name: Groundwater & Environmental Services, Inc			Acct #:			Matrix		Analyses Requested										For Lab Use Only												
Project Name/ #: GTAC-Bishop Tube HSCA Site						☐ Tissue ☐ Ground ☒ Surface		Preservation and Filtration Codes										SF #: _____												
Site Address: 1 S Malin Road, Malvern, PA 19355						☐ Sediment ☐ Potable ☐ NPDES												SCR #: _____												
GES PM/CM: Tim Uhler/Derek Yoder						☐ Soil ☐ Water ☐ Other:																								
Client Address: 410 Eagleview Blvd, Suite 110 Exton, PA 19341																														
Email report: labreportspae@gesonline.com AND tuhler@gesonline.com																														
Invoice needs to be emailed to ges-invoices@gesonline.com. COC must be attached to invoice. Invoice must reference job # 0070462-3020-06																														
State where samples were collected: PA			For Compliance: Yes ☐ No ☒																											
Sampler: Ryan Orloski			Collection																											
Sampler Signature: <i>[Signature]</i>																														
Sample Identification			Date		Time		Grab		Composite		Soil		Water		Other:		Total # of Containers												Remarks	
SW-1			6-8-26		1400		X						X				27		8260D - TCL VOCs 4.3										ms/msp For SW-1	
SW-3			6-8-26		1240		X						X				9		1633A - PFAS (List of 40)											
SW-4			6-8-26		1220		X						X				9		6020B - Dissolved Ni, Mg, Ca, and Cr											
SW-5			6-8-26		0945		X						X				9		6020B - Total Manganese											
SW-6			6-8-26		1140		X						X				9		218.6 - Chromium, Hexavalent Dissolved											
SW-7			6-8-26		1120		X						X				9		9056A - Fluoride Dissolved											
SW-8			6-8-26		1110		X						X				9													
SW-9			6-8-26		1050		X						X				9													
SW-10			6-8-26		1025		X						X				9													
Duplicate SW			6-8-26		0955		X						X				9													
Turnaround Time Requested (TAT) (please check):			Standard ☒ Rush ☐						Relinquished by: <i>[Signature]</i>			Date: 6/8/26			Time: 1535			Received by:			Date:			Time:						
(Rush TAT is subject to laboratory approval and surcharges.)									Relinquished by:			Date:			Time:			Received by:			Date:			Time:						
Date results are needed:									Relinquished by:			Date:			Time:			Received by:			Date:			Time:						
Rush results requested by (please check):						E-Mail ☐ Phone ☐			Relinquished by:			Date:			Time:			Received by:			Date:			Time:						
E-mail Address: labreportspae@gesonline.com									Relinquished by:			Date:			Time:			Received by:			Date:			Time:						
Phone:									Relinquished by:			Date:			Time:			Received by:			Date:			Time:						
Data Package Options (please check if required)									Relinquished by:			Date:			Time:			Received by:			Date:			Time:						
Type I (Validation/non-CLP) ☐ MA MCP ☐									Relinquished by:			Date:			Time:			Received by:			Date:			Time:						
Type III (Reduced non-CLP) ☐ CT RCP ☐									Relinquished by:			Date:			Time:			Received by:			Date:			Time:						
Type VI (Raw Data Only) ☐ TX TRRP-13 ☐									Relinquished by:			Date:			Time:			Received by:			Date:			Time:						
NJ DKQP ☐ NYSDEC Category ☐ A or ☐ B									Relinquished by:			Date:			Time:			Received by:			Date:			Time:						
EDD Required? Yes ☒ No ☐						If yes, format: _____			Relinquished by:			Date:			Time:			Received by:			Date:			Time:						
									UPS ☐ FedEx ☐ Other ☐									Temperature upon receipt _____ °C												

218.6 method, samples need to be pH tested and additional buffer added to reach target pH. pH strips in the field not accurate.

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A:1.9-3.3 C:2.0-3.4

7045 0717

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Acct. #	Group #	Sample #
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[illegible]

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7045 0717

R: 1.9-3.3 C: 2.0-3.4

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 410-287459-1

Login Number: 287459

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Renner, Melissa

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable, where thermal pres is required ($\leq 6^{\circ}\text{C}$, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temp acceptable, where thermal pres is required ($\leq 6^{\circ}\text{C}$, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	True	
VOA sample vials do not have headspace $> 6\text{mm}$ in diameter (none, if from WV)?	True	

Sample Preservation Checks (performed by the laboratory)

Question	Answer	Comment
Did the sample containers checked meet expected preservation conditions?	False	Refer to Job Narrative for details.



Appendix H – Waste Classification Analytical Reports and Chain-of-Custody Documentation



ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Tim Uhler
Groundwater & Environmental Services Inc
410 Eagleview Boulevard
Suite 110
Exton, Pennsylvania 19341-2577

Generated 5/25/2026 10:29:00 AM

JOB DESCRIPTION

GTAC Bishop Tube HSCA Site

JOB NUMBER

410-281507-1

Eurofins Lancaster Laboratories Environment Testing, LLC

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Authorized for release by
Amek Carter, Project Manager
Loran.Carter@et.eurofinsus.com
(717)556-7252

Generated
5/25/2026 10:29:00 AM

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
 - Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
 - Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
- Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

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WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.



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Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
^c	CCV Recovery is outside acceptance limits.
B	Analyte was found in the blank.
cn	Refer to Case Narrative for further detail
FH	MS and/or MSD recovery above control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
^c	CCV Recovery is outside acceptance limits.
B	Analyte was found in the blank.
cn	Refer to Case Narrative for further detail
I	Value is EMPC (estimated maximum possible concentration).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

GC Semi VOA

Qualifier	Qualifier Description
^c	CCV Recovery is outside acceptance limits.
cn	Refer to Case Narrative for further detail
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

LCMS

Qualifier	Qualifier Description
*5+	Isotope dilution analyte is outside acceptance limits, high biased.
B	Analyte was found in the blank.
cn	Refer to Case Narrative for further detail
FH	MS and/or MSD recovery above control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
B	Analyte was found in the blank.
cn	Refer to Case Narrative for further detail
FL	MS and/or MSD recovery below control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
!	Laboratory is not accredited for this parameter.
B	Analyte was found in the blank.
cn	Refer to Case Narrative for further detail
F2	MS/MSD RPD exceeds control limits
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor

Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Groundwater & Environmental Services Inc
Project: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Job ID: 410-281507-1

Eurofins Lancaster Laboratories Environment

Job Narrative 410-281507-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 5/7/2026 5:15 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.6°C and 3.4°C.

Receipt Exceptions

All backup containers for water samples received for 1633 PFAS analysis were frozen after receipt.

BTSWC (410-281507-1), BTWWC (410-281507-2) and Trip Blank (410-281507-3)

One unpreserved vial for the following sample was accidentally broken during labeling: BTWWC (410-281507-2).

GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-819112 recovered above the upper control limit for 1,2,4-Trichlorobenzene, Acetone and Freon 113. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-817310 recovered above the upper control limit for 4-Methyl-2-pentanone and Chloromethane. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: BTSWC (410-281507-1). Elevated reporting limits (RLs) are provided.

Method 8260D: The method blank for 410-817310 contained Chloroform above the method detection limit (MDL). Associated samples were not re-analyzed because the method blank results were less than the reporting limit (RL).

Method 8260D: The following analyte(s) recovered outside control limits for the LCSD associated with 410-817310: Dichlorodifluoromethane. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA

Method 8270E: The continuing calibration verification (CCV) associated with batch 410-820458 recovered above the upper control limit for 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Nitroaniline, 2-Nitrophenol, 3-Nitroaniline, 4,6-Dinitro-2-methylphenol, 4-Nitroaniline, Bis(2-ethylhexyl) phthalate and Butyl benzyl phthalate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E: The continuing calibration verification (CCV) analyzed in batch 410-820458 was below the method criteria for the following analyte(s): Hexachlorobutadiene and Hexachlorocyclopentadiene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270E: The continuing calibration verification (CCV) associated with batch 410-822022 recovered above the upper control

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Case Narrative

Client: Groundwater & Environmental Services Inc
Project: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Job ID: 410-281507-1 (Continued)

Eurofins Lancaster Laboratories Environment

limit for Caprolactam. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E: The continuing calibration verification (CCV) analyzed in batch 410-819602 was below the method criteria for the following analyte(s): 2,4-Dichlorophenol, 2-Methylnaphthalene, Anthracene, Di-n-butyl phthalate, Fluoranthene, Fluorene, Hexachlorocyclopentadiene, Pentachlorophenol and Pyrene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270E: The continuing calibration verification (CCV) associated with batch 410-819602 recovered above the upper control limit for Bis(2-chloroethoxy)methane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270E: Surrogate recovery is low outside of control limits for MB preparation batch 410-815929 and analytical batch 410-819602. Target analytes were detected in the associated sample BTWWC (410-281507-2). The associated sample was re-extracted outside of holding time. The in-hold trial has been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

PCBs

Method 8082A: The continuing calibration verification (CCV) associated with batch 410-820117 recovered above the upper control limit for PCB-1260 on one column. Results are reported from the passing column. BTSWC (410-281507-1)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Pesticides

Method 8081B - TCLP: The continuing calibration verification (CCV) associated with batch 410-819061 recovered above the upper control limit for Tetrachloro-m-xylene (Surr) on one column. Result is reported from the passing column. BTWWC (410-281507-2).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Herbicides

Method 8321B - TCLP: The recovery for target analytes Silvex (2,4,5-TP) and 2,4-D in the matrix spike and matrix spike duplicate samples associated with the following sample BTSWC (410-281507-1) is outside the QC acceptance limits. The acceptance limits should be considered advisory.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

PFAS

Method 1633A: Sample BTSWC (410-281507-1) were submitted in a nonstandard container.

Method 1633A: Target analyte(s) Perfluorodecanoic acid (PFDA), N-methylperfluorooctane sulfonamide (NMeFOSA), N-methylperfluorooctane sulfonamidoethanol (NMeFOSE) and N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE) were detected in the method blank associated with the following sample: BTSWC (410-281507-1). Since the result in the sample is ND, the data is reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals

Method 6020B - TCLP: The TCLP leachate blank for batch 410-815873 contained Barium and Nickel above the method detection limit (MDL) and/or the reporting limit (RL). This target analyte concentration was less than the TCLP Regulatory Limit. The associated samples were also below the TCLP Regulatory Limit for this analyte; therefore, re-extraction was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Case Narrative

Client: Groundwater & Environmental Services Inc
Project: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Job ID: 410-281507-1 (Continued)

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General Chemistry

Method 1010B: The Pensky Martens closed cup apparatus is designed to determine the flash point of a liquid sample. The sample submitted could not be mixed well enough to obtain uniform heating. The temperature being measured was that of the material near the top of the cup. The material at the bottom of the cup could have a higher temperature. The temperature reported may not be accurate.

Method EPA 350.1: There are greater than 10 injections between instrument QC standards. The bracketing QC is within specifications so the data is reported for the following: BTWWC (410-281507-2)

Method 9020B: Reporting limits were raised for the following sample: BTWWC (410-281507-2) due to interference from the sample matrix.

Method 9095B: For the following sample(s), a duplicate was not analyzed because of insufficient sample volume.

BTSWC (410-281507-1) and BTWWC (410-281507-2)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Client Sample ID: BTSWC

Lab Sample ID: 410-281507-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylcyclohexane	83	J cn	310	37	ug/Kg	50	✱	8260D	Total/NA
Chloroform	57	J B cn	310	37	ug/Kg	50	✱	8260D	Total/NA
1,1-Dichloroethane	44	J cn	310	31	ug/Kg	50	✱	8260D	Total/NA
Trichloroethene	45	J cn	310	37	ug/Kg	50	✱	8260D	Total/NA
Methyl acetate	87	J cn	310	62	ug/Kg	50	✱	8260D	Total/NA
Acenaphthene	58		20	4.0	ug/Kg	1	✱	8270E	Total/NA
Acenaphthylene	6.3	J	20	4.8	ug/Kg	1	✱	8270E	Total/NA
Anthracene	190		20	4.0	ug/Kg	1	✱	8270E	Total/NA
Benzo[a]anthracene	540		20	4.0	ug/Kg	1	✱	8270E	Total/NA
Benzo[a]pyrene	440		20	4.0	ug/Kg	1	✱	8270E	Total/NA
Benzo[b]fluoranthene	610		20	4.0	ug/Kg	1	✱	8270E	Total/NA
Benzo[g,h,i]perylene	270		20	4.0	ug/Kg	1	✱	8270E	Total/NA
Benzo[k]fluoranthene	210		20	4.0	ug/Kg	1	✱	8270E	Total/NA
Carbazole	47		44	20	ug/Kg	1	✱	8270E	Total/NA
Chrysene	470		20	4.0	ug/Kg	1	✱	8270E	Total/NA
Dibenz(a,h)anthracene	81		20	7.9	ug/Kg	1	✱	8270E	Total/NA
Dibenzofuran	24	J	44	20	ug/Kg	1	✱	8270E	Total/NA
Fluoranthene	920		20	4.0	ug/Kg	1	✱	8270E	Total/NA
Fluorene	47		20	4.0	ug/Kg	1	✱	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	240		20	4.8	ug/Kg	1	✱	8270E	Total/NA
Phenanthrene	560		20	4.8	ug/Kg	1	✱	8270E	Total/NA
Pyrene	840		20	4.0	ug/Kg	1	✱	8270E	Total/NA
DRO (C10-C28)	14		14	5.9	mg/Kg	1	✱	8015D	Total/NA
Heptachlor (1C)	0.0000048	J	0.000040	0.000040	mg/L	1		8081B	TCLP
PCB-1260 (1C)	280	cn	20	7.6	ug/Kg	1	✱	8082A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.26	cn	0.19	0.097	ng/g	1	✱	1633A	Total/NA
Arsenic	9.9		0.47	0.16	mg/Kg	2	✱	6020B	Total/NA
Barium	80		0.47	0.26	mg/Kg	2	✱	6020B	Total/NA
Cadmium	0.19		0.12	0.047	mg/Kg	2	✱	6020B	Total/NA
Chromium	45		0.47	0.45	mg/Kg	2	✱	6020B	Total/NA
Lead	28		0.24	0.090	mg/Kg	2	✱	6020B	Total/NA
Selenium	0.32	J	0.47	0.12	mg/Kg	2	✱	6020B	Total/NA
Silver	1.4		0.12	0.048	mg/Kg	2	✱	6020B	Total/NA
Copper	31		0.47	0.21	mg/Kg	2	✱	6020B	Total/NA
Nickel	60		0.47	0.22	mg/Kg	2	✱	6020B	Total/NA
Zinc	76		35	4.7	mg/Kg	2	✱	6020B	Total/NA
Barium	0.49	B cn	0.020	0.0075	mg/L	1		6020B	TCLP
Cadmium	0.0024	J	0.0050	0.0015	mg/L	1		6020B	TCLP
Lead	0.016		0.0050	0.0012	mg/L	1		6020B	TCLP
Copper	0.035		0.010	0.0085	mg/L	1		6020B	TCLP
Nickel	0.31	B cn	0.010	0.0040	mg/L	1		6020B	TCLP
Zinc	0.16		0.10	0.040	mg/L	1		6020B	TCLP
Mercury	0.052	J	0.070	0.023	mg/Kg	1	✱	7471B	Total/NA
Ignitability (Flash Point)	>200	cn	50	50	Degrees F	1		1010B	Total/NA
Total Solids	81		0.10	0.10	%	1		2540G-2015	Total/NA
Total Volatile Solids	2.6		0.10	0.10	%	1		2540G-2015	Total/NA
Halogens, Extractable Organic	140		110	55	ug/g	1	✱	9023	Total/NA
Sulfide, Reactive	51	J	150	51	mg/Kg	1		9034	Total/NA
Presence of Free Liquid	No	cn		No	Unit	1		9095B	Total/NA
Screening of Oxidizers	neg			NONE		1		D4981	Total/NA
pH	7.6		0.01	0.01	S.U.	1		9045D	Soluble

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Client Sample ID: BTSWC (Continued)

Lab Sample ID: 410-281507-1

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Temperature	22.6		0.01	0.01	Degrees C	1		9045D	Soluble
Corrosivity	NO		0.01	0.01	NONE	1		9045D	Soluble
Chemical Oxygen Demand	37	J B	75	25	mg/L	1		410.4	ASTM Leach
Ammonia as N	0.070	J	0.10	0.050	mg/L	1		EPA 350.1	ASTM Leach

Client Sample ID: BTWWC

Lab Sample ID: 410-281507-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dibromochloromethane	0.21	J	1.0	0.20	ug/L	1		8260D	Total/NA
Acetone	4.5	J ^c	20	0.70	ug/L	1		8260D	Total/NA
Chloroform	10		1.0	0.30	ug/L	1		8260D	Total/NA
Bromodichloromethane	2.2		1.0	0.20	ug/L	1		8260D	Total/NA
Trichloroethene	15		1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	0.0081	J	0.020	0.0060	mg/L	20		8260D	TCPL
Acetophenone	1.0	J cn	1.1	0.56	ug/L	1		8270E	Total/NA
Perfluorobutanoic acid (PFBA)	6.0		3.4	0.93	ng/L	1		1633A	Total/NA
Perfluoropentanoic acid (PFPeA)	9.1		1.7	0.51	ng/L	1		1633A	Total/NA
Perfluorohexanoic acid (PFHxA)	7.4		1.7	0.42	ng/L	1		1633A	Total/NA
Perfluoroheptanoic acid (PFHpA)	3.7		1.7	0.67	ng/L	1		1633A	Total/NA
Perfluorooctanoic acid (PFOA)	6.4		1.7	0.76	ng/L	1		1633A	Total/NA
Perfluorononanoic acid (PFNA)	1.4	J	1.7	0.42	ng/L	1		1633A	Total/NA
Perfluorobutanesulfonic acid (PFBS)	3.1		1.7	0.42	ng/L	1		1633A	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.0	J	1.7	0.67	ng/L	1		1633A	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.5	J	1.7	1.1	ng/L	1		1633A	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	11		3.4	0.84	ng/L	1		1633A	Total/NA
Dalapon	0.37		0.20	0.090	ug/L	1		8321B	Total/NA
Barium	0.0043		0.0020	0.00075	mg/L	1		6020B	Total Recoverable
Nickel	0.00062	J	0.0010	0.00040	mg/L	1		6020B	Total Recoverable
Barium	0.013	J	0.020	0.0075	mg/L	1		6020B	TCPL
Flashpoint	>200		50	50	Degrees F	1		1010B	Total/NA
Total Solids	340		42	18	mg/L	1		2540B-2015	Total/NA
Total Volatile Solids	200	!	42	14	mg/L	1		2540E-2015	Total/NA
Chemical Oxygen Demand	43	J	75	25	mg/L	1		410.4	Total/NA
Halogens, Total Organic	190	cn	89	60	ug/L	1		9020B	Total/NA
TOX Result 1	200	cn	89	60	ug/L	1		9020B	Total/NA
TOX Result 2	180	cn	89	60	ug/L	1		9020B	Total/NA
pH	8.0	HF	0.01	0.01	S.U.	1		9040C	Total/NA
Temperature	20.8	HF	0.01	0.01	Degrees C	1		9040C	Total/NA
Corrosivity	No	HF	0.01	0.01	NONE	1		9040C	Total/NA
Presence of Free Liquid	Yes	cn			No Unit	1		9095B	Total/NA
Screening of Oxidizers	neg				NONE	1		D4981	Total/NA
Ammonia as N	0.54	cn	0.10	0.050	mg/L	1		EPA 350.1	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 410-281507-3

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Client Sample ID: BSWC

Lab Sample ID: 410-281507-1

Date Collected: 05/05/26 10:20

Matrix: Solid

Date Received: 05/07/26 17:15

Percent Solids: 83.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND	cn	310	37	ug/Kg	✱	05/11/26 09:22	05/14/26 12:36	50
trans-1,3-Dichloropropene	ND	cn	310	37	ug/Kg	✱	05/11/26 09:22	05/14/26 12:36	50
Ethylbenzene	ND	cn	310	25	ug/Kg	✱	05/11/26 09:22	05/14/26 12:36	50
Styrene	ND	cn	310	37	ug/Kg	✱	05/11/26 09:22	05/14/26 12:36	50
1,4-Dichlorobenzene	ND	cn	310	31	ug/Kg	✱	05/11/26 09:22	05/14/26 12:36	50
1,2-Dibromoethane	ND	cn	310	37	ug/Kg	✱	05/11/26 09:22	05/14/26 12:36	50
1,2-Dichloroethane	ND	cn	310	37	ug/Kg	✱	05/11/26 09:22	05/14/26 12:36	50
4-Methyl-2-pentanone	ND	^c cn	620	93	ug/Kg	✱	05/11/26 09:22	05/14/26 12:36	50
Methylcyclohexane	83	J cn	310	37	ug/Kg	✱	05/11/26 09:22	05/14/26 12:36	50
Toluene	ND	cn	310	37	ug/Kg	✱	05/11/26 09:22	05/14/26 12:36	50
Chlorobenzene	ND	cn	310	31	ug/Kg	✱	05/11/26 09:22	05/14/26 12:36	50
Cyclohexane	ND	cn	310	31	ug/Kg	✱	05/11/26 09:22	05/14/26 12:36	50
1,2,4-Trichlorobenzene	ND	cn	620	310	ug/Kg	✱	05/11/26 09:22	05/14/26 12:36	50
Dibromochloromethane	ND	cn	310	120	ug/Kg	✱	05/11/26 09:22	05/14/26 12:36	50
Xylenes, Total	ND	cn	310	87	ug/Kg	✱	05/11/26 09:22	05/14/26 12:36	50
Tetrachloroethene	ND	cn	310	37	ug/Kg	✱	05/11/26 09:22	05/14/26 12:36	50
cis-1,2-Dichloroethene	ND	cn	310	37	ug/Kg	✱	05/11/26 09:22	05/14/26 12:36	50
trans-1,2-Dichloroethene	ND	cn	310	37	ug/Kg	✱	05/11/26 09:22	05/14/26 12:36	50
Methyl tertiary butyl ether	ND	cn	310	37	ug/Kg	✱	05/11/26 09:22	05/14/26 12:36	50
1,3-Dichlorobenzene	ND	cn	310	31	ug/Kg	✱	05/11/26 09:22	05/14/26 12:36	50
Carbon tetrachloride	ND	cn	310	120	ug/Kg	✱	05/11/26 09:22	05/14/26 12:36	50
2-Hexanone	ND	cn	620	93	ug/Kg	✱	05/11/26 09:22	05/14/26 12:36	50
Acetone	ND	cn	1200	370	ug/Kg	✱	05/11/26 09:22	05/14/26 12:36	50
Chloroform	57	J B cn	310	37	ug/Kg	✱	05/11/26 09:22	05/14/26 12:36	50
Benzene	ND	cn	310	31	ug/Kg	✱	05/11/26 09:22	05/14/26 12:36	50
1,1,1-Trichloroethane	ND	cn	310	43	ug/Kg	✱	05/11/26 09:22	05/14/26 12:36	50
Bromomethane	ND	cn	310	99	ug/Kg	✱	05/11/26 09:22	05/14/26 12:36	50
Chloromethane	ND	^c cn	310	56	ug/Kg	✱	05/11/26 09:22	05/14/26 12:36	50
Chloroethane	ND	cn	310	93	ug/Kg	✱	05/11/26 09:22	05/14/26 12:36	50
Vinyl chloride	ND	cn	310	50	ug/Kg	✱	05/11/26 09:22	05/14/26 12:36	50
Methylene Chloride	ND	cn	310	120	ug/Kg	✱	05/11/26 09:22	05/14/26 12:36	50
Carbon disulfide	ND	cn	310	37	ug/Kg	✱	05/11/26 09:22	05/14/26 12:36	50
Bromoform	ND	cn	620	310	ug/Kg	✱	05/11/26 09:22	05/14/26 12:36	50
Bromodichloromethane	ND	cn	310	43	ug/Kg	✱	05/11/26 09:22	05/14/26 12:36	50
1,1-Dichloroethane	44	J cn	310	31	ug/Kg	✱	05/11/26 09:22	05/14/26 12:36	50
1,1-Dichloroethene	ND	cn	310	37	ug/Kg	✱	05/11/26 09:22	05/14/26 12:36	50
Trichlorofluoromethane	ND	cn	310	50	ug/Kg	✱	05/11/26 09:22	05/14/26 12:36	50
Dichlorodifluoromethane	ND	*- cn	310	37	ug/Kg	✱	05/11/26 09:22	05/14/26 12:36	50
Freon 113	ND	cn	620	43	ug/Kg	✱	05/11/26 09:22	05/14/26 12:36	50
1,2-Dichloropropane	ND	cn	310	31	ug/Kg	✱	05/11/26 09:22	05/14/26 12:36	50
2-Butanone	ND	cn	620	120	ug/Kg	✱	05/11/26 09:22	05/14/26 12:36	50
1,1,2-Trichloroethane	ND	cn	310	31	ug/Kg	✱	05/11/26 09:22	05/14/26 12:36	50
Trichloroethene	45	J cn	310	37	ug/Kg	✱	05/11/26 09:22	05/14/26 12:36	50
Methyl acetate	87	J cn	310	62	ug/Kg	✱	05/11/26 09:22	05/14/26 12:36	50
1,1,2,2-Tetrachloroethane	ND	cn	310	37	ug/Kg	✱	05/11/26 09:22	05/14/26 12:36	50
1,2-Dichlorobenzene	ND	cn	310	37	ug/Kg	✱	05/11/26 09:22	05/14/26 12:36	50
1,2-Dibromo-3-Chloropropane	ND	cn	310	62	ug/Kg	✱	05/11/26 09:22	05/14/26 12:36	50
Isopropylbenzene	ND	cn	310	37	ug/Kg	✱	05/11/26 09:22	05/14/26 12:36	50

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Client Sample ID: BTSWC

Lab Sample ID: 410-281507-1

Date Collected: 05/05/26 10:20

Matrix: Solid

Date Received: 05/07/26 17:15

Percent Solids: 83.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102	cn	71 - 122	05/11/26 09:22	05/14/26 12:36	50
Dibromofluoromethane (Surr)	102	cn	74 - 120	05/11/26 09:22	05/14/26 12:36	50
4-Bromofluorobenzene (Surr)	108	cn	70 - 120	05/11/26 09:22	05/14/26 12:36	50
Toluene-d8 (Surr)	104	cn	76 - 120	05/11/26 09:22	05/14/26 12:36	50

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.020	0.0060	mg/L			05/21/26 23:11	20
Carbon tetrachloride	ND		0.020	0.0060	mg/L			05/21/26 23:11	20
Chlorobenzene	ND		0.020	0.0060	mg/L			05/21/26 23:11	20
Chloroform	ND		0.020	0.0060	mg/L			05/21/26 23:11	20
1,1-Dichloroethene	ND	FH	0.020	0.0060	mg/L			05/21/26 23:11	20
1,2-Dichloroethane	ND		0.020	0.0060	mg/L			05/21/26 23:11	20
2-Butanone	ND		0.20	0.010	mg/L			05/21/26 23:11	20
Tetrachloroethene	ND	FH	0.020	0.0060	mg/L			05/21/26 23:11	20
Trichloroethene	ND		0.020	0.0060	mg/L			05/21/26 23:11	20
Vinyl chloride	ND		0.020	0.0060	mg/L			05/21/26 23:11	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		05/21/26 23:11	20
4-Bromofluorobenzene (Surr)	100		80 - 120		05/21/26 23:11	20
Dibromofluoromethane (Surr)	105		80 - 120		05/21/26 23:11	20
Toluene-d8 (Surr)	96		80 - 120		05/21/26 23:11	20

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		44	20	ug/Kg	✱	05/13/26 00:09	05/20/26 00:30	1
2,2'-oxybis[1-chloropropane]	ND		52	24	ug/Kg	✱	05/13/26 00:09	05/20/26 00:30	1
2,4,5-Trichlorophenol	ND		44	20	ug/Kg	✱	05/13/26 00:09	05/20/26 00:30	1
2,4,6-Trichlorophenol	ND		44	20	ug/Kg	✱	05/13/26 00:09	05/20/26 00:30	1
2,4-Dichlorophenol	ND		52	24	ug/Kg	✱	05/13/26 00:09	05/20/26 00:30	1
2,4-Dimethylphenol	ND		44	20	ug/Kg	✱	05/13/26 00:09	05/20/26 00:30	1
2,4-Dinitrophenol	ND	^c cn	1200	500	ug/Kg	✱	05/13/26 00:09	05/20/26 00:30	1
2,4-Dinitrotoluene	ND	^c cn	200	40	ug/Kg	✱	05/13/26 00:09	05/20/26 00:30	1
2,6-Dinitrotoluene	ND	^c cn	44	20	ug/Kg	✱	05/13/26 00:09	05/20/26 00:30	1
2-Chloronaphthalene	ND		40	16	ug/Kg	✱	05/13/26 00:09	05/20/26 00:30	1
2-Chlorophenol	ND		44	20	ug/Kg	✱	05/13/26 00:09	05/20/26 00:30	1
2-Methylnaphthalene	ND		20	5.9	ug/Kg	✱	05/13/26 00:09	05/20/26 00:30	1
2-Methylphenol	ND		60	24	ug/Kg	✱	05/13/26 00:09	05/20/26 00:30	1
2-Nitroaniline	ND	^c cn	60	20	ug/Kg	✱	05/13/26 00:09	05/20/26 00:30	1
2-Nitrophenol	ND	^c cn	60	24	ug/Kg	✱	05/13/26 00:09	05/20/26 00:30	1
3,3'-Dichlorobenzidine	ND		400	200	ug/Kg	✱	05/13/26 00:09	05/20/26 00:30	1
3-Nitroaniline	ND	^c cn	200	40	ug/Kg	✱	05/13/26 00:09	05/20/26 00:30	1
4,6-Dinitro-2-methylphenol	ND	^c cn	600	200	ug/Kg	✱	05/13/26 00:09	05/20/26 00:30	1
4-Bromophenyl phenyl ether	ND		44	20	ug/Kg	✱	05/13/26 00:09	05/20/26 00:30	1
4-Chloro-3-methylphenol	ND		60	24	ug/Kg	✱	05/13/26 00:09	05/20/26 00:30	1
4-Chloroaniline	ND		200	40	ug/Kg	✱	05/13/26 00:09	05/20/26 00:30	1
4-Chlorophenyl phenyl ether	ND		44	20	ug/Kg	✱	05/13/26 00:09	05/20/26 00:30	1
3,4-Methylphenol	ND		60	20	ug/Kg	✱	05/13/26 00:09	05/20/26 00:30	1
4-Nitroaniline	ND	^c *+ cn	200	40	ug/Kg	✱	05/13/26 00:09	05/20/26 00:30	1
4-Nitrophenol	ND		600	200	ug/Kg	✱	05/13/26 00:09	05/20/26 00:30	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Client Sample ID: BSWC

Lab Sample ID: 410-281507-1

Date Collected: 05/05/26 10:20

Matrix: Solid

Date Received: 05/07/26 17:15

Percent Solids: 83.0

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	58		20	4.0	ug/Kg	☆	05/13/26 00:09	05/20/26 00:30	1
Acenaphthylene	6.3	J	20	4.8	ug/Kg	☆	05/13/26 00:09	05/20/26 00:30	1
Acetophenone	ND		60	20	ug/Kg	☆	05/13/26 00:09	05/20/26 00:30	1
Anthracene	190		20	4.0	ug/Kg	☆	05/13/26 00:09	05/20/26 00:30	1
Atrazine	ND		200	79	ug/Kg	☆	05/13/26 00:09	05/22/26 01:19	1
Benzaldehyde	ND		200	40	ug/Kg	☆	05/13/26 00:09	05/22/26 01:19	1
Benzo[a]anthracene	540		20	4.0	ug/Kg	☆	05/13/26 00:09	05/20/26 00:30	1
Benzo[a]pyrene	440		20	4.0	ug/Kg	☆	05/13/26 00:09	05/20/26 00:30	1
Benzo[b]fluoranthene	610		20	4.0	ug/Kg	☆	05/13/26 00:09	05/20/26 00:30	1
Benzo[g,h,i]perylene	270		20	4.0	ug/Kg	☆	05/13/26 00:09	05/20/26 00:30	1
Benzo[k]fluoranthene	210		20	4.0	ug/Kg	☆	05/13/26 00:09	05/20/26 00:30	1
Bis(2-chloroethoxy)methane	ND		44	20	ug/Kg	☆	05/13/26 00:09	05/20/26 00:30	1
Bis(2-chloroethyl)ether	ND		44	20	ug/Kg	☆	05/13/26 00:09	05/20/26 00:30	1
Bis(2-ethylhexyl) phthalate	ND	^c *+ cn	200	79	ug/Kg	☆	05/13/26 00:09	05/20/26 00:30	1
Butyl benzyl phthalate	ND	^c *+ cn	200	79	ug/Kg	☆	05/13/26 00:09	05/20/26 00:30	1
Caprolactam	ND	^c cn	200	40	ug/Kg	☆	05/13/26 00:09	05/22/26 01:19	1
Carbazole	47		44	20	ug/Kg	☆	05/13/26 00:09	05/20/26 00:30	1
Chrysene	470		20	4.0	ug/Kg	☆	05/13/26 00:09	05/20/26 00:30	1
Di-n-butyl phthalate	ND		200	79	ug/Kg	☆	05/13/26 00:09	05/20/26 00:30	1
Di-n-octyl phthalate	ND		200	79	ug/Kg	☆	05/13/26 00:09	05/20/26 00:30	1
Dibenz(a,h)anthracene	81		20	7.9	ug/Kg	☆	05/13/26 00:09	05/20/26 00:30	1
Dibenzofuran	24	J	44	20	ug/Kg	☆	05/13/26 00:09	05/20/26 00:30	1
Diethyl phthalate	ND		200	79	ug/Kg	☆	05/13/26 00:09	05/20/26 00:30	1
Dimethyl phthalate	ND		200	79	ug/Kg	☆	05/13/26 00:09	05/20/26 00:30	1
Fluoranthene	920		20	4.0	ug/Kg	☆	05/13/26 00:09	05/20/26 00:30	1
Fluorene	47		20	4.0	ug/Kg	☆	05/13/26 00:09	05/20/26 00:30	1
Hexachlorobenzene	ND		40	20	ug/Kg	☆	05/13/26 00:09	05/20/26 00:30	1
Hexachlorobutadiene	ND	^c cn	60	24	ug/Kg	☆	05/13/26 00:09	05/20/26 00:30	1
Hexachlorocyclopentadiene	ND	^c cn	600	200	ug/Kg	☆	05/13/26 00:09	05/20/26 00:30	1
Hexachloroethane	ND		200	40	ug/Kg	☆	05/13/26 00:09	05/20/26 00:30	1
Indeno[1,2,3-cd]pyrene	240		20	4.8	ug/Kg	☆	05/13/26 00:09	05/20/26 00:30	1
Isophorone	ND		79	20	ug/Kg	☆	05/13/26 00:09	05/20/26 00:30	1
N-Nitrosodi-n-propylamine	ND		79	40	ug/Kg	☆	05/13/26 00:09	05/20/26 00:30	1
N-Nitrosodiphenylamine	ND		44	20	ug/Kg	☆	05/13/26 00:09	05/20/26 00:30	1
Naphthalene	ND	B	20	7.9	ug/Kg	☆	05/13/26 00:09	05/20/26 00:30	1
Nitrobenzene	ND		44	20	ug/Kg	☆	05/13/26 00:09	05/20/26 00:30	1
Pentachlorophenol	ND		200	79	ug/Kg	☆	05/13/26 00:09	05/20/26 00:30	1
Phenanthrene	560		20	4.8	ug/Kg	☆	05/13/26 00:09	05/20/26 00:30	1
Phenol	ND		44	20	ug/Kg	☆	05/13/26 00:09	05/20/26 00:30	1
Pyrene	840		20	4.0	ug/Kg	☆	05/13/26 00:09	05/20/26 00:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	80		34 - 120	05/13/26 00:09	05/20/26 00:30	1
2-Fluorobiphenyl (Surr)	78		34 - 120	05/13/26 00:09	05/22/26 01:19	1
2-Fluorophenol (Surr)	71		14 - 120	05/13/26 00:09	05/20/26 00:30	1
2-Fluorophenol (Surr)	75		14 - 120	05/13/26 00:09	05/22/26 01:19	1
Nitrobenzene-d5 (Surr)	74		26 - 120	05/13/26 00:09	05/20/26 00:30	1
Nitrobenzene-d5 (Surr)	77		26 - 120	05/13/26 00:09	05/22/26 01:19	1
p-Terphenyl-d14 (Surr)	85		39 - 137	05/13/26 00:09	05/20/26 00:30	1
p-Terphenyl-d14 (Surr)	77		39 - 137	05/13/26 00:09	05/22/26 01:19	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Client Sample ID: BTSWC

Lab Sample ID: 410-281507-1

Date Collected: 05/05/26 10:20

Matrix: Solid

Date Received: 05/07/26 17:15

Percent Solids: 83.0

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	80		17 - 131	05/13/26 00:09	05/20/26 00:30	1
2,4,6-Tribromophenol (Surr)	72		17 - 131	05/13/26 00:09	05/22/26 01:19	1
Phenol-d5 (Surr)	72		18 - 120	05/13/26 00:09	05/20/26 00:30	1
Phenol-d5 (Surr)	72		18 - 120	05/13/26 00:09	05/22/26 01:19	1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.0025	mg/L		05/15/26 08:13	05/16/26 00:08	1
2,4,5-Trichlorophenol	ND		0.010	0.0025	mg/L		05/15/26 08:13	05/16/26 00:08	1
2,4,6-Trichlorophenol	ND		0.010	0.0025	mg/L		05/15/26 08:13	05/16/26 00:08	1
2,4-Dinitrotoluene	ND		0.025	0.0050	mg/L		05/15/26 08:13	05/16/26 00:08	1
2-Methylphenol	ND		0.010	0.0025	mg/L		05/15/26 08:13	05/16/26 00:08	1
3,4-Methylphenol	ND		0.010	0.0025	mg/L		05/15/26 08:13	05/16/26 00:08	1
Hexachlorobenzene	ND		0.0025	0.00055	mg/L		05/15/26 08:13	05/16/26 00:08	1
Hexachlorobutadiene	ND		0.010	0.0025	mg/L		05/15/26 08:13	05/16/26 00:08	1
Hexachloroethane	ND		0.025	0.0025	mg/L		05/15/26 08:13	05/16/26 00:08	1
Nitrobenzene	ND		0.010	0.0025	mg/L		05/15/26 08:13	05/16/26 00:08	1
Pentachlorophenol	ND		0.025	0.0050	mg/L		05/15/26 08:13	05/16/26 00:08	1
Pyridine	ND		0.025	0.010	mg/L		05/15/26 08:13	05/16/26 00:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	34		13 - 134	05/15/26 08:13	05/16/26 00:08	1
2-Fluorobiphenyl (Surr)	84		45 - 120	05/15/26 08:13	05/16/26 00:08	1
2-Fluorophenol (Surr)	4	S1-	10 - 120	05/15/26 08:13	05/16/26 00:08	1
Nitrobenzene-d5 (Surr)	80		33 - 120	05/15/26 08:13	05/16/26 00:08	1
p-Terphenyl-d14 (Surr)	89		26 - 123	05/15/26 08:13	05/16/26 00:08	1
Phenol-d5 (Surr)	2	S1-	10 - 120	05/15/26 08:13	05/16/26 00:08	1

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		1.4	0.62	mg/Kg	☼	05/14/26 14:35	05/15/26 20:14	25
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	99		50 - 142				05/14/26 14:35	05/15/26 20:14	25

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	14		14	5.9	mg/Kg	☼	05/19/26 09:43	05/20/26 04:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o- terphenyl (Surr)	80		49 - 154				05/19/26 09:43	05/20/26 04:28	1

Method: SW846 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin (1C)	ND		0.000060	0.000016	mg/L		05/15/26 07:43	05/16/26 15:46	1
gamma-BHC (Lindane) (1C)	ND		0.000040	0.0000040	mg/L		05/15/26 07:43	05/16/26 15:46	1
Heptachlor (1C)	0.0000048	J	0.000040	0.0000040	mg/L		05/15/26 07:43	05/16/26 15:46	1
Heptachlor epoxide (1C)	ND		0.000040	0.0000080	mg/L		05/15/26 07:43	05/16/26 15:46	1
Methoxychlor (1C)	ND		0.00022	0.00016	mg/L		05/15/26 07:43	05/16/26 15:46	1
Toxaphene (1C)	ND		0.0020	0.00060	mg/L		05/15/26 07:43	05/16/26 15:46	1
Chlordane (n.o.s.) (1C)	ND		0.0010	0.00032	mg/L		05/15/26 07:43	05/16/26 15:46	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Client Sample ID: BTSWC

Lab Sample ID: 410-281507-1

Date Collected: 05/05/26 10:20

Matrix: Solid

Date Received: 05/07/26 17:15

Percent Solids: 83.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	89		21 - 130	05/15/26 07:43	05/16/26 15:46	1
DCB Decachlorobiphenyl (Surr) (2C)	82		21 - 130	05/15/26 07:43	05/16/26 15:46	1
Tetrachloro-m-xylene (Surr) (1C)	90		39 - 139	05/15/26 07:43	05/16/26 15:46	1
Tetrachloro-m-xylene (Surr) (2C)	83		39 - 139	05/15/26 07:43	05/16/26 15:46	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016 (1C)	ND		20	6.3	ug/Kg	✱	05/13/26 22:58	05/20/26 05:08	1
PCB-1221 (1C)	ND		20	6.3	ug/Kg	✱	05/13/26 22:58	05/20/26 05:08	1
PCB-1232 (1C)	ND		20	6.3	ug/Kg	✱	05/13/26 22:58	05/20/26 05:08	1
PCB-1242 (1C)	ND		20	6.3	ug/Kg	✱	05/13/26 22:58	05/20/26 05:08	1
PCB-1248 (1C)	ND		20	6.3	ug/Kg	✱	05/13/26 22:58	05/20/26 05:08	1
PCB-1254 (1C)	ND		20	7.6	ug/Kg	✱	05/13/26 22:58	05/20/26 05:08	1
PCB-1260 (1C)	280	cn	20	7.6	ug/Kg	✱	05/13/26 22:58	05/20/26 05:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	100		66 - 130	05/13/26 22:58	05/20/26 05:08	1
DCB Decachlorobiphenyl (Surr) (2C)	129		66 - 130	05/13/26 22:58	05/20/26 05:08	1
Tetrachloro-m-xylene (1C)	130		68 - 130	05/13/26 22:58	05/20/26 05:08	1
Tetrachloro-m-xylene (2C)	109		68 - 130	05/13/26 22:58	05/20/26 05:08	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND	cn	0.39	0.097	ng/g	✱	05/13/26 14:12	05/16/26 13:20	1
Perfluoropentanoic acid (PFPeA)	ND	cn	0.19	0.097	ng/g	✱	05/13/26 14:12	05/16/26 13:20	1
Perfluorohexanoic acid (PFHxA)	ND	cn	0.19	0.097	ng/g	✱	05/13/26 14:12	05/16/26 13:20	1
Perfluoroheptanoic acid (PFHpA)	ND	cn	0.19	0.097	ng/g	✱	05/13/26 14:12	05/16/26 13:20	1
Perfluorooctanoic acid (PFOA)	ND	cn	0.19	0.058	ng/g	✱	05/13/26 14:12	05/16/26 13:20	1
Perfluorononanoic acid (PFNA)	ND	cn	0.19	0.097	ng/g	✱	05/13/26 14:12	05/16/26 13:20	1
Perfluorodecanoic acid (PFDA)	ND	B cn	0.19	0.058	ng/g	✱	05/13/26 14:12	05/16/26 13:20	1
Perfluoroundecanoic acid (PFUnA)	ND	cn	0.19	0.097	ng/g	✱	05/13/26 14:12	05/16/26 13:20	1
Perfluorododecanoic acid (PFDoA)	ND	cn	0.19	0.097	ng/g	✱	05/13/26 14:12	05/16/26 13:20	1
Perfluorotridecanoic acid (PFTriDA)	ND	cn	0.19	0.097	ng/g	✱	05/13/26 14:12	05/16/26 13:20	1
Perfluorotetradecanoic acid (PFTeDA)	ND	cn	0.19	0.097	ng/g	✱	05/13/26 14:12	05/16/26 13:20	1
Perfluorobutanesulfonic acid (PFBS)	ND	cn	0.19	0.097	ng/g	✱	05/13/26 14:12	05/16/26 13:20	1
Perfluoropentanesulfonic acid (PFPeS)	ND	cn	0.19	0.097	ng/g	✱	05/13/26 14:12	05/16/26 13:20	1
Perfluorohexanesulfonic acid (PFHxS)	ND	cn	0.19	0.097	ng/g	✱	05/13/26 14:12	05/16/26 13:20	1
Perfluoroheptanesulfonic acid (PFHpS)	ND	cn	0.19	0.097	ng/g	✱	05/13/26 14:12	05/16/26 13:20	1
Perfluorooctanesulfonic acid (PFOS)	0.26	cn	0.19	0.097	ng/g	✱	05/13/26 14:12	05/16/26 13:20	1
Perfluorononanesulfonic acid (PFNS)	ND	cn	0.19	0.097	ng/g	✱	05/13/26 14:12	05/16/26 13:20	1
Perfluorodecanesulfonic acid (PFDS)	ND	cn	0.19	0.097	ng/g	✱	05/13/26 14:12	05/16/26 13:20	1
Perfluorododecanesulfonic acid (PFDoS)	ND	cn	0.19	0.097	ng/g	✱	05/13/26 14:12	05/16/26 13:20	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND	cn	0.39	0.19	ng/g	✱	05/13/26 14:12	05/16/26 13:20	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND	cn	0.39	0.19	ng/g	✱	05/13/26 14:12	05/16/26 13:20	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND	cn	0.39	0.19	ng/g	✱	05/13/26 14:12	05/16/26 13:20	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Client Sample ID: BSWC

Lab Sample ID: 410-281507-1

Date Collected: 05/05/26 10:20

Matrix: Solid

Date Received: 05/07/26 17:15

Percent Solids: 83.0

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonamide (PFOSA)	ND	cn	0.19	0.097	ng/g	☼	05/13/26 14:12	05/16/26 13:20	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND	B cn	0.19	0.097	ng/g	☼	05/13/26 14:12	05/16/26 13:20	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND	cn	0.19	0.097	ng/g	☼	05/13/26 14:12	05/16/26 13:20	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND	cn	0.19	0.097	ng/g	☼	05/13/26 14:12	05/16/26 13:20	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND	cn	0.19	0.097	ng/g	☼	05/13/26 14:12	05/16/26 13:20	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND	B cn	0.97	0.48	ng/g	☼	05/13/26 14:12	05/16/26 13:20	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND	B cn	0.97	0.48	ng/g	☼	05/13/26 14:12	05/16/26 13:20	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	cn	0.19	0.097	ng/g	☼	05/13/26 14:12	05/16/26 13:20	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	cn	0.19	0.097	ng/g	☼	05/13/26 14:12	05/16/26 13:20	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	cn	0.19	0.097	ng/g	☼	05/13/26 14:12	05/16/26 13:20	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	cn	0.19	0.097	ng/g	☼	05/13/26 14:12	05/16/26 13:20	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	cn	0.19	0.097	ng/g	☼	05/13/26 14:12	05/16/26 13:20	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND	cn	0.19	0.097	ng/g	☼	05/13/26 14:12	05/16/26 13:20	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND	cn	0.19	0.097	ng/g	☼	05/13/26 14:12	05/16/26 13:20	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND	cn	0.19	0.097	ng/g	☼	05/13/26 14:12	05/16/26 13:20	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND	cn	0.39	0.19	ng/g	☼	05/13/26 14:12	05/16/26 13:20	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND	cn	0.97	0.48	ng/g	☼	05/13/26 14:12	05/16/26 13:20	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND	cn	0.97	0.48	ng/g	☼	05/13/26 14:12	05/16/26 13:20	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	91.5	cn	8 - 130	05/13/26 14:12	05/16/26 13:20	1
13C5 PFPeA	87.6	cn	35 - 130	05/13/26 14:12	05/16/26 13:20	1
13C5 PFHxA	88.1	cn	40 - 130	05/13/26 14:12	05/16/26 13:20	1
13C4 PFHpA	84.0	cn	40 - 130	05/13/26 14:12	05/16/26 13:20	1
13C8 PFOA	85.1	cn	40 - 130	05/13/26 14:12	05/16/26 13:20	1
13C9 PFNA	83.6	cn	40 - 130	05/13/26 14:12	05/16/26 13:20	1
13C6 PFDA	81.4	cn	40 - 130	05/13/26 14:12	05/16/26 13:20	1
13C7 PFUnA	79.7	cn	40 - 130	05/13/26 14:12	05/16/26 13:20	1
13C2 PFTeDA	62.5	cn	20 - 130	05/13/26 14:12	05/16/26 13:20	1
13C3 PFBS	82.1	cn	40 - 135	05/13/26 14:12	05/16/26 13:20	1
13C3 PFHxS	79.5	cn	40 - 130	05/13/26 14:12	05/16/26 13:20	1
13C8 PFOS	84.1	cn	40 - 130	05/13/26 14:12	05/16/26 13:20	1
13C8 FOSA	76.5	cn	40 - 130	05/13/26 14:12	05/16/26 13:20	1
d3-NMeFOSAA	80.4	cn	40 - 135	05/13/26 14:12	05/16/26 13:20	1
d5-NEtFOSAA	72.3	cn	40 - 150	05/13/26 14:12	05/16/26 13:20	1
13C2 4:2 FTS	90.3	cn	40 - 165	05/13/26 14:12	05/16/26 13:20	1
13C2 6:2 FTS	80.9	cn	40 - 215	05/13/26 14:12	05/16/26 13:20	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Client Sample ID: BTSWC

Lab Sample ID: 410-281507-1

Date Collected: 05/05/26 10:20

Matrix: Solid

Date Received: 05/07/26 17:15

Percent Solids: 83.0

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 8:2 FTS	88.7	cn	40 - 275	05/13/26 14:12	05/16/26 13:20	1
13C3 HFPO-DA	79.2	cn	40 - 130	05/13/26 14:12	05/16/26 13:20	1
d7-N-MeFOSE-M	51.8	cn	20 - 130	05/13/26 14:12	05/16/26 13:20	1
d9-N-EtFOSE-M	45.2	cn	15 - 130	05/13/26 14:12	05/16/26 13:20	1
d5-N-EtPFOSA	59.9	cn	10 - 130	05/13/26 14:12	05/16/26 13:20	1
d3-NMePFOSA	66.0	cn	10 - 130	05/13/26 14:12	05/16/26 13:20	1
13C2 PFDoA	77.1	cn	40 - 130	05/13/26 14:12	05/16/26 13:20	1
13C3-PFDoS	64.3	cn	20 - 150	05/13/26 14:12	05/16/26 13:20	1
13C3-3:3 FTCA	106	cn	20 - 150	05/13/26 14:12	05/16/26 13:20	1
13C3-5:3 FTCA	74.4	cn	20 - 150	05/13/26 14:12	05/16/26 13:20	1

Method: SW846 8321B - Herbicides (LC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND	FH cn	0.00010	0.000030	mg/L		05/15/26 11:44	05/15/26 19:03	1
2,4-D	ND	FH cn	0.00010	0.000080	mg/L		05/15/26 11:44	05/15/26 19:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr)	97		70 - 130				05/15/26 11:44	05/15/26 19:03	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	9.9		0.47	0.16	mg/Kg	✱	05/18/26 14:00	05/18/26 21:13	2
Barium	80		0.47	0.26	mg/Kg	✱	05/18/26 14:00	05/18/26 21:13	2
Cadmium	0.19		0.12	0.047	mg/Kg	✱	05/18/26 14:00	05/18/26 21:13	2
Chromium	45		0.47	0.45	mg/Kg	✱	05/18/26 14:00	05/18/26 21:13	2
Lead	28		0.24	0.090	mg/Kg	✱	05/18/26 14:00	05/18/26 21:13	2
Selenium	0.32	J	0.47	0.12	mg/Kg	✱	05/18/26 14:00	05/18/26 21:13	2
Silver	1.4		0.12	0.048	mg/Kg	✱	05/18/26 14:00	05/18/26 21:13	2
Copper	31		0.47	0.21	mg/Kg	✱	05/18/26 14:00	05/18/26 21:13	2
Nickel	60		0.47	0.22	mg/Kg	✱	05/18/26 14:00	05/18/26 21:13	2
Zinc	76		35	4.7	mg/Kg	✱	05/18/26 14:00	05/18/26 21:13	2

Method: SW846 6020B - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.020	0.0068	mg/L		05/17/26 20:30	05/18/26 21:44	1
Barium	0.49	B cn	0.020	0.0075	mg/L		05/17/26 20:30	05/18/26 21:44	1
Cadmium	0.0024	J	0.0050	0.0015	mg/L		05/17/26 20:30	05/18/26 21:44	1
Chromium	ND		0.020	0.0055	mg/L		05/17/26 20:30	05/18/26 21:44	1
Lead	0.016		0.0050	0.0012	mg/L		05/17/26 20:30	05/18/26 21:44	1
Selenium	ND		0.010	0.0028	mg/L		05/17/26 20:30	05/18/26 21:44	1
Silver	ND		0.0050	0.0010	mg/L		05/17/26 20:30	05/18/26 21:44	1
Copper	0.035		0.010	0.0085	mg/L		05/17/26 20:30	05/18/26 21:44	1
Nickel	0.31	B cn	0.010	0.0040	mg/L		05/17/26 20:30	05/18/26 21:44	1
Zinc	0.16		0.10	0.040	mg/L		05/17/26 20:30	05/18/26 21:44	1

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	FL	0.00020	0.000087	mg/L		05/14/26 18:02	05/14/26 23:25	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Client Sample ID: BTSWC

Lab Sample ID: 410-281507-1

Date Collected: 05/05/26 10:20

Matrix: Solid

Date Received: 05/07/26 17:15

Percent Solids: 83.0

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.052	J	0.070	0.023	mg/Kg	☼	05/14/26 14:00	05/14/26 18:41	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Presence of Free Liquid (SW846 9095B)	No	cn			No Unit			05/18/26 09:00	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ignitability (Flash Point) (SW846 1010B)	>200	cn	50	50	Degrees F			05/20/26 16:30	1
Total Solids (SM 2540G-2015)	81		0.10	0.10	%			05/11/26 11:38	1
Total Volatile Solids (SM 2540G-2015)	2.6		0.10	0.10	%			05/11/26 11:38	1
Cyanide, Reactive (SW846 9012)	ND		100	23	mg/Kg	☼	05/19/26 18:21	05/20/26 16:30	1
Halogens, Extractable Organic (SW846 9023)	140		110	55	ug/g	☼	05/13/26 10:00	05/13/26 22:21	1
Sulfide, Reactive (SW846 9034)	51	J	150	51	mg/Kg		05/19/26 18:21	05/19/26 21:36	1
HEM (Oil & Grease) (SW846 9071B)	ND		720	240	mg/Kg	☼	05/19/26 15:43	05/20/26 11:40	1
SGT-HEM (TPH) (SW846 9071B)	ND		360	120	mg/Kg	☼	05/19/26 15:43	05/20/26 11:40	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	17.0	!	1.0	1.0	%			05/12/26 08:55	1

General Chemistry

Lab: Eurofins Buffalo

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Screening of Oxidizers (ASTM D4981)	neg				NONE			05/14/26 09:01	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.6		0.01	0.01	S.U.			05/20/26 17:51	1
Temperature (SW846 9045D)	22.6		0.01	0.01	Degrees C			05/20/26 17:51	1
Corrosivity (SW846 9045D)	NO		0.01	0.01	NONE			05/20/26 17:51	1

General Chemistry - ASTM Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease) (1664B)	ND		5.7	1.6	mg/L			05/19/26 12:01	1
SGT-HEM (TPH) (1664B)	ND		5.7	1.6	mg/L			05/19/26 12:01	1
Chemical Oxygen Demand (EPA 410.4)	37	J B	75	25	mg/L			05/19/26 07:51	1
Ammonia as N (EPA 350.1)	0.070	J	0.10	0.050	mg/L			05/13/26 19:37	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Client Sample ID: BTWWC

Lab Sample ID: 410-281507-2

Date Collected: 05/05/26 10:45

Matrix: Water

Date Received: 05/07/26 17:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			05/18/26 12:20	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/18/26 12:20	1
Ethylbenzene	ND		1.0	0.40	ug/L			05/18/26 12:20	1
Styrene	ND		5.0	0.30	ug/L			05/18/26 12:20	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			05/18/26 12:20	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			05/18/26 12:20	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			05/18/26 12:20	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			05/18/26 12:20	1
Methylcyclohexane	ND		5.0	0.50	ug/L			05/18/26 12:20	1
Toluene	ND		1.0	0.30	ug/L			05/18/26 12:20	1
Chlorobenzene	ND		1.0	0.30	ug/L			05/18/26 12:20	1
Cyclohexane	ND		5.0	1.0	ug/L			05/18/26 12:20	1
1,2,4-Trichlorobenzene	ND	^c	5.0	0.30	ug/L			05/18/26 12:20	1
Dibromochloromethane	0.21	J	1.0	0.20	ug/L			05/18/26 12:20	1
Xylenes, Total	ND		1.0	0.40	ug/L			05/18/26 12:20	1
Tetrachloroethene	ND		1.0	0.30	ug/L			05/18/26 12:20	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/18/26 12:20	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			05/18/26 12:20	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			05/18/26 12:20	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			05/18/26 12:20	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			05/18/26 12:20	1
2-Hexanone	ND		10	0.85	ug/L			05/18/26 12:20	1
Acetone	4.5	J ^c	20	0.70	ug/L			05/18/26 12:20	1
Chloroform	10		1.0	0.30	ug/L			05/18/26 12:20	1
Benzene	ND		1.0	0.30	ug/L			05/18/26 12:20	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			05/18/26 12:20	1
Bromomethane	ND		1.0	0.30	ug/L			05/18/26 12:20	1
Chloromethane	ND		2.0	0.55	ug/L			05/18/26 12:20	1
Chloroethane	ND		1.0	0.30	ug/L			05/18/26 12:20	1
Vinyl chloride	ND		1.0	0.30	ug/L			05/18/26 12:20	1
Methylene Chloride	ND		1.0	0.30	ug/L			05/18/26 12:20	1
Carbon disulfide	ND		5.0	0.30	ug/L			05/18/26 12:20	1
Bromoform	ND		4.0	1.0	ug/L			05/18/26 12:20	1
Bromodichloromethane	2.2		1.0	0.20	ug/L			05/18/26 12:20	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			05/18/26 12:20	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			05/18/26 12:20	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			05/18/26 12:20	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			05/18/26 12:20	1
Freon 113	ND	^c	10	0.30	ug/L			05/18/26 12:20	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			05/18/26 12:20	1
2-Butanone	ND		10	1.0	ug/L			05/18/26 12:20	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			05/18/26 12:20	1
Trichloroethene	15		1.0	0.30	ug/L			05/18/26 12:20	1
Methyl acetate	ND		5.0	0.60	ug/L			05/18/26 12:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/18/26 12:20	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			05/18/26 12:20	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			05/18/26 12:20	1
Isopropylbenzene	ND		5.0	0.30	ug/L			05/18/26 12:20	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Client Sample ID: BTWWC

Lab Sample ID: 410-281507-2

Date Collected: 05/05/26 10:45

Matrix: Water

Date Received: 05/07/26 17:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		05/18/26 12:20	1
Dibromofluoromethane (Surr)	104		80 - 120		05/18/26 12:20	1
4-Bromofluorobenzene (Surr)	101		80 - 120		05/18/26 12:20	1
Toluene-d8 (Surr)	97		80 - 120		05/18/26 12:20	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.020	0.0060	mg/L			05/21/26 22:51	20
Carbon tetrachloride	ND		0.020	0.0060	mg/L			05/21/26 22:51	20
Chlorobenzene	ND		0.020	0.0060	mg/L			05/21/26 22:51	20
Chloroform	ND		0.020	0.0060	mg/L			05/21/26 22:51	20
1,1-Dichloroethene	ND		0.020	0.0060	mg/L			05/21/26 22:51	20
1,2-Dichloroethane	ND		0.020	0.0060	mg/L			05/21/26 22:51	20
2-Butanone	ND		0.20	0.010	mg/L			05/21/26 22:51	20
Tetrachloroethene	ND		0.020	0.0060	mg/L			05/21/26 22:51	20
Trichloroethene	0.0081	J	0.020	0.0060	mg/L			05/21/26 22:51	20
Vinyl chloride	ND		0.020	0.0060	mg/L			05/21/26 22:51	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		05/21/26 22:51	20
4-Bromofluorobenzene (Surr)	99		80 - 120		05/21/26 22:51	20
Dibromofluoromethane (Surr)	105		80 - 120		05/21/26 22:51	20
Toluene-d8 (Surr)	95		80 - 120		05/21/26 22:51	20

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.0025	mg/L		05/17/26 15:43	05/18/26 15:19	1
2,4,5-Trichlorophenol	ND		0.010	0.0025	mg/L		05/17/26 15:43	05/18/26 15:19	1
2,4,6-Trichlorophenol	ND		0.010	0.0025	mg/L		05/17/26 15:43	05/18/26 15:19	1
2,4-Dinitrotoluene	ND		0.025	0.0050	mg/L		05/17/26 15:43	05/18/26 15:19	1
2-Methylphenol	ND		0.010	0.0025	mg/L		05/17/26 15:43	05/18/26 15:19	1
3,4-Methylphenol	ND		0.010	0.0025	mg/L		05/17/26 15:43	05/18/26 15:19	1
Hexachlorobenzene	ND		0.0025	0.00055	mg/L		05/17/26 15:43	05/18/26 15:19	1
Hexachlorobutadiene	ND		0.010	0.0025	mg/L		05/17/26 15:43	05/18/26 15:19	1
Hexachloroethane	ND		0.025	0.0025	mg/L		05/17/26 15:43	05/18/26 15:19	1
Nitrobenzene	ND		0.010	0.0025	mg/L		05/17/26 15:43	05/18/26 15:19	1
Pentachlorophenol	ND		0.025	0.0050	mg/L		05/17/26 15:43	05/18/26 15:19	1
Pyridine	ND		0.025	0.010	mg/L		05/17/26 15:43	05/18/26 15:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	87		13 - 134	05/17/26 15:43	05/18/26 15:19	1
2-Fluorobiphenyl (Surr)	104		45 - 120	05/17/26 15:43	05/18/26 15:19	1
2-Fluorophenol (Surr)	72		10 - 120	05/17/26 15:43	05/18/26 15:19	1
Nitrobenzene-d5 (Surr)	89		33 - 120	05/17/26 15:43	05/18/26 15:19	1
p-Terphenyl-d14 (Surr)	105		26 - 123	05/17/26 15:43	05/18/26 15:19	1
Phenol-d5 (Surr)	56		10 - 120	05/17/26 15:43	05/18/26 15:19	1

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND	cn	0.11	0.056	ug/L		05/12/26 09:00	05/19/26 09:50	1
2,2'-oxybis[1-chloropropane]	ND	cn	1.1	0.56	ug/L		05/12/26 09:00	05/19/26 09:50	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Client Sample ID: BTWWC

Lab Sample ID: 410-281507-2

Date Collected: 05/05/26 10:45

Matrix: Water

Date Received: 05/07/26 17:15

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND	cn	0.11	0.056	ug/L		05/12/26 09:00	05/19/26 09:50	1
2,4,6-Trichlorophenol	ND	cn	0.11	0.056	ug/L		05/12/26 09:00	05/19/26 09:50	1
2,4-Dichlorophenol	ND	^c cn	0.11	0.056	ug/L		05/12/26 09:00	05/19/26 09:50	1
2,4-Dimethylphenol	ND	cn	0.11	0.056	ug/L		05/12/26 09:00	05/19/26 09:50	1
2,4-Dinitrophenol	ND	cn	5.6	1.1	ug/L		05/12/26 09:00	05/19/26 09:50	1
2,4-Dinitrotoluene	ND	cn	1.1	0.56	ug/L		05/12/26 09:00	05/19/26 09:50	1
2,6-Dinitrotoluene	ND	cn	0.47	0.32	ug/L		05/12/26 09:00	05/19/26 09:50	1
2-Chloronaphthalene	ND	cn	0.11	0.056	ug/L		05/12/26 09:00	05/19/26 09:50	1
2-Chlorophenol	ND	cn	0.11	0.056	ug/L		05/12/26 09:00	05/19/26 09:50	1
2-Methylnaphthalene	ND	^c cn	0.11	0.056	ug/L		05/12/26 09:00	05/19/26 09:50	1
2-Methylphenol	ND	cn	0.28	0.22	ug/L		05/12/26 09:00	05/19/26 09:50	1
2-Nitroaniline	ND	cn	1.1	0.56	ug/L		05/12/26 09:00	05/19/26 09:50	1
2-Nitrophenol	ND	cn	0.11	0.056	ug/L		05/12/26 09:00	05/19/26 09:50	1
3,3'-Dichlorobenzidine	ND	cn	0.11	0.056	ug/L		05/12/26 09:00	05/19/26 09:50	1
3-Nitroaniline	ND	cn	1.1	0.56	ug/L		05/12/26 09:00	05/19/26 09:50	1
4,6-Dinitro-2-methylphenol	ND	cn	0.69	0.56	ug/L		05/12/26 09:00	05/19/26 09:50	1
4-Bromophenyl phenyl ether	ND	cn	0.11	0.056	ug/L		05/12/26 09:00	05/19/26 09:50	1
4-Chloro-3-methylphenol	ND	cn	0.11	0.056	ug/L		05/12/26 09:00	05/19/26 09:50	1
4-Chloroaniline	ND	cn	0.11	0.056	ug/L		05/12/26 09:00	05/19/26 09:50	1
4-Chlorophenyl phenyl ether	ND	cn	1.1	0.56	ug/L		05/12/26 09:00	05/19/26 09:50	1
3,4-Methylphenol	ND	cn	0.28	0.22	ug/L		05/12/26 09:00	05/19/26 09:50	1
4-Nitroaniline	ND	cn	1.1	0.56	ug/L		05/12/26 09:00	05/19/26 09:50	1
4-Nitrophenol	ND	cn	5.6	1.1	ug/L		05/12/26 09:00	05/19/26 09:50	1
Acenaphthene	ND	cn	0.11	0.056	ug/L		05/12/26 09:00	05/19/26 09:50	1
Acenaphthylene	ND	cn	0.11	0.056	ug/L		05/12/26 09:00	05/19/26 09:50	1
Acetophenone	1.0	J cn	1.1	0.56	ug/L		05/12/26 09:00	05/19/26 09:50	1
Anthracene	ND	^c cn	0.11	0.056	ug/L		05/12/26 09:00	05/19/26 09:50	1
Atrazine	ND		1.1	0.84	ug/L		05/12/26 09:00	05/19/26 22:36	1
Benzaldehyde	ND	cn	1.1	0.84	ug/L		05/12/26 09:00	05/19/26 09:50	1
Benzo[a]anthracene	ND	cn	0.049	0.020	ug/L		05/12/26 09:00	05/19/26 09:50	1
Benzo[a]pyrene	ND	cn	0.049	0.020	ug/L		05/12/26 09:00	05/19/26 09:50	1
Benzo[b]fluoranthene	ND	cn	0.049	0.020	ug/L		05/12/26 09:00	05/19/26 09:50	1
Benzo[g,h,i]perylene	ND	cn	0.11	0.056	ug/L		05/12/26 09:00	05/19/26 09:50	1
Benzo[k]fluoranthene	ND	cn	0.049	0.020	ug/L		05/12/26 09:00	05/19/26 09:50	1
Bis(2-chloroethoxy)methane	ND	^c cn	0.11	0.056	ug/L		05/12/26 09:00	05/19/26 09:50	1
Bis(2-chloroethyl)ether	ND	cn	0.11	0.056	ug/L		05/12/26 09:00	05/19/26 09:50	1
Bis(2-ethylhexyl) phthalate	ND	cn	1.1	0.56	ug/L		05/12/26 09:00	05/19/26 09:50	1
Butyl benzyl phthalate	ND	cn	1.1	0.56	ug/L		05/12/26 09:00	05/19/26 09:50	1
Caprolactam	ND		2.8	1.1	ug/L		05/12/26 09:00	05/19/26 22:36	1
Carbazole	ND	cn	0.29	0.056	ug/L		05/12/26 09:00	05/19/26 09:50	1
Chrysene	ND	cn	0.11	0.056	ug/L		05/12/26 09:00	05/19/26 09:50	1
Di-n-butyl phthalate	ND	^c cn	3.5	1.8	ug/L		05/12/26 09:00	05/19/26 09:50	1
Di-n-octyl phthalate	ND	cn	1.1	0.56	ug/L		05/12/26 09:00	05/19/26 09:50	1
Dibenz(a,h)anthracene	ND	cn	0.049	0.020	ug/L		05/12/26 09:00	05/19/26 09:50	1
Dibenzofuran	ND	cn	0.11	0.056	ug/L		05/12/26 09:00	05/19/26 09:50	1
Diethyl phthalate	ND	cn	1.1	0.56	ug/L		05/12/26 09:00	05/19/26 09:50	1
Dimethyl phthalate	ND	cn	1.1	0.56	ug/L		05/12/26 09:00	05/19/26 09:50	1
Fluoranthene	ND	^c cn	0.11	0.056	ug/L		05/12/26 09:00	05/19/26 09:50	1
Fluorene	ND	^c cn	0.11	0.056	ug/L		05/12/26 09:00	05/19/26 09:50	1

Eurolins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Client Sample ID: BTWWC

Lab Sample ID: 410-281507-2

Date Collected: 05/05/26 10:45

Matrix: Water

Date Received: 05/07/26 17:15

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	ND	cn	0.032	0.018	ug/L		05/12/26 09:00	05/19/26 09:50	1
Hexachlorobutadiene	ND	cn	0.11	0.056	ug/L		05/12/26 09:00	05/19/26 09:50	1
Hexachlorocyclopentadiene	ND	^c cn	0.11	0.056	ug/L		05/12/26 09:00	05/19/26 09:50	1
Hexachloroethane	ND	cn	0.11	0.056	ug/L		05/12/26 09:00	05/19/26 09:50	1
Indeno[1,2,3-cd]pyrene	ND	cn	0.11	0.056	ug/L		05/12/26 09:00	05/19/26 09:50	1
Isophorone	ND	cn	0.11	0.056	ug/L		05/12/26 09:00	05/19/26 09:50	1
N-Nitrosodi-n-propylamine	ND	cn	0.098	0.056	ug/L		05/12/26 09:00	05/19/26 09:50	1
N-Nitrosodiphenylamine	ND	cn	0.11	0.056	ug/L		05/12/26 09:00	05/19/26 09:50	1
Naphthalene	ND	cn	0.11	0.056	ug/L		05/12/26 09:00	05/19/26 09:50	1
Nitrobenzene	ND	cn	1.1	0.56	ug/L		05/12/26 09:00	05/19/26 09:50	1
Pentachlorophenol	ND	^c *+ cn	1.1	0.56	ug/L		05/12/26 09:00	05/19/26 09:50	1
Phenanthrene	ND	cn	0.11	0.056	ug/L		05/12/26 09:00	05/19/26 09:50	1
Phenol	ND	cn	1.1	0.56	ug/L		05/12/26 09:00	05/19/26 09:50	1
Pyrene	ND	^c cn	0.11	0.056	ug/L		05/12/26 09:00	05/19/26 09:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	107	cn	48 - 173	05/12/26 09:00	05/19/26 09:50	1
2-Fluorophenol (Surr)	55	cn	30 - 120	05/12/26 09:00	05/19/26 09:50	1
Nitrobenzene-d5 (Surr)	102	cn	50 - 196	05/12/26 09:00	05/19/26 09:50	1
p-Terphenyl-d14 (Surr)	52	cn	23 - 149	05/12/26 09:00	05/19/26 09:50	1
2,4,6-Tribromophenol (Surr)	89	cn	72 - 172	05/12/26 09:00	05/19/26 09:50	1
Phenol-d5 (Surr)	40	cn	10 - 120	05/12/26 09:00	05/19/26 09:50	1

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		50	20	ug/L			05/13/26 15:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	104		63 - 135		05/13/26 15:02	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		110	56	ug/L		05/12/26 04:36	05/13/26 09:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	99		37 - 153	05/12/26 04:36	05/13/26 09:26	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.020	0.0020	ug/L		05/11/26 17:20	05/12/26 11:40	1
alpha-BHC (1C)	ND		0.020	0.0030	ug/L		05/11/26 17:20	05/12/26 11:40	1
alpha-Chlordane (1C)	ND		0.020	0.0030	ug/L		05/11/26 17:20	05/12/26 11:40	1
beta-BHC (1C)	ND		0.030	0.011	ug/L		05/11/26 17:20	05/12/26 11:40	1
delta-BHC (1C)	ND		0.020	0.0030	ug/L		05/11/26 17:20	05/12/26 11:40	1
Dieldrin (1C)	ND		0.020	0.0040	ug/L		05/11/26 17:20	05/12/26 11:40	1
Endosulfan I (1C)	ND		0.020	0.0040	ug/L		05/11/26 17:20	05/12/26 11:40	1
Endosulfan II (1C)	ND		0.040	0.015	ug/L		05/11/26 17:20	05/12/26 11:40	1
Endosulfan sulfate (1C)	ND		0.030	0.014	ug/L		05/11/26 17:20	05/12/26 11:40	1
Endrin (1C)	ND		0.030	0.0079	ug/L		05/11/26 17:20	05/12/26 11:40	1
Endrin aldehyde (1C)	ND		0.099	0.020	ug/L		05/11/26 17:20	05/12/26 11:40	1
Endrin ketone (1C)	ND		0.030	0.0050	ug/L		05/11/26 17:20	05/12/26 11:40	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Client Sample ID: BTWWC

Lab Sample ID: 410-281507-2

Date Collected: 05/05/26 10:45

Matrix: Water

Date Received: 05/07/26 17:15

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane) (1C)	ND		0.020	0.0020	ug/L		05/11/26 17:20	05/12/26 11:40	1
gamma-Chlordane (1C)	ND		0.040	0.0069	ug/L		05/11/26 17:20	05/12/26 11:40	1
Heptachlor (1C)	ND		0.020	0.0020	ug/L		05/11/26 17:20	05/12/26 11:40	1
Heptachlor epoxide (1C)	ND		0.020	0.0040	ug/L		05/11/26 17:20	05/12/26 11:40	1
Methoxychlor (1C)	ND		0.11	0.077	ug/L		05/11/26 17:20	05/12/26 11:40	1
Toxaphene (1C)	ND		0.99	0.30	ug/L		05/11/26 17:20	05/12/26 11:40	1
p,p'-DDD (1C)	ND		0.030	0.013	ug/L		05/11/26 17:20	05/12/26 11:40	1
p,p'-DDE (1C)	ND		0.030	0.011	ug/L		05/11/26 17:20	05/12/26 11:40	1
p,p'-DDT (1C)	ND		0.030	0.0050	ug/L		05/11/26 17:20	05/12/26 11:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	82		20 - 149				05/11/26 17:20	05/12/26 11:40	1
DCB Decachlorobiphenyl (Surr) (2C)	82		20 - 149				05/11/26 17:20	05/12/26 11:40	1
Tetrachloro-m-xylene (Surr) (1C)	63		20 - 129				05/11/26 17:20	05/12/26 11:40	1
Tetrachloro-m-xylene (Surr) (2C)	63		20 - 129				05/11/26 17:20	05/12/26 11:40	1

Method: SW846 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin (1C)	ND		0.000060	0.000016	mg/L		05/17/26 16:31	05/18/26 11:58	1
gamma-BHC (Lindane) (1C)	ND		0.000040	0.0000040	mg/L		05/17/26 16:31	05/18/26 11:58	1
Heptachlor (1C)	ND		0.000040	0.0000040	mg/L		05/17/26 16:31	05/18/26 11:58	1
Heptachlor epoxide (1C)	ND		0.000040	0.0000080	mg/L		05/17/26 16:31	05/18/26 11:58	1
Methoxychlor (1C)	ND		0.00022	0.00016	mg/L		05/17/26 16:31	05/18/26 11:58	1
Toxaphene (1C)	ND		0.0020	0.00060	mg/L		05/17/26 16:31	05/18/26 11:58	1
Chlordane (n.o.s.) (1C)	ND		0.0010	0.00032	mg/L		05/17/26 16:31	05/18/26 11:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	92		21 - 130				05/17/26 16:31	05/18/26 11:58	1
DCB Decachlorobiphenyl (Surr) (2C)	89		21 - 130				05/17/26 16:31	05/18/26 11:58	1
Tetrachloro-m-xylene (Surr) (1C)	96	^c cn	39 - 139				05/17/26 16:31	05/18/26 11:58	1
Tetrachloro-m-xylene (Surr) (2C)	88		39 - 139				05/17/26 16:31	05/18/26 11:58	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016 (1C)	ND		0.18	0.092	ug/L		05/11/26 16:27	05/12/26 12:18	1
PCB-1221 (1C)	ND		0.18	0.092	ug/L		05/11/26 16:27	05/12/26 12:18	1
PCB-1232 (1C)	ND		0.18	0.092	ug/L		05/11/26 16:27	05/12/26 12:18	1
PCB-1242 (1C)	ND		0.18	0.092	ug/L		05/11/26 16:27	05/12/26 12:18	1
PCB-1248 (1C)	ND		0.18	0.092	ug/L		05/11/26 16:27	05/12/26 12:18	1
PCB-1254 (1C)	ND		0.18	0.092	ug/L		05/11/26 16:27	05/12/26 12:18	1
PCB-1260 (1C)	ND		0.18	0.092	ug/L		05/11/26 16:27	05/12/26 12:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	40		10 - 148				05/11/26 16:27	05/12/26 12:18	1
DCB Decachlorobiphenyl (Surr) (2C)	37		10 - 148				05/11/26 16:27	05/12/26 12:18	1
Tetrachloro-m-xylene (1C)	96		33 - 137				05/11/26 16:27	05/12/26 12:18	1
Tetrachloro-m-xylene (2C)	87		33 - 137				05/11/26 16:27	05/12/26 12:18	1

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	6.0		3.4	0.93	ng/L		05/19/26 14:17	05/22/26 08:54	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Client Sample ID: BTWWC

Lab Sample ID: 410-281507-2

Date Collected: 05/05/26 10:45

Matrix: Water

Date Received: 05/07/26 17:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	9.1		1.7	0.51	ng/L		05/19/26 14:17	05/22/26 08:54	1
Perfluorohexanoic acid (PFHxA)	7.4		1.7	0.42	ng/L		05/19/26 14:17	05/22/26 08:54	1
Perfluoroheptanoic acid (PFHpA)	3.7		1.7	0.67	ng/L		05/19/26 14:17	05/22/26 08:54	1
Perfluorooctanoic acid (PFOA)	6.4		1.7	0.76	ng/L		05/19/26 14:17	05/22/26 08:54	1
Perfluorononanoic acid (PFNA)	1.4 J		1.7	0.42	ng/L		05/19/26 14:17	05/22/26 08:54	1
Perfluorodecanoic acid (PFDA)	ND		1.7	0.42	ng/L		05/19/26 14:17	05/22/26 08:54	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.42	ng/L		05/19/26 14:17	05/22/26 08:54	1
Perfluorododecanoic acid (PFDoA)	ND		1.7	0.42	ng/L		05/19/26 14:17	05/22/26 08:54	1
Perfluorotridecanoic acid (PFTrDA)	ND		1.7	0.42	ng/L		05/19/26 14:17	05/22/26 08:54	1
Perfluorotetradecanoic acid (PFTeDA)	ND		1.7	0.42	ng/L		05/19/26 14:17	05/22/26 08:54	1
Perfluorobutanesulfonic acid (PFBS)	3.1		1.7	0.42	ng/L		05/19/26 14:17	05/22/26 08:54	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.7	0.42	ng/L		05/19/26 14:17	05/22/26 08:54	1
Perfluorohexanesulfonic acid (PFHxS)	1.0 J		1.7	0.67	ng/L		05/19/26 14:17	05/22/26 08:54	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		1.7	0.42	ng/L		05/19/26 14:17	05/22/26 08:54	1
Perfluorooctanesulfonic acid (PFOS)	1.5 J		1.7	1.1	ng/L		05/19/26 14:17	05/22/26 08:54	1
Perfluorononanesulfonic acid (PFNS)	ND		1.7	0.42	ng/L		05/19/26 14:17	05/22/26 08:54	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.42	ng/L		05/19/26 14:17	05/22/26 08:54	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.7	0.51	ng/L		05/19/26 14:17	05/22/26 08:54	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		3.4	0.84	ng/L		05/19/26 14:17	05/22/26 08:54	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	11		3.4	0.84	ng/L		05/19/26 14:17	05/22/26 08:54	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		3.4	0.84	ng/L		05/19/26 14:17	05/22/26 08:54	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.7	0.42	ng/L		05/19/26 14:17	05/22/26 08:54	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		1.7	0.42	ng/L		05/19/26 14:17	05/22/26 08:54	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		1.7	0.93	ng/L		05/19/26 14:17	05/22/26 08:54	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		1.7	0.42	ng/L		05/19/26 14:17	05/22/26 08:54	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		1.7	0.42	ng/L		05/19/26 14:17	05/22/26 08:54	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		8.4	3.4	ng/L		05/19/26 14:17	05/22/26 08:54	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		8.4	3.4	ng/L		05/19/26 14:17	05/22/26 08:54	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		1.7	1.2	ng/L		05/19/26 14:17	05/22/26 08:54	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		1.7	0.42	ng/L		05/19/26 14:17	05/22/26 08:54	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		1.7	0.42	ng/L		05/19/26 14:17	05/22/26 08:54	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		1.7	0.42	ng/L		05/19/26 14:17	05/22/26 08:54	1
Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	ND		1.7	0.42	ng/L		05/19/26 14:17	05/22/26 08:54	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		1.7	0.42	ng/L		05/19/26 14:17	05/22/26 08:54	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Client Sample ID: BTWWC

Lab Sample ID: 410-281507-2

Date Collected: 05/05/26 10:45

Matrix: Water

Date Received: 05/07/26 17:15

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		1.7	0.42	ng/L		05/19/26 14:17	05/22/26 08:54	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	ND		1.7	0.42	ng/L		05/19/26 14:17	05/22/26 08:54	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		3.4	0.84	ng/L		05/19/26 14:17	05/22/26 08:54	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		8.4	2.4	ng/L		05/19/26 14:17	05/22/26 08:54	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		8.4	2.1	ng/L		05/19/26 14:17	05/22/26 08:54	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	94.8		5 - 130				05/19/26 14:17	05/22/26 08:54	1
13C5 PFPeA	93.7		40 - 130				05/19/26 14:17	05/22/26 08:54	1
13C5 PFHxA	95.1		40 - 130				05/19/26 14:17	05/22/26 08:54	1
13C4 PFHpA	93.4		40 - 130				05/19/26 14:17	05/22/26 08:54	1
13C8 PFOA	90.6		40 - 130				05/19/26 14:17	05/22/26 08:54	1
13C9 PFNA	88.2		40 - 130				05/19/26 14:17	05/22/26 08:54	1
13C6 PFDA	85.4		40 - 130				05/19/26 14:17	05/22/26 08:54	1
13C7 PFUnA	82.0		30 - 130				05/19/26 14:17	05/22/26 08:54	1
13C2 PFTeDA	69.0		10 - 130				05/19/26 14:17	05/22/26 08:54	1
13C3 PFBS	83.8		40 - 135				05/19/26 14:17	05/22/26 08:54	1
13C3 PFHxS	82.2		40 - 130				05/19/26 14:17	05/22/26 08:54	1
13C8 PFOS	86.7		40 - 130				05/19/26 14:17	05/22/26 08:54	1
13C8 FOSA	78.5		40 - 130				05/19/26 14:17	05/22/26 08:54	1
d3-NMeFOSAA	79.9		40 - 170				05/19/26 14:17	05/22/26 08:54	1
d5-NEtFOSAA	75.4		25 - 135				05/19/26 14:17	05/22/26 08:54	1
13C2 4:2 FTS	107		40 - 200				05/19/26 14:17	05/22/26 08:54	1
13C2 6:2 FTS	92.3		40 - 200				05/19/26 14:17	05/22/26 08:54	1
13C2 8:2 FTS	181		40 - 300				05/19/26 14:17	05/22/26 08:54	1
13C3 HFPO-DA	91.5		40 - 130				05/19/26 14:17	05/22/26 08:54	1
d7-N-MeFOSE-M	73.7		10 - 130				05/19/26 14:17	05/22/26 08:54	1
d9-N-EtFOSE-M	73.8		10 - 130				05/19/26 14:17	05/22/26 08:54	1
d5-NEtPFOSA	68.5		10 - 130				05/19/26 14:17	05/22/26 08:54	1
d3-NMePFOSA	66.8		10 - 130				05/19/26 14:17	05/22/26 08:54	1
13C2 PFDoA	75.4		10 - 130				05/19/26 14:17	05/22/26 08:54	1
13C3-PFDoS	75.6		20 - 150				05/19/26 14:17	05/22/26 08:54	1
13C3-3:3 FTCA	93.9		20 - 150				05/19/26 14:17	05/22/26 08:54	1
13C3-5:3 FTCA	85.1		20 - 150				05/19/26 14:17	05/22/26 08:54	1

Method: SW846 8321B - Herbicides (LC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		0.10	0.040	ug/L		05/11/26 09:56	05/11/26 15:04	1
Silvex (2,4,5-TP)	ND		0.10	0.030	ug/L		05/11/26 09:56	05/11/26 15:04	1
2,4-D	ND		0.10	0.080	ug/L		05/11/26 09:56	05/11/26 15:04	1
2,4-DB	ND		0.40	0.13	ug/L		05/11/26 09:56	05/11/26 15:04	1
Dichlorprop	ND		0.10	0.040	ug/L		05/11/26 09:56	05/11/26 15:04	1
Dalapon	0.37		0.20	0.090	ug/L		05/11/26 09:56	05/11/26 15:04	1
Dicamba	ND		0.40	0.20	ug/L		05/11/26 09:56	05/11/26 15:04	1
MCPP	ND		0.10	0.040	ug/L		05/11/26 09:56	05/11/26 15:04	1
MCPA	ND		0.10	0.030	ug/L		05/11/26 09:56	05/11/26 15:04	1
Pentachlorophenol	ND		0.10	0.030	ug/L		05/11/26 09:56	05/11/26 15:04	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Client Sample ID: BTWWC

Lab Sample ID: 410-281507-2

Date Collected: 05/05/26 10:45

Matrix: Water

Date Received: 05/07/26 17:15

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr)	101		70 - 130				05/11/26 09:56	05/11/26 15:04	1
Method: SW846 8321B - Herbicides (LC/MS) - TCLP									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.00010	0.000030	mg/L		05/15/26 13:03	05/15/26 21:41	1
2,4-D	ND		0.00010	0.000080	mg/L		05/15/26 13:03	05/15/26 21:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr)	96		70 - 130				05/15/26 13:03	05/15/26 21:41	1
Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0020	0.00068	mg/L		05/19/26 22:00	05/20/26 10:44	1
Barium	0.0043		0.0020	0.00075	mg/L		05/19/26 22:00	05/20/26 10:44	1
Cadmium	ND		0.00050	0.00015	mg/L		05/19/26 22:00	05/20/26 10:44	1
Chromium	ND		0.0020	0.00055	mg/L		05/19/26 22:00	05/20/26 10:44	1
Lead	ND		0.00050	0.00012	mg/L		05/19/26 22:00	05/20/26 10:44	1
Selenium	ND		0.0010	0.00028	mg/L		05/19/26 22:00	05/20/26 10:44	1
Silver	ND		0.00050	0.00010	mg/L		05/19/26 22:00	05/20/26 10:44	1
Nickel	0.00062	J	0.0010	0.00040	mg/L		05/19/26 22:00	05/20/26 10:44	1
Copper	ND		0.0010	0.00085	mg/L		05/19/26 22:00	05/20/26 10:44	1
Zinc	ND		0.010	0.0040	mg/L		05/19/26 22:00	05/20/26 10:44	1
Method: SW846 6020B - Metals (ICP/MS) - TCLP									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.020	0.0068	mg/L		05/18/26 09:50	05/18/26 20:09	1
Barium	0.013	J	0.020	0.0075	mg/L		05/18/26 09:50	05/18/26 20:09	1
Cadmium	ND		0.0050	0.0015	mg/L		05/18/26 09:50	05/18/26 20:09	1
Chromium	ND		0.020	0.0055	mg/L		05/18/26 09:50	05/18/26 20:09	1
Lead	ND		0.0050	0.0012	mg/L		05/18/26 09:50	05/18/26 20:09	1
Selenium	ND		0.010	0.0028	mg/L		05/18/26 09:50	05/18/26 20:09	1
Silver	ND		0.0050	0.0010	mg/L		05/18/26 09:50	05/18/26 20:09	1
Method: SW846 7470A - Mercury (CVAA)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000087	mg/L		05/18/26 18:01	05/18/26 23:26	1
Method: SW846 7470A - Mercury (CVAA) - TCLP									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000087	mg/L		05/20/26 09:00	05/20/26 20:19	1
General Chemistry									
Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Presence of Free Liquid (SW846 9095B)	Yes	cn			No Unit			05/18/26 09:00	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint (SW846 1010B)	>200		50	50	Degrees F			05/20/26 16:30	1
HEM (Oil & Grease) (1664B)	ND		5.2	1.5	mg/L			05/19/26 20:35	1
SGT-HEM (TPH) (1664B)	ND		5.2	1.5	mg/L			05/19/26 20:35	1
Total Solids (SM 2540B-2015)	340		42	18	mg/L			05/12/26 06:22	1
Total Volatile Solids (SM 2540E-2015)	200	!	42	14	mg/L			05/12/26 06:22	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Client Sample ID: BTWWC

Lab Sample ID: 410-281507-2

Date Collected: 05/05/26 10:45

Matrix: Water

Date Received: 05/07/26 17:15

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand (EPA 410.4)	43	J	75	25	mg/L			05/20/26 10:23	1
Cyanide, Reactive (SW846 9012)	ND	F2	90	20	mg/Kg		05/19/26 18:21	05/20/26 15:30	1
Halogens, Total Organic (SW846 9020B)	190	cn	89	60	ug/L		05/21/26 13:00	05/22/26 01:33	1
TOX Result 1 (SW846 9020B)	200	cn	89	60	ug/L		05/21/26 13:00	05/22/26 01:33	1
TOX Result 2 (SW846 9020B)	180	cn	89	60	ug/L		05/21/26 13:00	05/22/26 01:33	1
Sulfide, Reactive (SW846 9034)	ND		160	54	mg/Kg		05/19/26 18:21	05/19/26 21:36	1
pH (SW846 9040C)	8.0	HF	0.01	0.01	S.U.			05/14/26 14:58	1
Temperature (SW846 9040C)	20.8	HF	0.01	0.01	Degrees C			05/14/26 14:58	1
Corrosivity (SW846 9040C)	No	HF	0.01	0.01	NONE			05/14/26 14:58	1
Ammonia as N (EPA 350.1)	0.54	cn	0.10	0.050	mg/L			05/20/26 14:49	1

General Chemistry

Lab: Eurofins Buffalo

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Screening of Oxidizers (ASTM D4981)	neg				NONE			05/14/26 09:01	1

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Client Sample ID: Trip Blank

Lab Sample ID: 410-281507-3

Date Collected: 05/05/26 00:00

Matrix: Water

Date Received: 05/07/26 17:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			05/18/26 11:40	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/18/26 11:40	1
Ethylbenzene	ND		1.0	0.40	ug/L			05/18/26 11:40	1
Styrene	ND		5.0	0.30	ug/L			05/18/26 11:40	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			05/18/26 11:40	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			05/18/26 11:40	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			05/18/26 11:40	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			05/18/26 11:40	1
Methylcyclohexane	ND		5.0	0.50	ug/L			05/18/26 11:40	1
Toluene	ND		1.0	0.30	ug/L			05/18/26 11:40	1
Chlorobenzene	ND		1.0	0.30	ug/L			05/18/26 11:40	1
Cyclohexane	ND		5.0	1.0	ug/L			05/18/26 11:40	1
1,2,4-Trichlorobenzene	ND	^c cn	5.0	0.30	ug/L			05/18/26 11:40	1
Dibromochloromethane	ND		1.0	0.20	ug/L			05/18/26 11:40	1
Xylenes, Total	ND		1.0	0.40	ug/L			05/18/26 11:40	1
Tetrachloroethene	ND		1.0	0.30	ug/L			05/18/26 11:40	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/18/26 11:40	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			05/18/26 11:40	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			05/18/26 11:40	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			05/18/26 11:40	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			05/18/26 11:40	1
2-Hexanone	ND		10	0.85	ug/L			05/18/26 11:40	1
Acetone	ND	^c cn	20	0.70	ug/L			05/18/26 11:40	1
Chloroform	ND		1.0	0.30	ug/L			05/18/26 11:40	1
Benzene	ND		1.0	0.30	ug/L			05/18/26 11:40	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			05/18/26 11:40	1
Bromomethane	ND		1.0	0.30	ug/L			05/18/26 11:40	1
Chloromethane	ND		2.0	0.55	ug/L			05/18/26 11:40	1
Chloroethane	ND		1.0	0.30	ug/L			05/18/26 11:40	1
Vinyl chloride	ND		1.0	0.30	ug/L			05/18/26 11:40	1
Methylene Chloride	ND		1.0	0.30	ug/L			05/18/26 11:40	1
Carbon disulfide	ND		5.0	0.30	ug/L			05/18/26 11:40	1
Bromoform	ND		4.0	1.0	ug/L			05/18/26 11:40	1
Bromodichloromethane	ND		1.0	0.20	ug/L			05/18/26 11:40	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			05/18/26 11:40	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			05/18/26 11:40	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			05/18/26 11:40	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			05/18/26 11:40	1
Freon 113	ND	^c cn	10	0.30	ug/L			05/18/26 11:40	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			05/18/26 11:40	1
2-Butanone	ND		10	1.0	ug/L			05/18/26 11:40	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			05/18/26 11:40	1
Trichloroethene	ND		1.0	0.30	ug/L			05/18/26 11:40	1
Methyl acetate	ND		5.0	0.60	ug/L			05/18/26 11:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/18/26 11:40	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			05/18/26 11:40	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			05/18/26 11:40	1
Isopropylbenzene	ND		5.0	0.30	ug/L			05/18/26 11:40	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Client Sample ID: Trip Blank

Lab Sample ID: 410-281507-3

Date Collected: 05/05/26 00:00

Matrix: Water

Date Received: 05/07/26 17:15

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	107		80 - 120		05/18/26 11:40	1
Dibromofluoromethane (Surr)	103		80 - 120		05/18/26 11:40	1
4-Bromofluorobenzene (Surr)	100		80 - 120		05/18/26 11:40	1
Toluene-d8 (Surr)	98		80 - 120		05/18/26 11:40	1

Surrogate Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (71-122)	DBFM (74-120)	BFB (70-120)	TOL (76-120)
410-281507-1	BTSWC	102 cn	102 cn	108 cn	104 cn
LCS 410-817310/4	Lab Control Sample	83	83	88	84
LCSD 410-817310/5	Lab Control Sample Dup	83	82	88	83
MB 410-817310/7	Method Blank	106	105	110	107

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

DBFM = Dibromofluoromethane (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (80-120)	DBFM (80-120)	BFB (80-120)	TOL (80-120)
LCS 410-822101/5	Lab Control Sample	105	102	98	96
MB 410-822101/6	Method Blank	105	105	100	96

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

DBFM = Dibromofluoromethane (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: TCLP

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (80-120)	BFB (80-120)	DBFM (80-120)	TOL (80-120)
410-281507-1	BTSWC	104	100	105	96
410-281507-1 MS	BTSWC	103	99	103	98
410-281507-1 MSD	BTSWC	101	99	103	99

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (80-120)	DBFM (80-120)	BFB (80-120)	TOL (80-120)
410-281507-2	BTWWC	103	104	101	97
410-281507-2 MS	BTWWC	103	103	97	98
410-281507-2 MSD	BTWWC	103	102	101	97
410-281507-3	Trip Blank	107	103	100	98

Eurofins Lancaster Laboratories Environment Testing, LLC

Surrogate Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (80-120)	DBFM (80-120)	BFB (80-120)	TOL (80-120)
LCS 410-819112/63	Lab Control Sample	104	101	98	98
MB 410-819112/10	Method Blank	104	104	101	98
Surrogate Legend					
DCA = 1,2-Dichloroethane-d4 (Surr)					
DBFM = Dibromofluoromethane (Surr)					
BFB = 4-Bromofluorobenzene (Surr)					
TOL = Toluene-d8 (Surr)					

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: TCLP

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (80-120)	BFB (80-120)	DBFM (80-120)	TOL (80-120)
410-281507-2	BTWWC	104	99	105	95
Surrogate Legend					
DCA = 1,2-Dichloroethane-d4 (Surr)					
BFB = 4-Bromofluorobenzene (Surr)					
DBFM = Dibromofluoromethane (Surr)					
TOL = Toluene-d8 (Surr)					

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		FBP (45-120)	2FP (10-120)	NBZ (33-120)	TPHd14 (26-123)	TBP (13-134)	PHL (10-120)
LCS 410-818150/4-A	Lab Control Sample	86	58	84	93	84	41
MB 410-818150/1-A	Method Blank	80	55	78	86	85	40
Surrogate Legend							
FBP = 2-Fluorobiphenyl (Surr)							
2FP = 2-Fluorophenol (Surr)							
NBZ = Nitrobenzene-d5 (Surr)							
TPHd14 = p-Terphenyl-d14 (Surr)							
TBP = 2,4,6-Tribromophenol (Surr)							
PHL = Phenol-d5 (Surr)							

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		FBP (34-120)	2FP (14-120)	NBZ (26-120)	TPHd14 (39-137)	TBP (17-131)	PHL (18-120)
410-281507-1	BTSWC	80	71	74	85	80	72
410-281507-1	BTSWC	78	75	77	77	72	72
LCS 410-816403/2-A	Lab Control Sample	86	88	81	95	99	95
MB 410-816403/1-A	Method Blank	81	84	75	97	95	87
Surrogate Legend							
FBP = 2-Fluorobiphenyl (Surr)							

Surrogate Summary

Client: Groundwater & Environmental Services Inc

Job ID: 410-281507-1

Project/Site: GTAC Bishop Tube HSCA Site

2FP = 2-Fluorophenol (Surr)

NBZ = Nitrobenzene-d5 (Surr)

TPHd14 = p-Terphenyl-d14 (Surr)

TBP = 2,4,6-Tribromophenol (Surr)

PHL = Phenol-d5 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: TCLP

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (13-134)	FBP (45-120)	2FP (10-120)	NBZ (33-120)	TPHd14 (26-123)	PHL (10-120)
410-281507-1	BTSWC	34	84	4 S1-	80	89	2 S1-
410-281507-1 MS	BTSWC	52	87	28	86	87	21
410-281507-1 MSD	BTSWC	52	93	34	87	89	27

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)

FBP = 2-Fluorobiphenyl (Surr)

2FP = 2-Fluorophenol (Surr)

NBZ = Nitrobenzene-d5 (Surr)

TPHd14 = p-Terphenyl-d14 (Surr)

PHL = Phenol-d5 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		FBP (45-120)	2FP (10-120)	NBZ (33-120)	TPHd14 (26-123)	TBP (13-134)	PHL (10-120)
LCS 410-818955/3-A	Lab Control Sample	91	62	82	96	82	48
MB 410-818955/2-A	Method Blank	103	42	93	114	46	43

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)

2FP = 2-Fluorophenol (Surr)

NBZ = Nitrobenzene-d5 (Surr)

TPHd14 = p-Terphenyl-d14 (Surr)

TBP = 2,4,6-Tribromophenol (Surr)

PHL = Phenol-d5 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: TCLP

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (13-134)	FBP (45-120)	2FP (10-120)	NBZ (33-120)	TPHd14 (26-123)	PHL (10-120)
410-281507-2	BTWWC	87	104	72	89	105	56

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)

FBP = 2-Fluorobiphenyl (Surr)

2FP = 2-Fluorophenol (Surr)

NBZ = Nitrobenzene-d5 (Surr)

TPHd14 = p-Terphenyl-d14 (Surr)

PHL = Phenol-d5 (Surr)

Surrogate Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		FBP (48-173)	2FP (30-120)	NBZ (50-196)	TPHd14 (23-149)	TBP (72-172)	PHL (10-120)
410-281507-2	BTWWC	107 cn	55 cn	102 cn	52 cn	89 cn	40 cn
LCS 410-815929/2-A	Lab Control Sample	92	66	101	99	120	47
MB 410-815929/1-A	Method Blank	103	69	90	66	65 S1-	44
Surrogate Legend							
FBP = 2-Fluorobiphenyl (Surr)							
2FP = 2-Fluorophenol (Surr)							
NBZ = Nitrobenzene-d5 (Surr)							
TPHd14 = p-Terphenyl-d14 (Surr)							
TBP = 2,4,6-Tribromophenol (Surr)							
PHL = Phenol-d5 (Surr)							

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TFT-F1 (50-142)					
410-281507-1	BTSWC	99					
LCS 410-818205/6	Lab Control Sample	91					
LCSD 410-818205/7	Lab Control Sample Dup	90					
MB 410-818205/5	Method Blank	95					
Surrogate Legend							
TFT-F = a,a,a-Trifluorotoluene (fid)							

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TFT-F1 (63-135)					
410-281507-2	BTWWC	104					
LCS 410-816542/6	Lab Control Sample	99					
LCSD 410-816542/7	Lab Control Sample Dup	99					
MB 410-816542/5	Method Blank	104					
Surrogate Legend							
TFT-F = a,a,a-Trifluorotoluene (fid)							

Method: 8015D - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		OTP (49-154)					
410-281507-1	BTSWC	80					
LCS 410-820024/2-A	Lab Control Sample	101					
LCSD 410-820024/3-A	Lab Control Sample Dup	101					
MB 410-820024/1-A	Method Blank	90					
Surrogate Legend							
OTP = o- terphenyl (Surr)							

Surrogate Summary

Client: Groundwater & Environmental Services Inc

Job ID: 410-281507-1

Project/Site: GTAC Bishop Tube HSCA Site

Method: 8015D - Diesel Range Organics (DRO) (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	OTP (37-153)					
410-281507-2	BTWWC	99					
LCS 410-815736/2-A	Lab Control Sample	104					
LCSD 410-815736/3-A	Lab Control Sample Dup	102					
MB 410-815736/1-A	Method Blank	91					
Surrogate Legend							
OTP = o- terphenyl (Surr)							

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	DCB1 (21-130)	DCB2 (21-130)	TCX1 (39-139)	TCX2 (39-139)		
LCS 410-818128/3-A	Lab Control Sample	59	55	82	78		
MB 410-818128/1-A	Method Blank	91	77	83	73		
MB 410-818128/2-A	Method Blank	81	71	65	65		
Surrogate Legend							
DCB = DCB Decachlorobiphenyl (Surr)							
TCX = Tetrachloro-m-xylene (Surr)							

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: TCLP

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	DCB1 (21-130)	DCB2 (21-130)	TCX1 (39-139)	TCX2 (39-139)		
410-281507-1	BTSWC	89	82	90	83		
410-281507-1 MS	BTSWC	84	70	77	67		
410-281507-1 MSD	BTSWC	96	84	87	78		
Surrogate Legend							
DCB = DCB Decachlorobiphenyl (Surr)							
TCX = Tetrachloro-m-xylene (Surr)							

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	DCB1 (20-149)	DCB2 (20-149)	TCX1 (20-129)	TCX2 (20-129)		
410-281507-2	BTWWC	82	82	63	63		
LCS 410-815559/2-A	Lab Control Sample	73	77	51	51		
LCS 410-815559/5-A	Lab Control Sample	70	71	42	43		
LCSD 410-815559/6-A	Lab Control Sample Dup	87	84	50	48		
MB 410-815559/1-A	Method Blank	73	76	60	58		
Surrogate Legend							
DCB = DCB Decachlorobiphenyl (Surr)							
TCX = Tetrachloro-m-xylene (Surr)							

Surrogate Summary

Client: Groundwater & Environmental Services Inc

Job ID: 410-281507-1

Project/Site: GTAC Bishop Tube HSCA Site

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCB1 (21-130)	DCB2 (21-130)	TCX1 (39-139)	TCX2 (39-139)
LCS 410-818976/3-A	Lab Control Sample	98	92	108	99
MB 410-818976/1-A	Method Blank	95	87	103	90
MB 410-818976/2-A	Method Blank	42	40	97	87
Surrogate Legend					
DCB = DCB Decachlorobiphenyl (Surr)					
TCX = Tetrachloro-m-xylene (Surr)					

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water

Prep Type: TCLP

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCB1 (21-130)	DCB2 (21-130)	TCX1 (39-139)	TCX2 (39-139)
410-281507-2	BTWWC	92	89	96 ^c cn	88
Surrogate Legend					
DCB = DCB Decachlorobiphenyl (Surr)					
TCX = Tetrachloro-m-xylene (Surr)					

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCB1 (66-130)	DCB2 (66-130)	TCX1 (68-130)	TCX2 (68-130)
410-281507-1	BTSWC	100	129	130	109
LCS 410-817151/2-A	Lab Control Sample	72	77	78	86
MB 410-817151/1-A	Method Blank	89	92	84	99
Surrogate Legend					
DCB = DCB Decachlorobiphenyl (Surr)					
TCX = Tetrachloro-m-xylene					

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCB1 (10-148)	DCB2 (10-148)	TCX1 (33-137)	TCX2 (33-137)
410-281507-2	BTWWC	40	37	96	87
LCS 410-815512/2-A	Lab Control Sample	66	67	97	88
LCSD 410-815512/3-A	Lab Control Sample Dup	70	72	97	88
MB 410-815512/1-A	Method Blank	61	56	96	85
Surrogate Legend					
DCB = DCB Decachlorobiphenyl (Surr)					
TCX = Tetrachloro-m-xylene					

Surrogate Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 8321B - Herbicides (LC/MS)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	DCPAA (70-130)					
LCS 410-818337/2-A	Lab Control Sample	95					
MB 410-818337/1-A	Method Blank	94					
Surrogate Legend							
DCPAA = 2,4-Dichlorophenylacetic acid (Surr)							

Method: 8321B - Herbicides (LC/MS)

Matrix: Solid

Prep Type: TCLP

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	DCPAA (70-130)					
410-281507-1	BTSWC	97					
410-281507-1 MS	BTSWC	100					
410-281507-1 MSD	BTSWC	101					
LB 410-815873/1-G	Method Blank	98					
Surrogate Legend							
DCPAA = 2,4-Dichlorophenylacetic acid (Surr)							

Method: 8321B - Herbicides (LC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	DCPAA (70-130)					
410-281507-2	BTWWC	101					
LCS 410-815241/2-A	Lab Control Sample	103					
LCS 410-818365/2-A	Lab Control Sample	94					
LCSD 410-818365/3-A	Lab Control Sample Dup	93					
MB 410-815241/1-A	Method Blank	99					
MB 410-818365/1-A	Method Blank	94					
Surrogate Legend							
DCPAA = 2,4-Dichlorophenylacetic acid (Surr)							

Method: 8321B - Herbicides (LC/MS)

Matrix: Water

Prep Type: TCLP

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	DCPAA (70-130)					
410-281507-2	BTWWC	96					
LB 410-818071/1-E	Method Blank	95					
Surrogate Legend							
DCPAA = 2,4-Dichlorophenylacetic acid (Surr)							

Isotope Dilution Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Matrix: Solid

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (8-130)	PFPeA (35-130)	13C5PHA (40-130)	C4PFHA (40-130)	C8PFOA (40-130)	C9PFNA (40-130)	C6PFDA (40-130)	13C7PUA (40-130)
410-281507-1	BTSWC	91.5 cn	87.6 cn	88.1 cn	84.0 cn	85.1 cn	83.6 cn	81.4 cn	79.7 cn
LCS 410-816895/2-A	Lab Control Sample	99.0	95.3	94.2	87.3	90.6	88.9	88.1	89.6
LLCS 410-816895/3-A	Lab Control Sample	103	95.8	97.1	93.0	96.4	95.7	88.8	85.8
MB 410-816895/1-A	Method Blank	104	100	101	96.5	98.2	95.5	90.7	86.2

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFTDA (20-130)	C3PFBS (40-135)	C3PFHS (40-130)	C8PFOS (40-130)	PFOSA (40-130)	d3NMFOS (40-135)	d5NEFOS (40-150)	M242FTS (40-165)
410-281507-1	BTSWC	62.5 cn	82.1 cn	79.5 cn	84.1 cn	76.5 cn	80.4 cn	72.3 cn	90.3 cn
LCS 410-816895/2-A	Lab Control Sample	74.2	97.6	94.5	94.4	83.1	78.2	73.9	93.2
LLCS 410-816895/3-A	Lab Control Sample	73.7	98.7	95.3	93.1	79.4	72.4	66.8	91.0
MB 410-816895/1-A	Method Blank	73.5	96.3	95.7	96.4	81.0	73.9	70.1	96.5

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M262FTS (40-215)	M282FTS (40-275)	HFPODA (40-130)	NMFM (20-130)	NEFM (15-130)	d5NPFSA (10-130)	d3NMFSA (10-130)	PFDaA (40-130)
410-281507-1	BTSWC	80.9 cn	88.7 cn	79.2 cn	51.8 cn	45.2 cn	59.9 cn	66.0 cn	77.1 cn
LCS 410-816895/2-A	Lab Control Sample	99.5	99.4	89.3	56.3	56.5	63.7	69.4	86.6
LLCS 410-816895/3-A	Lab Control Sample	102	100	90.7	54.5	50.7	57.8	63.2	79.3
MB 410-816895/1-A	Method Blank	94.3	101	91.5	50.4	48.9	59.3	63.7	83.7

		Percent Isotope Dilution Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	3C3-PFDaA (20-150)	3-3:3 FTC/ (20-150)	3-5:3 FTC/ (20-150)
410-281507-1	BTSWC	64.3 cn	106 cn	74.4 cn
LCS 410-816895/2-A	Lab Control Sample	80.0	106	86.8
LLCS 410-816895/3-A	Lab Control Sample	75.3	103	86.1
MB 410-816895/1-A	Method Blank	72.0	108	91.5

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M242FTS = 13C2 4:2 FTS
M262FTS = 13C2 6:2 FTS
M282FTS = 13C2 8:2 FTS
HFPODA = 13C3 HFPO-DA
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
d5NPFSA = d5-NEtPFOSA

Isotope Dilution Summary

Client: Groundwater & Environmental Services Inc

Job ID: 410-281507-1

Project/Site: GTAC Bishop Tube HSCA Site

d3NMFSA = d3-NMePFOSA

PFDaA = 13C2 PFDaA

13C3-PFDaS = 13C3-PFDaS

C3-3:3 FTCA = 13C3-3:3 FTCA

C3-5:3 FTCA = 13C3-5:3 FTCA

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Matrix: Water

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFBA (5-130)	PFPeA (40-130)	13C5PHA (40-130)	C4PFHA (40-130)	C8PFOA (40-130)	C9PFNA (40-130)	C6PFDA (40-130)	13C7PUA (30-130)
410-281507-2	BTWWC	94.8	93.7	95.1	93.4	90.6	88.2	85.4	82.0
LCS 410-820209/8-A	Lab Control Sample	107	105	101	90.9	88.6	92.5	79.1	85.0
LCSD 410-820209/9-A	Lab Control Sample Dup	102	96.0	101	94.6	93.1	96.0	89.4	93.6
LLCS 410-820209/10-A	Lab Control Sample	81.5	73.2	75.2	77.1	76.2	76.8	74.0	76.0
MB 410-820209/7-A	Method Blank	102	111	110	111	102	99.7	92.3	93.9

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFTDA (10-130)	C3PFBS (40-135)	C3PFHS (40-130)	C8PFOS (40-130)	PFOSA (40-130)	d3NMFOS (40-170)	d5NEFOS (25-135)	M242FTS (40-200)
410-281507-2	BTWWC	69.0	83.8	82.2	86.7	78.5	79.9	75.4	107
LCS 410-820209/8-A	Lab Control Sample	69.2	84.3	78.4	80.6	104	102	84.2	117
LCSD 410-820209/9-A	Lab Control Sample Dup	93.7	86.8	82.9	92.3	103	109	96.6	102
LLCS 410-820209/10-A	Lab Control Sample	71.5	76.1	77.0	74.9	65.6	70.7	78.7	85.9
MB 410-820209/7-A	Method Blank	96.5	92.3	90.8	99.4	108	114	105	123

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	M262FTS (40-200)	M282FTS (40-300)	HFPODA (40-130)	NMFM (10-130)	NEFM (10-130)	d5NPFSA (10-130)	d3NMFSA (10-130)	PFDaA (10-130)
410-281507-2	BTWWC	92.3	181	91.5	73.7	73.8	68.5	66.8	75.4
LCS 410-820209/8-A	Lab Control Sample	112	94.2	95.7	51.7	46.2	62.0	65.5	71.2
LCSD 410-820209/9-A	Lab Control Sample Dup	106	99.3	86.5	74.5	68.9	69.2	67.9	84.0
LLCS 410-820209/10-A	Lab Control Sample	83.6	82.3	68.9	46.5	44.4	47.9	46.5	73.1
MB 410-820209/7-A	Method Blank	124	115	93.9	64.6	56.7	71.8	76.3	87.1

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	3C3-PFDaS (20-150)	3:3-3:3 FTCA (20-150)	3:5-3:3 FTCA (20-150)
410-281507-2	BTWWC	75.6	93.9	85.1
LCS 410-820209/8-A	Lab Control Sample	67.2	141	97.8
LCSD 410-820209/9-A	Lab Control Sample Dup	81.8	141	87.0
LLCS 410-820209/10-A	Lab Control Sample	63.2	88.9	54.3
MB 410-820209/7-A	Method Blank	81.8	165 *5+	102

Surrogate Legend

PFBA = 13C4 PFBA

PFPeA = 13C5 PFPeA

13C5PHA = 13C5 PFHxA

C4PFHA = 13C4 PFHpA

C8PFOA = 13C8 PFOA

C9PFNA = 13C9 PFNA

C6PFDA = 13C6 PFDA

13C7PUA = 13C7 PFUnA

PFTDA = 13C2 PFTeDA

C3PFBS = 13C3 PFBS

C3PFHS = 13C3 PFHxS

C8PFOS = 13C8 PFOS

PFOSA = 13C8 FOSA

Eurofins Lancaster Laboratories Environment Testing, LLC

Isotope Dilution Summary

Client: Groundwater & Environmental Services Inc

Job ID: 410-281507-1

Project/Site: GTAC Bishop Tube HSCA Site

d3NMFOS = d3-NMeFOSAA

d5NEFOS = d5-NEtFOSAA

M242FTS = 13C2 4:2 FTS

M262FTS = 13C2 6:2 FTS

M282FTS = 13C2 8:2 FTS

HFPODA = 13C3 HFPO-DA

NMFM = d7-N-MeFOSE-M

NEFM = d9-N-EtFOSE-M

d5NPFSA = d5-NEtPFOSA

d3NMFSA = d3-NMePFOSA

PFDaA = 13C2 PFDaA

13C3-PFDoS = 13C3-PFDoS

C3-3:3 FTCA = 13C3-3:3 FTCA

C3-5:3 FTCA = 13C3-5:3 FTCA

1
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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 410-817310/7

Matrix: Solid

Analysis Batch: 817310

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		250	30	ug/Kg			05/14/26 10:37	50
trans-1,3-Dichloropropene	ND		250	30	ug/Kg			05/14/26 10:37	50
Ethylbenzene	ND		250	20	ug/Kg			05/14/26 10:37	50
Styrene	ND		250	30	ug/Kg			05/14/26 10:37	50
1,4-Dichlorobenzene	ND		250	25	ug/Kg			05/14/26 10:37	50
1,2-Dibromoethane	ND		250	30	ug/Kg			05/14/26 10:37	50
1,2-Dichloroethane	ND		250	30	ug/Kg			05/14/26 10:37	50
4-Methyl-2-pentanone	ND		500	75	ug/Kg			05/14/26 10:37	50
Methylcyclohexane	ND		250	30	ug/Kg			05/14/26 10:37	50
Toluene	ND		250	30	ug/Kg			05/14/26 10:37	50
Chlorobenzene	ND		250	25	ug/Kg			05/14/26 10:37	50
Cyclohexane	ND		250	25	ug/Kg			05/14/26 10:37	50
1,2,4-Trichlorobenzene	ND		500	250	ug/Kg			05/14/26 10:37	50
Dibromochloromethane	ND		250	100	ug/Kg			05/14/26 10:37	50
Xylenes, Total	ND		250	70	ug/Kg			05/14/26 10:37	50
Tetrachloroethene	ND		250	30	ug/Kg			05/14/26 10:37	50
cis-1,2-Dichloroethene	ND		250	30	ug/Kg			05/14/26 10:37	50
trans-1,2-Dichloroethene	ND		250	30	ug/Kg			05/14/26 10:37	50
Methyl tertiary butyl ether	ND		250	30	ug/Kg			05/14/26 10:37	50
1,3-Dichlorobenzene	ND		250	25	ug/Kg			05/14/26 10:37	50
Carbon tetrachloride	ND		250	100	ug/Kg			05/14/26 10:37	50
2-Hexanone	ND		500	75	ug/Kg			05/14/26 10:37	50
Acetone	ND		1000	300	ug/Kg			05/14/26 10:37	50
Chloroform	39.0	J B	250	30	ug/Kg			05/14/26 10:37	50
Benzene	ND		250	25	ug/Kg			05/14/26 10:37	50
1,1,1-Trichloroethane	ND		250	35	ug/Kg			05/14/26 10:37	50
Bromomethane	ND		250	80	ug/Kg			05/14/26 10:37	50
Chloromethane	ND		250	45	ug/Kg			05/14/26 10:37	50
Chloroethane	ND		250	75	ug/Kg			05/14/26 10:37	50
Vinyl chloride	ND		250	40	ug/Kg			05/14/26 10:37	50
Methylene Chloride	ND		250	100	ug/Kg			05/14/26 10:37	50
Carbon disulfide	ND		250	30	ug/Kg			05/14/26 10:37	50
Bromoform	ND		500	250	ug/Kg			05/14/26 10:37	50
Bromodichloromethane	ND		250	35	ug/Kg			05/14/26 10:37	50
1,1-Dichloroethane	ND		250	25	ug/Kg			05/14/26 10:37	50
1,1-Dichloroethene	ND		250	30	ug/Kg			05/14/26 10:37	50
Trichlorofluoromethane	ND		250	40	ug/Kg			05/14/26 10:37	50
Dichlorodifluoromethane	ND		250	30	ug/Kg			05/14/26 10:37	50
Freon 113	ND		500	35	ug/Kg			05/14/26 10:37	50
1,2-Dichloropropane	ND		250	25	ug/Kg			05/14/26 10:37	50
2-Butanone	ND		500	100	ug/Kg			05/14/26 10:37	50
1,1,2-Trichloroethane	ND		250	25	ug/Kg			05/14/26 10:37	50
Trichloroethene	ND		250	30	ug/Kg			05/14/26 10:37	50
Methyl acetate	ND		250	50	ug/Kg			05/14/26 10:37	50
1,1,2,2-Tetrachloroethane	ND		250	30	ug/Kg			05/14/26 10:37	50
1,2-Dichlorobenzene	ND		250	30	ug/Kg			05/14/26 10:37	50
1,2-Dibromo-3-Chloropropane	ND		250	50	ug/Kg			05/14/26 10:37	50
Isopropylbenzene	ND		250	30	ug/Kg			05/14/26 10:37	50

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-817310/7

Matrix: Solid

Analysis Batch: 817310

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		71 - 122		05/14/26 10:37	50
Dibromofluoromethane (Surr)	105		74 - 120		05/14/26 10:37	50
4-Bromofluorobenzene (Surr)	110		70 - 120		05/14/26 10:37	50
Toluene-d8 (Surr)	107		76 - 120		05/14/26 10:37	50

Lab Sample ID: LCS 410-817310/4

Matrix: Solid

Analysis Batch: 817310

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	1000	993		ug/Kg		99	71 - 120
trans-1,3-Dichloropropene	1000	1020		ug/Kg		102	73 - 120
Ethylbenzene	1000	1040		ug/Kg		104	78 - 120
Styrene	1000	995		ug/Kg		100	76 - 120
1,4-Dichlorobenzene	1000	1030		ug/Kg		103	76 - 122
1,2-Dibromoethane	1000	1010		ug/Kg		101	76 - 120
1,2-Dichloroethane	1000	988		ug/Kg		99	72 - 124
4-Methyl-2-pentanone	12500	14000		ug/Kg		112	58 - 138
Methylcyclohexane	1000	750		ug/Kg		75	61 - 124
Toluene	1000	1020		ug/Kg		102	78 - 120
Chlorobenzene	1000	1030		ug/Kg		103	80 - 120
Cyclohexane	1000	842		ug/Kg		84	58 - 120
1,2,4-Trichlorobenzene	1000	1010		ug/Kg		101	63 - 123
Dibromochloromethane	1000	991		ug/Kg		99	69 - 125
Xylenes, Total	3000	3120		ug/Kg		104	75 - 120
Tetrachloroethene	1000	977		ug/Kg		98	73 - 120
cis-1,2-Dichloroethene	1000	1030		ug/Kg		103	80 - 120
trans-1,2-Dichloroethene	1000	987		ug/Kg		99	79 - 126
Methyl tertiary butyl ether	1000	1010		ug/Kg		101	69 - 120
1,3-Dichlorobenzene	1000	1020		ug/Kg		102	75 - 120
Carbon tetrachloride	1000	986		ug/Kg		99	64 - 127
2-Hexanone	12500	13700		ug/Kg		110	54 - 135
Acetone	12500	11400		ug/Kg		91	53 - 142
Chloroform	1000	1040		ug/Kg		104	73 - 120
Benzene	1000	1050		ug/Kg		105	80 - 120
1,1,1-Trichloroethane	1000	992		ug/Kg		99	69 - 123
Bromomethane	1000	703		ug/Kg		70	33 - 158
Chloromethane	1000	872		ug/Kg		87	43 - 125
Chloroethane	1000	776		ug/Kg		78	29 - 169
Vinyl chloride	1000	893		ug/Kg		89	52 - 126
Methylene Chloride	1000	1090		ug/Kg		109	76 - 122
Carbon disulfide	1000	1020		ug/Kg		102	64 - 133
Bromoform	1000	1050		ug/Kg		105	61 - 127
Bromodichloromethane	1000	1000		ug/Kg		100	70 - 120
1,1-Dichloroethane	1000	1080		ug/Kg		108	77 - 120
1,1-Dichloroethene	1000	1040		ug/Kg		104	73 - 129
Trichlorofluoromethane	1000	622		ug/Kg		62	59 - 120
Dichlorodifluoromethane	1000	367		ug/Kg		37	37 - 126

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-817310/4

Matrix: Solid

Analysis Batch: 817310

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Freon 113	1000	768		ug/Kg		77	53 - 126
1,2-Dichloropropane	1000	1050		ug/Kg		105	75 - 124
2-Butanone	12500	13200		ug/Kg		106	48 - 142
1,1,2-Trichloroethane	1000	1030		ug/Kg		103	79 - 120
Trichloroethene	1000	985		ug/Kg		98	79 - 120
Methyl acetate	1000	1100		ug/Kg		110	52 - 148
1,1,2,2-Tetrachloroethane	1000	1100		ug/Kg		110	69 - 125
1,2-Dichlorobenzene	1000	1040		ug/Kg		104	74 - 120
1,2-Dibromo-3-Chloropropane	1000	934		ug/Kg		93	47 - 120
Isopropylbenzene	1000	1050		ug/Kg		105	80 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	83		71 - 122
Dibromofluoromethane (Surr)	83		74 - 120
4-Bromofluorobenzene (Surr)	88		70 - 120
Toluene-d8 (Surr)	84		76 - 120

Lab Sample ID: LCSD 410-817310/5

Matrix: Solid

Analysis Batch: 817310

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	1000	980		ug/Kg		98	71 - 120	1	30
trans-1,3-Dichloropropene	1000	1010		ug/Kg		101	73 - 120	1	30
Ethylbenzene	1000	1040		ug/Kg		104	78 - 120	0	30
Styrene	1000	983		ug/Kg		98	76 - 120	1	30
1,4-Dichlorobenzene	1000	1010		ug/Kg		101	76 - 122	2	30
1,2-Dibromoethane	1000	997		ug/Kg		100	76 - 120	1	30
1,2-Dichloroethane	1000	975		ug/Kg		97	72 - 124	1	30
4-Methyl-2-pentanone	12500	13800		ug/Kg		110	58 - 138	2	30
Methylcyclohexane	1000	736		ug/Kg		74	61 - 124	2	30
Toluene	1000	1010		ug/Kg		101	78 - 120	0	30
Chlorobenzene	1000	1010		ug/Kg		101	80 - 120	2	30
Cyclohexane	1000	836		ug/Kg		84	58 - 120	1	30
1,2,4-Trichlorobenzene	1000	980		ug/Kg		98	63 - 123	3	30
Dibromochloromethane	1000	987		ug/Kg		99	69 - 125	0	30
Xylenes, Total	3000	3060		ug/Kg		102	75 - 120	2	30
Tetrachloroethene	1000	974		ug/Kg		97	73 - 120	0	30
cis-1,2-Dichloroethene	1000	1040		ug/Kg		104	80 - 120	1	30
trans-1,2-Dichloroethene	1000	998		ug/Kg		100	79 - 126	1	30
Methyl tertiary butyl ether	1000	983		ug/Kg		98	69 - 120	2	30
1,3-Dichlorobenzene	1000	1020		ug/Kg		102	75 - 120	0	30
Carbon tetrachloride	1000	966		ug/Kg		97	64 - 127	2	30
2-Hexanone	12500	13500		ug/Kg		108	54 - 135	2	30
Acetone	12500	11400		ug/Kg		92	53 - 142	0	30
Chloroform	1000	1040		ug/Kg		104	73 - 120	1	30
Benzene	1000	1040		ug/Kg		104	80 - 120	1	30
1,1,1-Trichloroethane	1000	981		ug/Kg		98	69 - 123	1	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 410-817310/5

Matrix: Solid

Analysis Batch: 817310

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromomethane	1000	724		ug/Kg		72	33 - 158	3	30
Chloromethane	1000	826		ug/Kg		83	43 - 125	5	30
Chloroethane	1000	789		ug/Kg		79	29 - 169	2	30
Vinyl chloride	1000	851		ug/Kg		85	52 - 126	5	30
Methylene Chloride	1000	1050		ug/Kg		105	76 - 122	4	30
Carbon disulfide	1000	995		ug/Kg		99	64 - 133	3	30
Bromoform	1000	1060		ug/Kg		106	61 - 127	0	30
Bromodichloromethane	1000	987		ug/Kg		99	70 - 120	1	30
1,1-Dichloroethane	1000	1070		ug/Kg		107	77 - 120	1	30
1,1-Dichloroethene	1000	1020		ug/Kg		102	73 - 129	2	30
Trichlorofluoromethane	1000	612		ug/Kg		61	59 - 120	2	30
Dichlorodifluoromethane	1000	358	*	ug/Kg		36	37 - 126	2	30
Freon 113	1000	749		ug/Kg		75	53 - 126	2	30
1,2-Dichloropropane	1000	1040		ug/Kg		104	75 - 124	1	30
2-Butanone	12500	13100		ug/Kg		105	48 - 142	1	30
1,1,1,2-Trichloroethane	1000	1010		ug/Kg		101	79 - 120	2	30
Trichloroethene	1000	985		ug/Kg		98	79 - 120	0	30
Methyl acetate	1000	1080		ug/Kg		108	52 - 148	1	30
1,1,1,2-Tetrachloroethane	1000	1110		ug/Kg		111	69 - 125	0	30
1,2-Dichlorobenzene	1000	1010		ug/Kg		101	74 - 120	2	30
1,2-Dibromo-3-Chloropropane	1000	935		ug/Kg		94	47 - 120	0	30
Isopropylbenzene	1000	1020		ug/Kg		102	80 - 130	2	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	83		71 - 122
Dibromofluoromethane (Surr)	82		74 - 120
4-Bromofluorobenzene (Surr)	88		70 - 120
Toluene-d8 (Surr)	83		76 - 120

Lab Sample ID: MB 410-819112/10

Matrix: Water

Analysis Batch: 819112

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.50	ug/L			05/18/26 11:19	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/18/26 11:19	1
Ethylbenzene	ND		1.0	0.40	ug/L			05/18/26 11:19	1
Styrene	ND		5.0	0.30	ug/L			05/18/26 11:19	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			05/18/26 11:19	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			05/18/26 11:19	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			05/18/26 11:19	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			05/18/26 11:19	1
Methylcyclohexane	ND		5.0	0.50	ug/L			05/18/26 11:19	1
Toluene	ND		1.0	0.30	ug/L			05/18/26 11:19	1
Chlorobenzene	ND		1.0	0.30	ug/L			05/18/26 11:19	1
Cyclohexane	ND		5.0	1.0	ug/L			05/18/26 11:19	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			05/18/26 11:19	1
Dibromochloromethane	ND		1.0	0.20	ug/L			05/18/26 11:19	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-819112/10

Matrix: Water

Analysis Batch: 819112

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		1.0	0.40	ug/L			05/18/26 11:19	1
Tetrachloroethene	ND		1.0	0.30	ug/L			05/18/26 11:19	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/18/26 11:19	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			05/18/26 11:19	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			05/18/26 11:19	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			05/18/26 11:19	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			05/18/26 11:19	1
2-Hexanone	ND		10	0.85	ug/L			05/18/26 11:19	1
Acetone	ND		20	0.70	ug/L			05/18/26 11:19	1
Chloroform	ND		1.0	0.30	ug/L			05/18/26 11:19	1
Benzene	ND		1.0	0.30	ug/L			05/18/26 11:19	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			05/18/26 11:19	1
Bromomethane	ND		1.0	0.30	ug/L			05/18/26 11:19	1
Chloromethane	ND		2.0	0.55	ug/L			05/18/26 11:19	1
Chloroethane	ND		1.0	0.30	ug/L			05/18/26 11:19	1
Vinyl chloride	ND		1.0	0.30	ug/L			05/18/26 11:19	1
Methylene Chloride	ND		1.0	0.30	ug/L			05/18/26 11:19	1
Carbon disulfide	ND		5.0	0.30	ug/L			05/18/26 11:19	1
Bromoform	ND		4.0	1.0	ug/L			05/18/26 11:19	1
Bromodichloromethane	ND		1.0	0.20	ug/L			05/18/26 11:19	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			05/18/26 11:19	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			05/18/26 11:19	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			05/18/26 11:19	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			05/18/26 11:19	1
Freon 113	ND		10	0.30	ug/L			05/18/26 11:19	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			05/18/26 11:19	1
2-Butanone	ND		10	1.0	ug/L			05/18/26 11:19	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			05/18/26 11:19	1
Trichloroethene	ND		1.0	0.30	ug/L			05/18/26 11:19	1
Methyl acetate	ND		5.0	0.60	ug/L			05/18/26 11:19	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/18/26 11:19	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			05/18/26 11:19	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			05/18/26 11:19	1
Isopropylbenzene	ND		5.0	0.30	ug/L			05/18/26 11:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		05/18/26 11:19	1
Dibromofluoromethane (Surr)	104		80 - 120		05/18/26 11:19	1
4-Bromofluorobenzene (Surr)	101		80 - 120		05/18/26 11:19	1
Toluene-d8 (Surr)	98		80 - 120		05/18/26 11:19	1

Lab Sample ID: LCS 410-819112/63

Matrix: Water

Analysis Batch: 819112

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	20.0	18.6		ug/L		93	75 - 120
trans-1,3-Dichloropropene	20.0	19.1		ug/L		96	67 - 120

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-819112/63

Matrix: Water

Analysis Batch: 819112

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	20.0	20.5		ug/L		103	80 - 120
Styrene	20.0	20.7		ug/L		104	80 - 120
1,4-Dichlorobenzene	20.0	21.5		ug/L		107	80 - 120
1,2-Dibromoethane	20.0	21.4		ug/L		107	77 - 120
1,2-Dichloroethane	20.0	20.5		ug/L		102	73 - 124
4-Methyl-2-pentanone	250	247		ug/L		99	62 - 133
Methylcyclohexane	20.0	18.7		ug/L		94	60 - 121
Toluene	20.0	20.3		ug/L		101	80 - 120
Chlorobenzene	20.0	20.7		ug/L		104	80 - 120
Cyclohexane	20.0	19.2		ug/L		96	60 - 126
1,2,4-Trichlorobenzene	20.0	20.5		ug/L		102	63 - 127
Dibromochloromethane	20.0	19.6		ug/L		98	71 - 120
Xylenes, Total	60.0	61.5		ug/L		103	80 - 120
Tetrachloroethene	20.0	22.3		ug/L		111	80 - 120
cis-1,2-Dichloroethene	20.0	21.4		ug/L		107	80 - 125
trans-1,2-Dichloroethene	20.0	20.8		ug/L		104	80 - 126
Methyl tertiary butyl ether	20.0	19.1		ug/L		96	69 - 122
1,3-Dichlorobenzene	20.0	21.1		ug/L		105	80 - 120
Carbon tetrachloride	20.0	20.6		ug/L		103	64 - 134
2-Hexanone	250	244		ug/L		98	56 - 143
Acetone	250	306		ug/L		122	57 - 150
Chloroform	20.0	17.9		ug/L		90	72 - 120
Benzene	20.0	20.5		ug/L		102	80 - 120
1,1,1-Trichloroethane	20.0	21.3		ug/L		107	73 - 120
Bromomethane	20.0	17.6		ug/L		88	61 - 128
Chloromethane	20.0	15.3		ug/L		76	48 - 134
Chloroethane	20.0	17.3		ug/L		87	67 - 123
Vinyl chloride	20.0	15.8		ug/L		79	56 - 120
Methylene Chloride	20.0	21.0		ug/L		105	80 - 120
Carbon disulfide	20.0	18.7		ug/L		93	55 - 139
Bromoform	20.0	19.1		ug/L		95	63 - 128
Bromodichloromethane	20.0	20.0		ug/L		100	71 - 120
1,1-Dichloroethane	20.0	21.0		ug/L		105	80 - 126
1,1-Dichloroethene	20.0	21.9		ug/L		110	80 - 131
Trichlorofluoromethane	20.0	14.1		ug/L		70	57 - 120
Dichlorodifluoromethane	20.0	14.6		ug/L		73	40 - 127
Freon 113	20.0	20.7		ug/L		103	57 - 122
1,2-Dichloropropane	20.0	19.8		ug/L		99	80 - 120
2-Butanone	250	233		ug/L		93	59 - 135
1,1,2-Trichloroethane	20.0	20.9		ug/L		104	80 - 120
Trichloroethene	20.0	20.7		ug/L		103	80 - 120
Methyl acetate	20.0	21.0		ug/L		105	55 - 157
1,1,2,2-Tetrachloroethane	20.0	20.2		ug/L		101	72 - 127
1,2-Dichlorobenzene	20.0	21.4		ug/L		107	80 - 120
1,2-Dibromo-3-Chloropropane	20.0	17.5		ug/L		88	60 - 120
Isopropylbenzene	20.0	20.6		ug/L		103	80 - 132

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-819112/63

Matrix: Water

Analysis Batch: 819112

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	101		80 - 120
4-Bromofluorobenzene (Surr)	98		80 - 120
Toluene-d8 (Surr)	98		80 - 120

Lab Sample ID: 410-281507-2 MS

Matrix: Water

Analysis Batch: 819112

Client Sample ID: BTWWC

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	ND		20.0	16.6		ug/L		83	75 - 120
trans-1,3-Dichloropropene	ND		20.0	16.3		ug/L		81	67 - 120
Ethylbenzene	ND		20.0	19.2		ug/L		96	80 - 120
Styrene	ND		20.0	18.7		ug/L		94	80 - 120
1,4-Dichlorobenzene	ND		20.0	19.2		ug/L		96	80 - 120
1,2-Dibromoethane	ND		20.0	18.9		ug/L		94	77 - 120
1,2-Dichloroethane	ND		20.0	18.3		ug/L		92	73 - 124
4-Methyl-2-pentanone	ND		250	212		ug/L		85	62 - 133
Methylcyclohexane	ND		20.0	19.4		ug/L		97	60 - 121
Toluene	ND		20.0	19.5		ug/L		98	80 - 120
Chlorobenzene	ND		20.0	19.3		ug/L		96	80 - 120
Cyclohexane	ND		20.0	19.6		ug/L		98	60 - 126
1,2,4-Trichlorobenzene	ND	^c	20.0	18.4		ug/L		92	63 - 127
Dibromochloromethane	0.21	J	20.0	17.8		ug/L		88	71 - 120
Xylenes, Total	ND		60.0	58.3		ug/L		97	80 - 120
Tetrachloroethene	ND		20.0	21.3		ug/L		106	80 - 120
cis-1,2-Dichloroethene	ND		20.0	20.1		ug/L		100	80 - 125
trans-1,2-Dichloroethene	ND		20.0	20.2		ug/L		101	80 - 126
Methyl tertiary butyl ether	ND		20.0	16.6		ug/L		83	69 - 122
1,3-Dichlorobenzene	ND		20.0	18.9		ug/L		95	80 - 120
Carbon tetrachloride	ND		20.0	20.2		ug/L		101	64 - 134
2-Hexanone	ND		250	211		ug/L		84	56 - 143
Acetone	4.5	J ^c	250	280		ug/L		110	57 - 150
Chloroform	10		20.0	29.6		ug/L		96	72 - 120
Benzene	ND		20.0	19.3		ug/L		96	80 - 120
1,1,1-Trichloroethane	ND		20.0	20.6		ug/L		103	73 - 120
Bromomethane	ND		20.0	18.3		ug/L		91	61 - 128
Chloromethane	ND		20.0	15.9		ug/L		79	48 - 134
Chloroethane	ND		20.0	18.9		ug/L		94	67 - 123
Vinyl chloride	ND		20.0	17.6		ug/L		88	56 - 120
Methylene Chloride	ND		20.0	19.4		ug/L		97	80 - 120
Carbon disulfide	ND		20.0	18.6		ug/L		93	55 - 139
Bromoform	ND		20.0	17.0		ug/L		85	63 - 128
Bromodichloromethane	2.2		20.0	20.2		ug/L		90	71 - 120
1,1-Dichloroethane	ND		20.0	19.7		ug/L		98	80 - 126
1,1-Dichloroethene	ND		20.0	21.9		ug/L		109	80 - 131
Trichlorofluoromethane	ND		20.0	16.0		ug/L		80	57 - 120
Dichlorodifluoromethane	ND		20.0	16.8		ug/L		84	40 - 127

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 410-281507-2 MS

Matrix: Water

Analysis Batch: 819112

Client Sample ID: BTWWC

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Freon 113	ND	^c	20.0	21.3		ug/L		106	57 - 122
1,2-Dichloropropane	ND		20.0	18.5		ug/L		92	80 - 120
2-Butanone	ND		250	197		ug/L		79	59 - 135
1,1,2-Trichloroethane	ND		20.0	18.6		ug/L		93	80 - 120
Trichloroethene	15		20.0	35.5		ug/L		104	80 - 120
Methyl acetate	ND		20.0	19.6		ug/L		98	55 - 157
1,1,2,2-Tetrachloroethane	ND		20.0	17.1		ug/L		85	72 - 127
1,2-Dichlorobenzene	ND		20.0	18.7		ug/L		94	80 - 120
1,2-Dibromo-3-Chloropropane	ND		20.0	15.3		ug/L		76	60 - 120
Isopropylbenzene	ND		20.0	19.1		ug/L		96	80 - 132
Surrogate	MS %Recovery	MS Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	103		80 - 120						
Dibromofluoromethane (Surr)	103		80 - 120						
4-Bromofluorobenzene (Surr)	97		80 - 120						
Toluene-d8 (Surr)	98		80 - 120						

Lab Sample ID: 410-281507-2 MSD

Matrix: Water

Analysis Batch: 819112

Client Sample ID: BTWWC

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	ND		20.0	16.8		ug/L		84	75 - 120	1	30
trans-1,3-Dichloropropene	ND		20.0	16.6		ug/L		83	67 - 120	2	30
Ethylbenzene	ND		20.0	19.1		ug/L		96	80 - 120	0	30
Styrene	ND		20.0	18.8		ug/L		94	80 - 120	1	30
1,4-Dichlorobenzene	ND		20.0	18.5		ug/L		93	80 - 120	3	30
1,2-Dibromoethane	ND		20.0	18.3		ug/L		91	77 - 120	3	30
1,2-Dichloroethane	ND		20.0	18.0		ug/L		90	73 - 124	2	30
4-Methyl-2-pentanone	ND		250	220		ug/L		88	62 - 133	3	30
Methylcyclohexane	ND		20.0	19.5		ug/L		97	60 - 121	0	30
Toluene	ND		20.0	19.1		ug/L		95	80 - 120	2	30
Chlorobenzene	ND		20.0	18.8		ug/L		94	80 - 120	2	30
Cyclohexane	ND		20.0	19.7		ug/L		99	60 - 126	1	30
1,2,4-Trichlorobenzene	ND	^c	20.0	17.8		ug/L		89	63 - 127	3	30
Dibromochloromethane	0.21	J	20.0	17.7		ug/L		88	71 - 120	1	30
Xylenes, Total	ND		60.0	58.6		ug/L		98	80 - 120	1	30
Tetrachloroethene	ND		20.0	21.6		ug/L		108	80 - 120	2	30
cis-1,2-Dichloroethene	ND		20.0	19.8		ug/L		99	80 - 125	1	30
trans-1,2-Dichloroethene	ND		20.0	20.0		ug/L		100	80 - 126	1	30
Methyl tertiary butyl ether	ND		20.0	17.0		ug/L		85	69 - 122	2	30
1,3-Dichlorobenzene	ND		20.0	18.4		ug/L		92	80 - 120	3	30
Carbon tetrachloride	ND		20.0	20.1		ug/L		100	64 - 134	0	30
2-Hexanone	ND		250	212		ug/L		85	56 - 143	1	30
Acetone	4.5	J ^c	250	241		ug/L		95	57 - 150	15	30
Chloroform	10		20.0	29.1		ug/L		94	72 - 120	2	30
Benzene	ND		20.0	19.2		ug/L		96	80 - 120	1	30
1,1,1-Trichloroethane	ND		20.0	20.7		ug/L		103	73 - 120	1	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 410-281507-2 MSD

Matrix: Water

Analysis Batch: 819112

Client Sample ID: BTWWC

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromomethane	ND		20.0	15.9		ug/L		79	61 - 128	14	30
Chloromethane	ND		20.0	13.8		ug/L		69	48 - 134	14	30
Chloroethane	ND		20.0	15.9		ug/L		79	67 - 123	17	30
Vinyl chloride	ND		20.0	15.0		ug/L		75	56 - 120	16	30
Methylene Chloride	ND		20.0	19.0		ug/L		95	80 - 120	2	30
Carbon disulfide	ND		20.0	18.9		ug/L		95	55 - 139	2	30
Bromoform	ND		20.0	17.4		ug/L		87	63 - 128	2	30
Bromodichloromethane	2.2		20.0	20.2		ug/L		90	71 - 120	0	30
1,1-Dichloroethane	ND		20.0	19.3		ug/L		97	80 - 126	2	30
1,1-Dichloroethene	ND		20.0	21.4		ug/L		107	80 - 131	2	30
Trichlorofluoromethane	ND		20.0	13.4		ug/L		67	57 - 120	18	30
Dichlorodifluoromethane	ND		20.0	13.9		ug/L		69	40 - 127	19	30
Freon 113	ND	^c	20.0	21.5		ug/L		107	57 - 122	1	30
1,2-Dichloropropane	ND		20.0	18.6		ug/L		93	80 - 120	1	30
2-Butanone	ND		250	203		ug/L		81	59 - 135	3	30
1,1,2-Trichloroethane	ND		20.0	17.9		ug/L		90	80 - 120	4	30
Trichloroethene	15		20.0	34.7		ug/L		100	80 - 120	2	30
Methyl acetate	ND		20.0	19.3		ug/L		96	55 - 157	2	30
1,1,2,2-Tetrachloroethane	ND		20.0	17.0		ug/L		85	72 - 127	0	30
1,2-Dichlorobenzene	ND		20.0	18.6		ug/L		93	80 - 120	1	30
1,2-Dibromo-3-Chloropropane	ND		20.0	15.2		ug/L		76	60 - 120	0	30
Isopropylbenzene	ND		20.0	19.4		ug/L		97	80 - 132	1	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		80 - 120
Dibromofluoromethane (Surr)	102		80 - 120
4-Bromofluorobenzene (Surr)	101		80 - 120
Toluene-d8 (Surr)	97		80 - 120

Lab Sample ID: MB 410-822101/6

Matrix: Solid

Analysis Batch: 822101

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.0010	0.00030	mg/L			05/21/26 20:48	1
Chlorobenzene	ND		0.0010	0.00030	mg/L			05/21/26 20:48	1
Tetrachloroethene	ND		0.0010	0.00030	mg/L			05/21/26 20:48	1
Carbon tetrachloride	ND		0.0010	0.00030	mg/L			05/21/26 20:48	1
Chloroform	ND		0.0010	0.00030	mg/L			05/21/26 20:48	1
Benzene	ND		0.0010	0.00030	mg/L			05/21/26 20:48	1
Vinyl chloride	ND		0.0010	0.00030	mg/L			05/21/26 20:48	1
1,1-Dichloroethene	ND		0.0010	0.00030	mg/L			05/21/26 20:48	1
2-Butanone	ND		0.010	0.00050	mg/L			05/21/26 20:48	1
Trichloroethene	ND		0.0010	0.00030	mg/L			05/21/26 20:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		80 - 120		05/21/26 20:48	1
Dibromofluoromethane (Surr)	105		80 - 120		05/21/26 20:48	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 410-822101/6

Matrix: Solid

Analysis Batch: 822101

Client Sample ID: Method Blank

Prep Type: Total/NA

	MB	MB			
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed
4-Bromofluorobenzene (Surr)	100		80 - 120		05/21/26 20:48
Toluene-d8 (Surr)	96		80 - 120		05/21/26 20:48

Lab Sample ID: LCS 410-822101/5

Matrix: Solid

Analysis Batch: 822101

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	Spike	LCS	LCS					%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
1,2-Dichloroethane	0.0200	0.0203		mg/L		101	73 - 124		
Chlorobenzene	0.0200	0.0203		mg/L		101	80 - 120		
Tetrachloroethene	0.0200	0.0213		mg/L		107	80 - 120		
Carbon tetrachloride	0.0200	0.0217		mg/L		109	64 - 134		
Chloroform	0.0200	0.0171		mg/L		86	72 - 120		
Benzene	0.0200	0.0200		mg/L		100	80 - 120		
Vinyl chloride	0.0200	0.0182		mg/L		91	56 - 120		
1,1-Dichloroethene	0.0200	0.0218		mg/L		109	80 - 131		
2-Butanone	0.250	0.241		mg/L		97	59 - 135		
Trichloroethene	0.0200	0.0198		mg/L		99	80 - 120		

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		80 - 120
Dibromofluoromethane (Surr)	102		80 - 120
4-Bromofluorobenzene (Surr)	98		80 - 120
Toluene-d8 (Surr)	96		80 - 120

Lab Sample ID: 410-281507-1 MS

Matrix: Solid

Analysis Batch: 822101

Client Sample ID: BSWC

Prep Type: TCLP

	Sample	Sample	Spike	MS	MS			%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
1,2-Dichloroethane	ND		0.400	0.459		mg/L		115	73 - 124
Chlorobenzene	ND		0.400	0.458		mg/L		115	80 - 120
Tetrachloroethene	ND	FH	0.400	0.523	FH	mg/L		131	80 - 120
Carbon tetrachloride	ND		0.400	0.516		mg/L		129	64 - 134
Chloroform	ND		0.400	0.415		mg/L		104	72 - 120
Benzene	ND		0.400	0.452		mg/L		113	80 - 120
Vinyl chloride	ND		0.400	0.407		mg/L		102	56 - 120
1,1-Dichloroethene	ND	FH	0.400	0.539	FH	mg/L		135	80 - 131
2-Butanone	ND		5.00	4.85		mg/L		97	59 - 135
Trichloroethene	ND		0.400	0.464		mg/L		116	80 - 120

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		80 - 120
Dibromofluoromethane (Surr)	103		80 - 120
4-Bromofluorobenzene (Surr)	99		80 - 120
Toluene-d8 (Surr)	98		80 - 120

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 410-281507-1 MSD

Matrix: Solid

Analysis Batch: 822101

Client Sample ID: BTSWC

Prep Type: TCLP

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dichloroethane	ND		0.400	0.444		mg/L		111	73 - 124	3	30
Chlorobenzene	ND		0.400	0.439		mg/L		110	80 - 120	4	30
Tetrachloroethene	ND	FH	0.400	0.484	FH	mg/L		121	80 - 120	8	30
Carbon tetrachloride	ND		0.400	0.490		mg/L		123	64 - 134	5	30
Chloroform	ND		0.400	0.389		mg/L		97	72 - 120	6	30
Benzene	ND		0.400	0.440		mg/L		110	80 - 120	3	30
Vinyl chloride	ND		0.400	0.415		mg/L		104	56 - 120	2	30
1,1-Dichloroethene	ND	FH	0.400	0.503		mg/L		126	80 - 131	7	30
2-Butanone	ND		5.00	4.86		mg/L		97	59 - 135	0	30
Trichloroethene	ND		0.400	0.442		mg/L		110	80 - 120	5	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	103		80 - 120
4-Bromofluorobenzene (Surr)	99		80 - 120
Toluene-d8 (Surr)	99		80 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 410-816403/1-A

Matrix: Solid

Analysis Batch: 817897

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 816403

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		37	17	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
2,2'-oxybis[1-chloropropane]	ND		43	20	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
2,4,5-Trichlorophenol	ND		37	17	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
2,4,6-Trichlorophenol	ND		37	17	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
2,4-Dichlorophenol	ND		43	20	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
2,4-Dimethylphenol	ND		37	17	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
2,4-Dinitrophenol	ND		1000	420	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
2,4-Dinitrotoluene	ND		170	33	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
2,6-Dinitrotoluene	ND		37	17	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
2-Chloronaphthalene	ND		33	13	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
2-Chlorophenol	ND		37	17	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
2-Methylnaphthalene	ND		17	5.0	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
2-Methylphenol	ND		50	20	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
2-Nitroaniline	ND		50	17	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
2-Nitrophenol	ND		50	20	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
3,3'-Dichlorobenzidine	ND		330	170	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
3-Nitroaniline	ND		170	33	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
4,6-Dinitro-2-methylphenol	ND		500	170	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
4-Bromophenyl phenyl ether	ND		37	17	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
4-Chloro-3-methylphenol	ND		50	20	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
4-Chloroaniline	ND		170	33	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
4-Chlorophenyl phenyl ether	ND		37	17	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
3,4-Methylphenol	ND		50	17	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
4-Nitroaniline	ND		170	33	ug/Kg		05/13/26 00:09	05/14/26 22:14	1

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 410-816403/1-A

Matrix: Solid

Analysis Batch: 817897

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 816403

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		500	170	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
Acenaphthene	ND		17	3.3	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
Acenaphthylene	ND		17	4.0	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
Acetophenone	ND		50	17	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
Anthracene	ND		17	3.3	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
Atrazine	ND		170	67	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
Benzaldehyde	ND		170	33	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
Benzo[a]anthracene	ND		17	3.3	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
Benzo[a]pyrene	ND		17	3.3	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
Benzo[b]fluoranthene	ND		17	3.3	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
Benzo[g,h,i]perylene	ND		17	3.3	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
Benzo[k]fluoranthene	ND		17	3.3	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
Bis(2-chloroethoxy)methane	ND		37	17	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
Bis(2-chloroethyl)ether	ND		37	17	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
Bis(2-ethylhexyl) phthalate	ND		170	67	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
Butyl benzyl phthalate	ND		170	67	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
Caprolactam	ND		170	33	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
Carbazole	ND		37	17	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
Chrysene	ND		17	3.3	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
Di-n-butyl phthalate	ND		170	67	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
Di-n-octyl phthalate	ND		170	67	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
Dibenz(a,h)anthracene	ND		17	6.7	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
Dibenzofuran	ND		37	17	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
Diethyl phthalate	ND		170	67	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
Dimethyl phthalate	ND		170	67	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
Fluoranthene	ND		17	3.3	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
Fluorene	ND		17	3.3	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
Hexachlorobenzene	ND		33	17	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
Hexachlorobutadiene	ND		50	20	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
Hexachlorocyclopentadiene	ND		500	170	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
Hexachloroethane	ND		170	33	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
Indeno[1,2,3-cd]pyrene	ND		17	4.0	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
Isophorone	ND		67	17	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
N-Nitrosodi-n-propylamine	ND		67	33	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
N-Nitrosodiphenylamine	ND		37	17	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
Naphthalene	9.24	J B	17	6.7	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
Nitrobenzene	ND		37	17	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
Pentachlorophenol	ND		170	67	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
Phenanthrene	ND		17	4.0	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
Phenol	ND		37	17	ug/Kg		05/13/26 00:09	05/14/26 22:14	1
Pyrene	ND		17	3.3	ug/Kg		05/13/26 00:09	05/14/26 22:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	81		34 - 120	05/13/26 00:09	05/14/26 22:14	1
2-Fluorophenol (Surr)	84		14 - 120	05/13/26 00:09	05/14/26 22:14	1
Nitrobenzene-d5 (Surr)	75		26 - 120	05/13/26 00:09	05/14/26 22:14	1
p-Terphenyl-d14 (Surr)	97		39 - 137	05/13/26 00:09	05/14/26 22:14	1
2,4,6-Tribromophenol (Surr)	95		17 - 131	05/13/26 00:09	05/14/26 22:14	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 410-816403/1-A

Matrix: Solid

Analysis Batch: 817897

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 816403

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	87		18 - 120	05/13/26 00:09	05/14/26 22:14	1

Lab Sample ID: LCS 410-816403/2-A

Matrix: Solid

Analysis Batch: 817897

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 816403

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	1670	1720		ug/Kg		103	47 - 120
2,2'-oxybis[1-chloropropane]	1670	1310		ug/Kg		79	19 - 120
2,4,5-Trichlorophenol	1670	1750		ug/Kg		105	58 - 120
2,4,6-Trichlorophenol	1670	1760		ug/Kg		106	56 - 120
2,4-Dichlorophenol	1670	1780		ug/Kg		107	50 - 120
2,4-Dimethylphenol	1670	1800		ug/Kg		108	46 - 120
2,4-Dinitrophenol	3330	4040		ug/Kg		121	43 - 137
2,4-Dinitrotoluene	1670	2010		ug/Kg		121	59 - 124
2,6-Dinitrotoluene	1670	1910		ug/Kg		114	58 - 120
2-Chloronaphthalene	1670	1670		ug/Kg		100	47 - 120
2-Chlorophenol	1670	1780		ug/Kg		107	43 - 120
2-Methylnaphthalene	1670	1610		ug/Kg		96	44 - 120
2-Methylphenol	1670	1840		ug/Kg		111	42 - 120
2-Nitroaniline	1670	2010		ug/Kg		120	58 - 124
2-Nitrophenol	1670	1910		ug/Kg		115	41 - 120
3,3'-Dichlorobenzidine	3330	1840		ug/Kg		55	10 - 120
3-Nitroaniline	1670	1420		ug/Kg		85	23 - 120
4,6-Dinitro-2-methylphenol	3330	4570		ug/Kg		137	54 - 137
4-Bromophenyl phenyl ether	1670	1730		ug/Kg		104	59 - 120
4-Chloro-3-methylphenol	1670	1830		ug/Kg		110	53 - 120
4-Chloroaniline	1670	1150		ug/Kg		69	10 - 120
4-Chlorophenyl phenyl ether	1670	1660		ug/Kg		99	58 - 120
3,4-Methylphenol	1670	1790		ug/Kg		108	40 - 120
4-Nitroaniline	1670	2050	*+	ug/Kg		123	49 - 120
4-Nitrophenol	3330	3140		ug/Kg		94	45 - 121
Acenaphthene	1670	1770		ug/Kg		106	50 - 120
Acenaphthylene	1670	1830		ug/Kg		110	51 - 120
Acetophenone	1670	1610		ug/Kg		96	41 - 120
Anthracene	1670	1910		ug/Kg		115	58 - 120
Atrazine	1670	1750		ug/Kg		105	50 - 146
Benzaldehyde	1670	1110		ug/Kg		66	19 - 120
Benzo[a]anthracene	1670	1710		ug/Kg		103	56 - 120
Benzo[a]pyrene	1670	1590		ug/Kg		96	58 - 126
Benzo[b]fluoranthene	1670	1410		ug/Kg		85	53 - 120
Benzo[g,h,i]perylene	1670	1750		ug/Kg		105	56 - 125
Benzo[k]fluoranthene	1670	1570		ug/Kg		94	56 - 120
Bis(2-chloroethoxy)methane	1670	1610		ug/Kg		97	40 - 120
Bis(2-chloroethyl)ether	1670	1570		ug/Kg		94	40 - 120
Bis(2-ethylhexyl) phthalate	1670	2370	*+	ug/Kg		142	55 - 128
Butyl benzyl phthalate	1670	2240	*+	ug/Kg		135	53 - 131
Caprolactam	1670	1630		ug/Kg		98	45 - 121

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 410-816403/2-A

Matrix: Solid

Analysis Batch: 817897

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 816403

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbazole	1670	2000		ug/Kg		120	60 - 120
Chrysene	1670	1760		ug/Kg		106	56 - 120
Di-n-butyl phthalate	1670	2100		ug/Kg		126	56 - 135
Di-n-octyl phthalate	1670	2200		ug/Kg		132	58 - 136
Dibenz(a,h)anthracene	1670	1760		ug/Kg		105	57 - 124
Dibenzofuran	1670	1780		ug/Kg		107	54 - 120
Diethyl phthalate	1670	1860		ug/Kg		111	57 - 120
Dimethyl phthalate	1670	1830		ug/Kg		110	56 - 120
Fluoranthene	1670	1900		ug/Kg		114	57 - 121
Fluorene	1670	1820		ug/Kg		109	54 - 120
Hexachlorobenzene	1670	1750		ug/Kg		105	58 - 120
Hexachlorobutadiene	1670	1250		ug/Kg		75	40 - 120
Hexachlorocyclopentadiene	1670	862		ug/Kg		52	16 - 120
Hexachloroethane	1670	1360		ug/Kg		82	37 - 120
Indeno[1,2,3-cd]pyrene	1670	1730		ug/Kg		104	54 - 125
Isophorone	1670	1600		ug/Kg		96	42 - 120
N-Nitrosodi-n-propylamine	1670	1580		ug/Kg		95	36 - 120
N-Nitrosodiphenylamine	1420	1660		ug/Kg		117	60 - 120
Naphthalene	1670	1590		ug/Kg		95	43 - 120
Nitrobenzene	1670	1530		ug/Kg		92	39 - 120
Pentachlorophenol	3330	3410		ug/Kg		102	46 - 134
Phenanthrene	1670	1840		ug/Kg		110	57 - 120
Phenol	1670	1690		ug/Kg		101	38 - 120
Pyrene	1670	1780		ug/Kg		107	56 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	86		34 - 120
2-Fluorophenol (Surr)	88		14 - 120
Nitrobenzene-d5 (Surr)	81		26 - 120
p-Terphenyl-d14 (Surr)	95		39 - 137
2,4,6-Tribromophenol (Surr)	99		17 - 131
Phenol-d5 (Surr)	95		18 - 120

Lab Sample ID: MB 410-818150/1-A

Matrix: Solid

Analysis Batch: 818565

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 818150

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.0025	mg/L		05/15/26 08:13	05/15/26 19:34	1
2,4,5-Trichlorophenol	ND		0.010	0.0025	mg/L		05/15/26 08:13	05/15/26 19:34	1
2,4,6-Trichlorophenol	ND		0.010	0.0025	mg/L		05/15/26 08:13	05/15/26 19:34	1
2,4-Dinitrotoluene	ND		0.025	0.0050	mg/L		05/15/26 08:13	05/15/26 19:34	1
Pyridine	ND		0.025	0.010	mg/L		05/15/26 08:13	05/15/26 19:34	1
2-Methylphenol	ND		0.010	0.0025	mg/L		05/15/26 08:13	05/15/26 19:34	1
3,4-Methylphenol	ND		0.010	0.0025	mg/L		05/15/26 08:13	05/15/26 19:34	1
Hexachlorobenzene	ND		0.0025	0.00055	mg/L		05/15/26 08:13	05/15/26 19:34	1
Hexachlorobutadiene	ND		0.010	0.0025	mg/L		05/15/26 08:13	05/15/26 19:34	1
Hexachloroethane	ND		0.025	0.0025	mg/L		05/15/26 08:13	05/15/26 19:34	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 410-818150/1-A

Matrix: Solid

Analysis Batch: 818565

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 818150

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		0.010	0.0025	mg/L		05/15/26 08:13	05/15/26 19:34	1
Pentachlorophenol	ND		0.025	0.0050	mg/L		05/15/26 08:13	05/15/26 19:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	80		45 - 120	05/15/26 08:13	05/15/26 19:34	1
2-Fluorophenol (Surr)	55		10 - 120	05/15/26 08:13	05/15/26 19:34	1
Nitrobenzene-d5 (Surr)	78		33 - 120	05/15/26 08:13	05/15/26 19:34	1
p-Terphenyl-d14 (Surr)	86		26 - 123	05/15/26 08:13	05/15/26 19:34	1
2,4,6-Tribromophenol (Surr)	85		13 - 134	05/15/26 08:13	05/15/26 19:34	1
Phenol-d5 (Surr)	40		10 - 120	05/15/26 08:13	05/15/26 19:34	1

Lab Sample ID: LCS 410-818150/4-A

Matrix: Solid

Analysis Batch: 818565

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 818150

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dichlorobenzene	0.0500	0.0496		mg/L		99	42 - 120
2,4,5-Trichlorophenol	0.0500	0.0633		mg/L		127	55 - 133
2,4,6-Trichlorophenol	0.0500	0.0596		mg/L		119	54 - 139
2,4-Dinitrotoluene	0.0500	0.0656		mg/L		131	54 - 143
Pyridine	0.100	0.0668		mg/L		67	14 - 120
2-Methylphenol	0.0500	0.0510		mg/L		102	42 - 120
3,4-Methylphenol	0.0500	0.0468		mg/L		94	38 - 120
Hexachlorobenzene	0.0500	0.0548		mg/L		110	47 - 135
Hexachlorobutadiene	0.0500	0.0496		mg/L		99	31 - 120
Hexachloroethane	0.0500	0.0481		mg/L		96	35 - 120
Nitrobenzene	0.0500	0.0518		mg/L		104	43 - 128
Pentachlorophenol	0.100	0.115		mg/L		115	45 - 149

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	86		45 - 120
2-Fluorophenol (Surr)	58		10 - 120
Nitrobenzene-d5 (Surr)	84		33 - 120
p-Terphenyl-d14 (Surr)	93		26 - 123
2,4,6-Tribromophenol (Surr)	84		13 - 134
Phenol-d5 (Surr)	41		10 - 120

Lab Sample ID: MB 410-818955/2-A

Matrix: Water

Analysis Batch: 819154

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 818955

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.0025	mg/L		05/17/26 15:43	05/18/26 11:32	1
2,4,5-Trichlorophenol	ND		0.010	0.0025	mg/L		05/17/26 15:43	05/18/26 11:32	1
2,4,6-Trichlorophenol	ND		0.010	0.0025	mg/L		05/17/26 15:43	05/18/26 11:32	1
2,4-Dinitrotoluene	ND		0.025	0.0050	mg/L		05/17/26 15:43	05/18/26 11:32	1
Pyridine	ND		0.025	0.010	mg/L		05/17/26 15:43	05/18/26 11:32	1
2-Methylphenol	ND		0.010	0.0025	mg/L		05/17/26 15:43	05/18/26 11:32	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 410-818955/2-A

Matrix: Water

Analysis Batch: 819154

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 818955

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,4-Methylphenol	ND		0.010	0.0025	mg/L		05/17/26 15:43	05/18/26 11:32	1
Hexachlorobenzene	ND		0.0025	0.00055	mg/L		05/17/26 15:43	05/18/26 11:32	1
Hexachlorobutadiene	ND		0.010	0.0025	mg/L		05/17/26 15:43	05/18/26 11:32	1
Hexachloroethane	ND		0.025	0.0025	mg/L		05/17/26 15:43	05/18/26 11:32	1
Nitrobenzene	ND		0.010	0.0025	mg/L		05/17/26 15:43	05/18/26 11:32	1
Pentachlorophenol	ND		0.025	0.0050	mg/L		05/17/26 15:43	05/18/26 11:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	103		45 - 120	05/17/26 15:43	05/18/26 11:32	1
2-Fluorophenol (Surr)	42		10 - 120	05/17/26 15:43	05/18/26 11:32	1
Nitrobenzene-d5 (Surr)	93		33 - 120	05/17/26 15:43	05/18/26 11:32	1
p-Terphenyl-d14 (Surr)	114		26 - 123	05/17/26 15:43	05/18/26 11:32	1
2,4,6-Tribromophenol (Surr)	46		13 - 134	05/17/26 15:43	05/18/26 11:32	1
Phenol-d5 (Surr)	43		10 - 120	05/17/26 15:43	05/18/26 11:32	1

Lab Sample ID: LCS 410-818955/3-A

Matrix: Water

Analysis Batch: 819154

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 818955

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dichlorobenzene	0.0500	0.0505		mg/L		101	42 - 120
2,4,5-Trichlorophenol	0.0500	0.0549		mg/L		110	55 - 133
2,4,6-Trichlorophenol	0.0500	0.0544		mg/L		109	54 - 139
2,4-Dinitrotoluene	0.0500	0.0592		mg/L		118	54 - 143
Pyridine	0.100	0.0699		mg/L		70	14 - 120
2-Methylphenol	0.0500	0.0389		mg/L		78	42 - 120
3,4-Methylphenol	0.0500	0.0452		mg/L		90	38 - 120
Hexachlorobenzene	0.0500	0.0511		mg/L		102	47 - 135
Hexachlorobutadiene	0.0500	0.0531		mg/L		106	31 - 120
Hexachloroethane	0.0500	0.0438		mg/L		88	35 - 120
Nitrobenzene	0.0500	0.0561		mg/L		112	43 - 128
Pentachlorophenol	0.100	0.0957		mg/L		96	45 - 149

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	91		45 - 120
2-Fluorophenol (Surr)	62		10 - 120
Nitrobenzene-d5 (Surr)	82		33 - 120
p-Terphenyl-d14 (Surr)	96		26 - 123
2,4,6-Tribromophenol (Surr)	82		13 - 134
Phenol-d5 (Surr)	48		10 - 120

Lab Sample ID: 410-281507-1 MS

Matrix: Solid

Analysis Batch: 818565

Client Sample ID: BSWC

Prep Type: TCLP

Prep Batch: 818150

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dichlorobenzene	ND		0.250	0.265		mg/L		106	42 - 120
2,4,5-Trichlorophenol	ND		0.250	0.260		mg/L		104	55 - 133

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 410-281507-1 MS

Matrix: Solid

Analysis Batch: 818565

Client Sample ID: BTSCW

Prep Type: TCLP

Prep Batch: 818150

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,6-Trichlorophenol	ND		0.250	0.213		mg/L		85	54 - 139
2,4-Dinitrotoluene	ND		0.250	0.322		mg/L		129	54 - 143
Pyridine	ND		0.500	0.295		mg/L		59	14 - 120
2-Methylphenol	ND		0.250	0.138		mg/L		55	42 - 120
3,4-Methylphenol	ND		0.250	0.114		mg/L		46	38 - 120
Hexachlorobenzene	ND		0.250	0.272		mg/L		109	47 - 135
Hexachlorobutadiene	ND		0.250	0.233		mg/L		93	31 - 120
Hexachloroethane	ND		0.250	0.248		mg/L		99	35 - 120
Nitrobenzene	ND		0.250	0.262		mg/L		105	43 - 128
Pentachlorophenol	ND		0.500	0.538		mg/L		108	45 - 149

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorobiphenyl (Surr)	87		45 - 120
2-Fluorophenol (Surr)	28		10 - 120
Nitrobenzene-d5 (Surr)	86		33 - 120
p-Terphenyl-d14 (Surr)	87		26 - 123
2,4,6-Tribromophenol (Surr)	52		13 - 134
Phenol-d5 (Surr)	21		10 - 120

Lab Sample ID: 410-281507-1 MSD

Matrix: Solid

Analysis Batch: 818565

Client Sample ID: BTSCW

Prep Type: TCLP

Prep Batch: 818150

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dichlorobenzene	ND		0.250	0.245		mg/L		98	42 - 120	8	30
2,4,5-Trichlorophenol	ND		0.250	0.268		mg/L		107	55 - 133	3	30
2,4,6-Trichlorophenol	ND		0.250	0.226		mg/L		90	54 - 139	6	30
2,4-Dinitrotoluene	ND		0.250	0.351		mg/L		141	54 - 143	9	30
Pyridine	ND		0.500	0.321		mg/L		64	14 - 120	8	30
2-Methylphenol	ND		0.250	0.148		mg/L		59	42 - 120	7	30
3,4-Methylphenol	ND		0.250	0.129		mg/L		52	38 - 120	12	30
Hexachlorobenzene	ND		0.250	0.278		mg/L		111	47 - 135	2	30
Hexachlorobutadiene	ND		0.250	0.247		mg/L		99	31 - 120	6	30
Hexachloroethane	ND		0.250	0.241		mg/L		96	35 - 120	3	30
Nitrobenzene	ND		0.250	0.268		mg/L		107	43 - 128	2	30
Pentachlorophenol	ND		0.500	0.606		mg/L		121	45 - 149	12	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2-Fluorobiphenyl (Surr)	93		45 - 120
2-Fluorophenol (Surr)	34		10 - 120
Nitrobenzene-d5 (Surr)	87		33 - 120
p-Terphenyl-d14 (Surr)	89		26 - 123
2,4,6-Tribromophenol (Surr)	52		13 - 134
Phenol-d5 (Surr)	27		10 - 120

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Lab Sample ID: MB 410-815929/1-A

Matrix: Water

Analysis Batch: 820286

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 815929

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.12	0.057	ug/L		05/12/26 09:00	05/19/26 18:04	1
2,2'-oxybis[1-chloropropane]	ND		1.1	0.57	ug/L		05/12/26 09:00	05/19/26 18:04	1
2,4,5-Trichlorophenol	ND		0.12	0.057	ug/L		05/12/26 09:00	05/19/26 18:04	1
2,4,6-Trichlorophenol	ND		0.12	0.057	ug/L		05/12/26 09:00	05/19/26 18:04	1
2,4-Dichlorophenol	ND		0.12	0.057	ug/L		05/12/26 09:00	05/19/26 18:04	1
2,4-Dimethylphenol	ND		0.12	0.057	ug/L		05/12/26 09:00	05/19/26 18:04	1
2,4-Dinitrophenol	ND		5.7	1.1	ug/L		05/12/26 09:00	05/19/26 18:04	1
2,4-Dinitrotoluene	ND		1.1	0.57	ug/L		05/12/26 09:00	05/19/26 18:04	1
2,6-Dinitrotoluene	ND		0.48	0.33	ug/L		05/12/26 09:00	05/19/26 18:04	1
2-Chloronaphthalene	ND		0.12	0.057	ug/L		05/12/26 09:00	05/19/26 18:04	1
2-Chlorophenol	ND		0.12	0.057	ug/L		05/12/26 09:00	05/19/26 18:04	1
2-Methylnaphthalene	ND		0.12	0.057	ug/L		05/12/26 09:00	05/19/26 18:04	1
2-Methylphenol	ND		0.29	0.23	ug/L		05/12/26 09:00	05/19/26 18:04	1
2-Nitroaniline	ND		1.1	0.57	ug/L		05/12/26 09:00	05/19/26 18:04	1
2-Nitrophenol	ND		0.12	0.057	ug/L		05/12/26 09:00	05/19/26 18:04	1
3,3'-Dichlorobenzidine	ND		0.12	0.057	ug/L		05/12/26 09:00	05/19/26 18:04	1
3-Nitroaniline	ND		1.1	0.57	ug/L		05/12/26 09:00	05/19/26 18:04	1
4,6-Dinitro-2-methylphenol	ND		0.70	0.57	ug/L		05/12/26 09:00	05/19/26 18:04	1
4-Bromophenyl phenyl ether	ND		0.12	0.057	ug/L		05/12/26 09:00	05/19/26 18:04	1
4-Chloro-3-methylphenol	ND		0.12	0.057	ug/L		05/12/26 09:00	05/19/26 18:04	1
4-Chloroaniline	ND		0.12	0.057	ug/L		05/12/26 09:00	05/19/26 18:04	1
4-Chlorophenyl phenyl ether	ND		1.1	0.57	ug/L		05/12/26 09:00	05/19/26 18:04	1
3,4-Methylphenol	ND		0.29	0.23	ug/L		05/12/26 09:00	05/19/26 18:04	1
4-Nitroaniline	ND		1.1	0.57	ug/L		05/12/26 09:00	05/19/26 18:04	1
4-Nitrophenol	ND		5.7	1.1	ug/L		05/12/26 09:00	05/19/26 18:04	1
Acenaphthene	ND		0.12	0.057	ug/L		05/12/26 09:00	05/19/26 18:04	1
Acenaphthylene	ND		0.12	0.057	ug/L		05/12/26 09:00	05/19/26 18:04	1
Acetophenone	ND		1.1	0.57	ug/L		05/12/26 09:00	05/19/26 18:04	1
Anthracene	ND		0.12	0.057	ug/L		05/12/26 09:00	05/19/26 18:04	1
Atrazine	ND		1.1	0.86	ug/L		05/12/26 09:00	05/19/26 18:04	1
Benzaldehyde	ND		1.1	0.86	ug/L		05/12/26 09:00	05/19/26 18:04	1
Benzo[a]anthracene	ND		0.050	0.020	ug/L		05/12/26 09:00	05/19/26 18:04	1
Benzo[a]pyrene	ND		0.050	0.020	ug/L		05/12/26 09:00	05/19/26 18:04	1
Benzo[b]fluoranthene	ND		0.050	0.020	ug/L		05/12/26 09:00	05/19/26 18:04	1
Benzo[g,h,i]perylene	ND		0.12	0.057	ug/L		05/12/26 09:00	05/19/26 18:04	1
Benzo[k]fluoranthene	ND		0.050	0.020	ug/L		05/12/26 09:00	05/19/26 18:04	1
Bis(2-chloroethoxy)methane	ND		0.12	0.057	ug/L		05/12/26 09:00	05/19/26 18:04	1
Bis(2-chloroethyl)ether	ND		0.12	0.057	ug/L		05/12/26 09:00	05/19/26 18:04	1
Bis(2-ethylhexyl) phthalate	ND		1.1	0.57	ug/L		05/12/26 09:00	05/19/26 18:04	1
Butyl benzyl phthalate	ND		1.1	0.57	ug/L		05/12/26 09:00	05/19/26 18:04	1
Caprolactam	ND		2.9	1.1	ug/L		05/12/26 09:00	05/19/26 18:04	1
Carbazole	ND		0.30	0.057	ug/L		05/12/26 09:00	05/19/26 18:04	1
Chrysene	ND		0.12	0.057	ug/L		05/12/26 09:00	05/19/26 18:04	1
Di-n-butyl phthalate	ND		3.6	1.8	ug/L		05/12/26 09:00	05/19/26 18:04	1
Di-n-octyl phthalate	ND		1.1	0.57	ug/L		05/12/26 09:00	05/19/26 18:04	1
Dibenz(a,h)anthracene	ND		0.050	0.020	ug/L		05/12/26 09:00	05/19/26 18:04	1
Dibenzofuran	ND		0.12	0.057	ug/L		05/12/26 09:00	05/19/26 18:04	1
Diethyl phthalate	ND		1.1	0.57	ug/L		05/12/26 09:00	05/19/26 18:04	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 410-815929/1-A

Matrix: Water

Analysis Batch: 820286

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 815929

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	ND		1.1	0.57	ug/L		05/12/26 09:00	05/19/26 18:04	1
Fluoranthene	ND		0.12	0.057	ug/L		05/12/26 09:00	05/19/26 18:04	1
Fluorene	ND		0.12	0.057	ug/L		05/12/26 09:00	05/19/26 18:04	1
Hexachlorobenzene	ND		0.033	0.018	ug/L		05/12/26 09:00	05/19/26 18:04	1
Hexachlorobutadiene	ND		0.12	0.057	ug/L		05/12/26 09:00	05/19/26 18:04	1
Hexachlorocyclopentadiene	ND		0.12	0.057	ug/L		05/12/26 09:00	05/19/26 18:04	1
Hexachloroethane	ND		0.12	0.057	ug/L		05/12/26 09:00	05/19/26 18:04	1
Indeno[1,2,3-cd]pyrene	ND		0.12	0.057	ug/L		05/12/26 09:00	05/19/26 18:04	1
Isophorone	ND		0.12	0.057	ug/L		05/12/26 09:00	05/19/26 18:04	1
N-Nitrosodi-n-propylamine	ND		0.10	0.057	ug/L		05/12/26 09:00	05/19/26 18:04	1
N-Nitrosodiphenylamine	ND		0.12	0.057	ug/L		05/12/26 09:00	05/19/26 18:04	1
Naphthalene	ND		0.12	0.057	ug/L		05/12/26 09:00	05/19/26 18:04	1
Nitrobenzene	ND		1.1	0.57	ug/L		05/12/26 09:00	05/19/26 18:04	1
Pentachlorophenol	ND		1.1	0.57	ug/L		05/12/26 09:00	05/19/26 18:04	1
Phenanthrene	ND		0.12	0.057	ug/L		05/12/26 09:00	05/19/26 18:04	1
Phenol	ND		1.1	0.57	ug/L		05/12/26 09:00	05/19/26 18:04	1
Pyrene	ND		0.12	0.057	ug/L		05/12/26 09:00	05/19/26 18:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	103		48 - 173	05/12/26 09:00	05/19/26 18:04	1
2-Fluorophenol (Surr)	69		30 - 120	05/12/26 09:00	05/19/26 18:04	1
Nitrobenzene-d5 (Surr)	90		50 - 196	05/12/26 09:00	05/19/26 18:04	1
p-Terphenyl-d14 (Surr)	66		23 - 149	05/12/26 09:00	05/19/26 18:04	1
2,4,6-Tribromophenol (Surr)	65	S1-	72 - 172	05/12/26 09:00	05/19/26 18:04	1
Phenol-d5 (Surr)	44		10 - 120	05/12/26 09:00	05/19/26 18:04	1

Lab Sample ID: LCS 410-815929/2-A

Matrix: Water

Analysis Batch: 819605

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 815929

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	5.71	3.73		ug/L		65	46 - 157
2,2'-oxybis[1-chloropropane]	5.71	6.50		ug/L		114	69 - 156
2,4,5-Trichlorophenol	5.71	8.22		ug/L		144	64 - 178
2,4,6-Trichlorophenol	5.71	8.15		ug/L		143	78 - 174
2,4-Dichlorophenol	5.71	6.53		ug/L		114	76 - 166
2,4-Dimethylphenol	5.71	6.33		ug/L		111	75 - 157
2,4-Dinitrophenol	11.4	3.24	J	ug/L		28	10 - 120
2,4-Dinitrotoluene	5.71	7.53		ug/L		132	53 - 163
2,6-Dinitrotoluene	5.71	7.81		ug/L		137	63 - 171
2-Chloronaphthalene	5.71	3.40		ug/L		60	38 - 150
2-Chlorophenol	5.71	6.27		ug/L		110	63 - 147
2-Methylnaphthalene	5.71	3.13		ug/L		55	32 - 150
2-Methylphenol	5.71	6.04		ug/L		106	55 - 136
2-Nitroaniline	5.71	7.74		ug/L		136	59 - 175
2-Nitrophenol	5.71	7.14		ug/L		125	75 - 178
3,3'-Dichlorobenzidine	11.4	16.0		ug/L		140	60 - 189
3-Nitroaniline	5.71	5.79		ug/L		101	41 - 161

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 410-815929/2-A

Matrix: Water

Analysis Batch: 819605

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 815929

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,6-Dinitro-2-methylphenol	11.4	14.7		ug/L		128	30 - 178
4-Bromophenyl phenyl ether	5.71	4.10		ug/L		72	40 - 157
4-Chloro-3-methylphenol	5.71	7.10		ug/L		124	75 - 159
4-Chloroaniline	5.71	7.22		ug/L		126	50 - 150
4-Chlorophenyl phenyl ether	5.71	3.39		ug/L		59	35 - 160
3,4-Methylphenol	5.71	4.84		ug/L		85	49 - 128
4-Nitroaniline	5.71	5.55		ug/L		97	39 - 135
4-Nitrophenol	11.4	7.43		ug/L		65	10 - 120
Acenaphthene	5.71	4.12		ug/L		72	52 - 161
Acenaphthylene	5.71	4.43		ug/L		78	56 - 166
Acetophenone	5.71	6.34		ug/L		111	71 - 162
Anthracene	5.71	5.83		ug/L		102	57 - 153
Atrazine	11.4	13.4		ug/L		118	60 - 200
Benzaldehyde	11.4	11.2		ug/L		98	67 - 184
Benzo[a]anthracene	5.71	7.18		ug/L		126	70 - 164
Benzo[a]pyrene	5.71	6.76		ug/L		118	68 - 156
Benzo[b]fluoranthene	5.71	6.97		ug/L		122	62 - 151
Benzo[g,h,i]perylene	5.71	8.01		ug/L		140	65 - 156
Benzo[k]fluoranthene	5.71	7.25		ug/L		127	60 - 167
Bis(2-chloroethoxy)methane	5.71	6.07		ug/L		106	65 - 173
Bis(2-chloroethyl)ether	5.71	5.86		ug/L		103	62 - 167
Bis(2-ethylhexyl) phthalate	5.71	4.83		ug/L		85	60 - 164
Butyl benzyl phthalate	5.71	6.19		ug/L		108	66 - 152
Caprolactam	11.4	1.63	J I	ug/L		14	10 - 120
Carbazole	5.71	7.55		ug/L		132	75 - 167
Chrysene	5.71	7.82		ug/L		137	66 - 174
Di-n-butyl phthalate	5.71	5.75		ug/L		101	74 - 162
Di-n-octyl phthalate	5.71	7.53		ug/L		132	63 - 174
Dibenz(a,h)anthracene	5.71	8.17		ug/L		143	73 - 163
Dibenzofuran	5.71	4.61		ug/L		81	54 - 155
Diethyl phthalate	5.71	6.08		ug/L		106	69 - 171
Dimethyl phthalate	5.71	7.02		ug/L		123	63 - 172
Fluoranthene	5.71	7.24		ug/L		127	72 - 153
Fluorene	5.71	5.13		ug/L		90	55 - 157
Hexachlorobenzene	5.71	3.40		ug/L		60	32 - 155
Hexachlorobutadiene	5.71	0.838		ug/L		15	10 - 120
Hexachlorocyclopentadiene	5.71	0.834		ug/L		15	10 - 120
Hexachloroethane	5.71	1.32		ug/L		23	10 - 120
Indeno[1,2,3-cd]pyrene	5.71	7.43		ug/L		130	73 - 154
Isophorone	5.71	5.30		ug/L		93	71 - 168
N-Nitrosodi-n-propylamine	5.71	7.94		ug/L		139	56 - 174
N-Nitrosodiphenylamine	4.86	5.23		ug/L		108	73 - 162
Naphthalene	5.71	3.73		ug/L		65	39 - 153
Nitrobenzene	5.71	4.87		ug/L		85	80 - 155
Pentachlorophenol	11.4	22.4	*+	ug/L		196	63 - 192
Phenanthrene	5.71	5.76		ug/L		101	61 - 151
Phenol	5.71	3.47		ug/L		61	18 - 120
Pyrene	5.71	6.84		ug/L		120	66 - 158

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 410-815929/2-A

Matrix: Water

Analysis Batch: 819605

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 815929

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
2-Fluorobiphenyl (Surr)	92		48 - 173
2-Fluorophenol (Surr)	66		30 - 120
Nitrobenzene-d5 (Surr)	101		50 - 196
p-Terphenyl-d14 (Surr)	99		23 - 149
2,4,6-Tribromophenol (Surr)	120		72 - 172
Phenol-d5 (Surr)	47		10 - 120

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 410-816542/5

Matrix: Water

Analysis Batch: 816542

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		50	20	ug/L			05/13/26 10:19	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	104		63 - 135					05/13/26 10:19	1

Lab Sample ID: LCS 410-816542/6

Matrix: Water

Analysis Batch: 816542

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline (Unleaded) (1C)	1100	1100		ug/L		100	66 - 120		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
a,a,a-Trifluorotoluene (fid) (1C)	99		63 - 135						

Lab Sample ID: LCSD 410-816542/7

Matrix: Water

Analysis Batch: 816542

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline (Unleaded) (1C)	1100	1140		ug/L		103	66 - 120	4	30
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
a,a,a-Trifluorotoluene (fid) (1C)	99		63 - 135						

Lab Sample ID: MB 410-818205/5

Matrix: Solid

Analysis Batch: 818205

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (1C)	ND		1.0	0.44	mg/Kg			05/15/26 11:34	25

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 8015D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: MB 410-818205/5

Matrix: Solid

Analysis Batch: 818205

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid) (1C)	95		50 - 142		05/15/26 11:34	25

Lab Sample ID: LCS 410-818205/6

Matrix: Solid

Analysis Batch: 818205

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec		
			Added	Result	Qualifier			Limits	Limits		
Gasoline (Unleaded) (1C)			11.0	10.4		mg/Kg		94	67 - 120		
Surrogate	LCS	LCS	Limits								
	%Recovery	Qualifier									
a,a,a-Trifluorotoluene (fid) (1C)	91		50 - 142								

Lab Sample ID: LCSD 410-818205/7

Matrix: Solid

Analysis Batch: 818205

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline (Unleaded) (1C)			11.0	10.4		mg/Kg		94	67 - 120	0	30
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits								
a,a,a-Trifluorotoluene (fid) (1C)	90		50 - 142								

Method: 8015D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 410-815736/1-A

Matrix: Water

Analysis Batch: 816385

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 815736

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
DRO (C10-C28)	ND		110	56	ug/L		05/12/26 04:36	05/13/26 06:43	1
Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac			
	%Recovery	Qualifier							
o- terphenyl (Surr)	91		37 - 153	05/12/26 04:36	05/13/26 06:43	1			

Lab Sample ID: LCS 410-815736/2-A

Matrix: Water

Analysis Batch: 816385

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 815736

			Spike	LCS	LCS					
Analyte			Added	Result	Qualifier	Unit	D	%Rec	%Rec	
DRO (C10-C28)			2660	2320		ug/L		87	78 - 133	
Surrogate	LCS	LCS								
	%Recovery	Qualifier	Limits							
o- terphenyl (Surr)	104		37 - 153							

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 8015D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 410-815736/3-A

Matrix: Water

Analysis Batch: 816385

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 815736

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
DRO (C10-C28)	2650	2420		ug/L		91	78 - 133	4	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
o- terphenyl (Surr)	102		37 - 153						

Lab Sample ID: MB 410-820024/1-A

Matrix: Solid

Analysis Batch: 820364

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 820024

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		12	5.0	mg/Kg		05/19/26 09:43	05/19/26 21:47	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
o- terphenyl (Surr)	90		49 - 154				05/19/26 09:43	05/19/26 21:47	1

Lab Sample ID: LCS 410-820024/2-A

Matrix: Solid

Analysis Batch: 820364

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 820024

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
DRO (C10-C28)	134	120		mg/Kg		90	38 - 132		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
o- terphenyl (Surr)	101		49 - 154						

Lab Sample ID: LCSD 410-820024/3-A

Matrix: Solid

Analysis Batch: 820364

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 820024

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
DRO (C10-C28)	134	120		mg/Kg		90	38 - 132	0	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
o- terphenyl (Surr)	101		49 - 154						

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 410-815559/1-A

Matrix: Water

Analysis Batch: 815748

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 815559

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.020	0.0020	ug/L		05/11/26 17:20	05/12/26 06:44	1
alpha-BHC (1C)	ND		0.020	0.0030	ug/L		05/11/26 17:20	05/12/26 06:44	1
alpha-Chlordane (1C)	ND		0.020	0.0030	ug/L		05/11/26 17:20	05/12/26 06:44	1
beta-BHC (1C)	ND		0.030	0.011	ug/L		05/11/26 17:20	05/12/26 06:44	1
delta-BHC (1C)	ND		0.020	0.0030	ug/L		05/11/26 17:20	05/12/26 06:44	1
Dieldrin (1C)	ND		0.020	0.0040	ug/L		05/11/26 17:20	05/12/26 06:44	1

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 410-815559/1-A

Matrix: Water

Analysis Batch: 815748

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 815559

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan I (1C)	ND		0.020	0.0040	ug/L		05/11/26 17:20	05/12/26 06:44	1
Endosulfan II (1C)	ND		0.040	0.015	ug/L		05/11/26 17:20	05/12/26 06:44	1
Endosulfan sulfate (1C)	ND		0.030	0.014	ug/L		05/11/26 17:20	05/12/26 06:44	1
Endrin (1C)	ND		0.030	0.0080	ug/L		05/11/26 17:20	05/12/26 06:44	1
Endrin aldehyde (1C)	ND		0.10	0.020	ug/L		05/11/26 17:20	05/12/26 06:44	1
Endrin ketone (1C)	ND		0.030	0.0050	ug/L		05/11/26 17:20	05/12/26 06:44	1
gamma-BHC (Lindane) (1C)	ND		0.020	0.0020	ug/L		05/11/26 17:20	05/12/26 06:44	1
gamma-Chlordane (1C)	ND		0.040	0.0070	ug/L		05/11/26 17:20	05/12/26 06:44	1
Heptachlor (1C)	ND		0.020	0.0020	ug/L		05/11/26 17:20	05/12/26 06:44	1
Heptachlor epoxide (1C)	ND		0.020	0.0040	ug/L		05/11/26 17:20	05/12/26 06:44	1
Methoxychlor (1C)	ND		0.11	0.078	ug/L		05/11/26 17:20	05/12/26 06:44	1
Toxaphene (1C)	ND		1.0	0.30	ug/L		05/11/26 17:20	05/12/26 06:44	1
p,p'-DDD (1C)	ND		0.030	0.013	ug/L		05/11/26 17:20	05/12/26 06:44	1
p,p'-DDE (1C)	ND		0.030	0.011	ug/L		05/11/26 17:20	05/12/26 06:44	1
p,p'-DDT (1C)	ND		0.030	0.0050	ug/L		05/11/26 17:20	05/12/26 06:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	73		20 - 149	05/11/26 17:20	05/12/26 06:44	1
DCB Decachlorobiphenyl (Surr) (2C)	76		20 - 149	05/11/26 17:20	05/12/26 06:44	1
Tetrachloro-m-xylene (Surr) (1C)	60		20 - 129	05/11/26 17:20	05/12/26 06:44	1
Tetrachloro-m-xylene (Surr) (2C)	58		20 - 129	05/11/26 17:20	05/12/26 06:44	1

Lab Sample ID: LCS 410-815559/2-A

Matrix: Water

Analysis Batch: 815748

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 815559

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aldrin (1C)	0.100	0.0480		ug/L		48	10 - 148
alpha-BHC (1C)	0.100	0.0792		ug/L		79	47 - 132
alpha-Chlordane (2C)	0.100	0.0760		ug/L		76	50 - 136
beta-BHC (2C)	0.100	0.0842		ug/L		84	65 - 139
delta-BHC (2C)	0.100	0.0829		ug/L		83	56 - 141
Dieldrin (2C)	0.200	0.164		ug/L		82	58 - 145
Endosulfan I (2C)	0.100	0.0819		ug/L		82	63 - 138
Endosulfan II (2C)	0.200	0.172		ug/L		86	61 - 138
Endosulfan sulfate (1C)	0.200	0.167		ug/L		84	63 - 129
Endrin (2C)	0.200	0.176		ug/L		88	63 - 131
Endrin aldehyde (2C)	0.200	0.168		ug/L		84	57 - 135
Endrin ketone (2C)	0.200	0.175		ug/L		87	67 - 136
gamma-BHC (Lindane) (1C)	0.100	0.0791		ug/L		79	61 - 139
gamma-Chlordane (2C)	0.100	0.0720		ug/L		72	33 - 141
Heptachlor (1C)	0.100	0.0616		ug/L		62	35 - 136
Heptachlor epoxide (1C)	0.100	0.0828		ug/L		83	59 - 146
Methoxychlor (1C)	1.00	1.02		ug/L		102	66 - 148
p,p'-DDD (2C)	0.200	0.168		ug/L		84	42 - 148
p,p'-DDE (1C)	0.200	0.137		ug/L		68	20 - 140
p,p'-DDT (1C)	0.200	0.198		ug/L		99	40 - 145

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 410-815559/2-A

Matrix: Water

Analysis Batch: 815748

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 815559

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	73		20 - 149
(1C)			
DCB Decachlorobiphenyl (Surr)	77		20 - 149
(2C)			
Tetrachloro-m-xylene (Surr)	51		20 - 129
(1C)			
Tetrachloro-m-xylene (Surr)	51		20 - 129
(2C)			

Lab Sample ID: LCS 410-815559/5-A

Matrix: Water

Analysis Batch: 815748

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 815559

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Toxaphene (1C)	5.00	3.87		ug/L		77	50 - 150

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	70		20 - 149
(1C)			
DCB Decachlorobiphenyl (Surr)	71		20 - 149
(2C)			
Tetrachloro-m-xylene (Surr)	42		20 - 129
(1C)			
Tetrachloro-m-xylene (Surr)	43		20 - 129
(2C)			

Lab Sample ID: LCSD 410-815559/6-A

Matrix: Water

Analysis Batch: 815748

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 815559

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toxaphene (1C)	5.00	4.99		ug/L		100	50 - 150	25	30

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	87		20 - 149
(1C)			
DCB Decachlorobiphenyl (Surr)	84		20 - 149
(2C)			
Tetrachloro-m-xylene (Surr)	50		20 - 129
(1C)			
Tetrachloro-m-xylene (Surr)	48		20 - 129
(2C)			

Lab Sample ID: MB 410-818128/1-A

Matrix: Solid

Analysis Batch: 818775

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 818128

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (n.o.s.) (1C)	ND		0.0010	0.00032	mg/L		05/15/26 07:43	05/16/26 15:02	1
Endrin (1C)	ND		0.000060	0.000016	mg/L		05/15/26 07:43	05/16/26 15:02	1
gamma-BHC (Lindane) (1C)	ND		0.000040	0.0000040	mg/L		05/15/26 07:43	05/16/26 15:02	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 410-818128/1-A

Matrix: Solid

Analysis Batch: 818775

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 818128

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor (1C)	ND		0.000040	0.0000040	mg/L		05/15/26 07:43	05/16/26 15:02	1
Heptachlor epoxide (1C)	ND		0.000040	0.0000080	mg/L		05/15/26 07:43	05/16/26 15:02	1
Methoxychlor (1C)	ND		0.00022	0.00016	mg/L		05/15/26 07:43	05/16/26 15:02	1
Toxaphene (1C)	ND		0.0020	0.00060	mg/L		05/15/26 07:43	05/16/26 15:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	91		21 - 130	05/15/26 07:43	05/16/26 15:02	1
DCB Decachlorobiphenyl (Surr) (2C)	77		21 - 130	05/15/26 07:43	05/16/26 15:02	1
Tetrachloro-m-xylene (Surr) (1C)	83		39 - 139	05/15/26 07:43	05/16/26 15:02	1
Tetrachloro-m-xylene (Surr) (2C)	73		39 - 139	05/15/26 07:43	05/16/26 15:02	1

Lab Sample ID: MB 410-818128/2-A

Matrix: Solid

Analysis Batch: 818775

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 818128

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (n.o.s.) (1C)	ND		0.0010	0.00032	mg/L		05/15/26 07:43	05/16/26 11:38	1
Endrin (1C)	ND		0.000060	0.000016	mg/L		05/15/26 07:43	05/16/26 11:38	1
gamma-BHC (Lindane) (1C)	ND		0.000040	0.0000040	mg/L		05/15/26 07:43	05/16/26 11:38	1
Heptachlor (1C)	ND		0.000040	0.0000040	mg/L		05/15/26 07:43	05/16/26 11:38	1
Heptachlor epoxide (1C)	ND		0.000040	0.0000080	mg/L		05/15/26 07:43	05/16/26 11:38	1
Methoxychlor (1C)	ND		0.00022	0.00016	mg/L		05/15/26 07:43	05/16/26 11:38	1
Toxaphene (1C)	ND		0.0020	0.00060	mg/L		05/15/26 07:43	05/16/26 11:38	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	81		21 - 130	05/15/26 07:43	05/16/26 11:38	1
DCB Decachlorobiphenyl (Surr) (2C)	71		21 - 130	05/15/26 07:43	05/16/26 11:38	1
Tetrachloro-m-xylene (Surr) (1C)	65		39 - 139	05/15/26 07:43	05/16/26 11:38	1
Tetrachloro-m-xylene (Surr) (2C)	65		39 - 139	05/15/26 07:43	05/16/26 11:38	1

Lab Sample ID: LCS 410-818128/3-A

Matrix: Solid

Analysis Batch: 818775

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 818128

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Endrin (1C)	0.0000250	0.0000308		mg/L		123	60 - 151
gamma-BHC (Lindane) (1C)	0.0000502	0.0000573		mg/L		114	51 - 132
Heptachlor (1C)	0.0000503	0.0000483		mg/L		96	42 - 133
Heptachlor epoxide (1C)	0.0000750	0.0000851		mg/L		113	56 - 132
Methoxychlor (1C)	0.000200	0.000248		mg/L		124	58 - 165

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr) (1C)	59		21 - 130
DCB Decachlorobiphenyl (Surr) (2C)	55		21 - 130
Tetrachloro-m-xylene (Surr) (1C)	82		39 - 139

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 410-818128/3-A

Matrix: Solid

Analysis Batch: 818775

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 818128

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
Tetrachloro-m-xylene (Surr) (2C)	78		39 - 139

Lab Sample ID: MB 410-818976/1-A

Matrix: Water

Analysis Batch: 819061

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 818976

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac		
DCB Decachlorobiphenyl (Surr) (1C)	95		21 - 130	05/17/26 16:31	05/18/26 09:50	1			
DCB Decachlorobiphenyl (Surr) (2C)	87		21 - 130	05/17/26 16:31	05/18/26 09:50	1			
Tetrachloro-m-xylene (Surr) (1C)	103		39 - 139	05/17/26 16:31	05/18/26 09:50	1			
Tetrachloro-m-xylene (Surr) (2C)	90		39 - 139	05/17/26 16:31	05/18/26 09:50	1			

Lab Sample ID: MB 410-818976/2-A

Matrix: Water

Analysis Batch: 819061

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 818976

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (n.o.s.) (1C)	ND		0.0010	0.00032	mg/L		05/17/26 16:31	05/18/26 10:01	1
Endrin (1C)	ND		0.000060	0.000016	mg/L		05/17/26 16:31	05/18/26 10:01	1
gamma-BHC (Lindane) (1C)	ND		0.000040	0.0000040	mg/L		05/17/26 16:31	05/18/26 10:01	1
Heptachlor (1C)	ND		0.000040	0.0000040	mg/L		05/17/26 16:31	05/18/26 10:01	1
Heptachlor epoxide (1C)	ND		0.000040	0.0000080	mg/L		05/17/26 16:31	05/18/26 10:01	1
Methoxychlor (1C)	ND		0.00022	0.00016	mg/L		05/17/26 16:31	05/18/26 10:01	1
Toxaphene (1C)	ND		0.0020	0.00060	mg/L		05/17/26 16:31	05/18/26 10:01	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac		
DCB Decachlorobiphenyl (Surr) (1C)	42		21 - 130	05/17/26 16:31	05/18/26 10:01	1			
DCB Decachlorobiphenyl (Surr) (2C)	40		21 - 130	05/17/26 16:31	05/18/26 10:01	1			
Tetrachloro-m-xylene (Surr) (1C)	97		39 - 139	05/17/26 16:31	05/18/26 10:01	1			
Tetrachloro-m-xylene (Surr) (2C)	87		39 - 139	05/17/26 16:31	05/18/26 10:01	1			

Lab Sample ID: LCS 410-818976/3-A

Matrix: Water

Analysis Batch: 819061

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 818976

	Spike	LCS	LCS						
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Endrin (1C)	0.000125	0.000145		mg/L		116	60 - 151		
gamma-BHC (Lindane) (1C)	0.000251	0.000298		mg/L		119	51 - 132		
Heptachlor (1C)	0.000252	0.000264		mg/L		105	42 - 133		
Heptachlor epoxide (1C)	0.000375	0.000444		mg/L		118	56 - 132		
Methoxychlor (1C)	0.00100	0.00121		mg/L		121	58 - 165		

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl (Surr) (1C)	98		21 - 130
DCB Decachlorobiphenyl (Surr) (2C)	92		21 - 130

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 410-818976/3-A

Matrix: Water

Analysis Batch: 819061

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 818976

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
Tetrachloro-m-xylene (Surr) (1C)	108		39 - 139
Tetrachloro-m-xylene (Surr) (2C)	99		39 - 139

Lab Sample ID: 410-281507-1 MS

Matrix: Solid

Analysis Batch: 818775

Client Sample ID: BTSWC

Prep Type: TCLP

Prep Batch: 818128

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Endrin (1C)	ND		0.000125	0.000132		mg/L		106	60 - 151
gamma-BHC (Lindane) (1C)	ND		0.000251	0.000235		mg/L		93	51 - 132
Heptachlor (1C)	0.0000048	J	0.000252	0.000214		mg/L		83	42 - 133
Heptachlor epoxide (1C)	ND		0.000375	0.000351		mg/L		93	56 - 132
Methoxychlor (1C)	ND		0.00100	0.00104		mg/L		104	58 - 165

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl (Surr) (1C)	84		21 - 130
DCB Decachlorobiphenyl (Surr) (2C)	70		21 - 130
Tetrachloro-m-xylene (Surr) (1C)	77		39 - 139
Tetrachloro-m-xylene (Surr) (2C)	67		39 - 139

Lab Sample ID: 410-281507-1 MSD

Matrix: Solid

Analysis Batch: 818775

Client Sample ID: BTSWC

Prep Type: TCLP

Prep Batch: 818128

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Endrin (1C)	ND		0.000125	0.000159		mg/L		127	60 - 151	18	30
gamma-BHC (Lindane) (1C)	ND		0.000251	0.000287		mg/L		114	51 - 132	20	30
Heptachlor (1C)	0.0000048	J	0.000252	0.000253		mg/L		99	42 - 133	17	30
Heptachlor epoxide (1C)	ND		0.000375	0.000421		mg/L		112	56 - 132	18	30
Methoxychlor (1C)	ND		0.00100	0.00128		mg/L		127	58 - 165	20	30

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl (Surr) (1C)	96		21 - 130
DCB Decachlorobiphenyl (Surr) (2C)	84		21 - 130
Tetrachloro-m-xylene (Surr) (1C)	87		39 - 139
Tetrachloro-m-xylene (Surr) (2C)	78		39 - 139

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 410-815512/1-A

Matrix: Water

Analysis Batch: 815937

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 815512

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016 (1C)	ND		0.20	0.10	ug/L		05/11/26 16:27	05/12/26 11:15	1
PCB-1221 (1C)	ND		0.20	0.10	ug/L		05/11/26 16:27	05/12/26 11:15	1
PCB-1232 (1C)	ND		0.20	0.10	ug/L		05/11/26 16:27	05/12/26 11:15	1
PCB-1242 (1C)	ND		0.20	0.10	ug/L		05/11/26 16:27	05/12/26 11:15	1
PCB-1248 (1C)	ND		0.20	0.10	ug/L		05/11/26 16:27	05/12/26 11:15	1
PCB-1254 (1C)	ND		0.20	0.10	ug/L		05/11/26 16:27	05/12/26 11:15	1
PCB-1260 (1C)	ND		0.20	0.10	ug/L		05/11/26 16:27	05/12/26 11:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	61		10 - 148	05/11/26 16:27	05/12/26 11:15	1
DCB Decachlorobiphenyl (Surr) (2C)	56		10 - 148	05/11/26 16:27	05/12/26 11:15	1
Tetrachloro-m-xylene (1C)	96		33 - 137	05/11/26 16:27	05/12/26 11:15	1
Tetrachloro-m-xylene (2C)	85		33 - 137	05/11/26 16:27	05/12/26 11:15	1

Lab Sample ID: LCS 410-815512/2-A

Matrix: Water

Analysis Batch: 815937

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 815512

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016 (1C)	5.00	5.02		ug/L		100	60 - 117
PCB-1260 (2C)	5.00	3.84		ug/L		77	57 - 134

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr) (1C)	66		10 - 148
DCB Decachlorobiphenyl (Surr) (2C)	67		10 - 148
Tetrachloro-m-xylene (1C)	97		33 - 137
Tetrachloro-m-xylene (2C)	88		33 - 137

Lab Sample ID: LCSD 410-815512/3-A

Matrix: Water

Analysis Batch: 815937

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 815512

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016 (1C)	5.00	5.06		ug/L		101	60 - 117	1	30
PCB-1260 (1C)	5.00	4.10		ug/L		82	57 - 134	7	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr) (1C)	70		10 - 148
DCB Decachlorobiphenyl (Surr) (2C)	72		10 - 148
Tetrachloro-m-xylene (1C)	97		33 - 137
Tetrachloro-m-xylene (2C)	88		33 - 137

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 410-817151/1-A

Matrix: Solid

Analysis Batch: 819256

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 817151

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016 (1C)	ND		17	5.3	ug/Kg		05/13/26 22:58	05/18/26 12:05	1
PCB-1221 (1C)	ND		17	5.3	ug/Kg		05/13/26 22:58	05/18/26 12:05	1
PCB-1232 (1C)	ND		17	5.3	ug/Kg		05/13/26 22:58	05/18/26 12:05	1
PCB-1242 (1C)	ND		17	5.3	ug/Kg		05/13/26 22:58	05/18/26 12:05	1
PCB-1248 (1C)	ND		17	5.3	ug/Kg		05/13/26 22:58	05/18/26 12:05	1
PCB-1254 (1C)	ND		17	6.4	ug/Kg		05/13/26 22:58	05/18/26 12:05	1
PCB-1260 (1C)	ND		17	6.4	ug/Kg		05/13/26 22:58	05/18/26 12:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr) (1C)	89		66 - 130	05/13/26 22:58	05/18/26 12:05	1
DCB Decachlorobiphenyl (Surr) (2C)	92		66 - 130	05/13/26 22:58	05/18/26 12:05	1
Tetrachloro-m-xylene (1C)	84		68 - 130	05/13/26 22:58	05/18/26 12:05	1
Tetrachloro-m-xylene (2C)	99		68 - 130	05/13/26 22:58	05/18/26 12:05	1

Lab Sample ID: LCS 410-817151/2-A

Matrix: Solid

Analysis Batch: 819256

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 817151

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016 (1C)	167	138		ug/Kg		83	68 - 121
PCB-1260 (1C)	167	131		ug/Kg		78	75 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr) (1C)	72		66 - 130
DCB Decachlorobiphenyl (Surr) (2C)	77		66 - 130
Tetrachloro-m-xylene (1C)	78		68 - 130
Tetrachloro-m-xylene (2C)	86		68 - 130

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Lab Sample ID: MB 410-816895/1-A

Matrix: Solid

Analysis Batch: 818683

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 816895

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.40	0.10	ng/g		05/13/26 14:12	05/16/26 12:12	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.10	ng/g		05/13/26 14:12	05/16/26 12:12	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.10	ng/g		05/13/26 14:12	05/16/26 12:12	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.10	ng/g		05/13/26 14:12	05/16/26 12:12	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.060	ng/g		05/13/26 14:12	05/16/26 12:12	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.10	ng/g		05/13/26 14:12	05/16/26 12:12	1
Perfluorodecanoic acid (PFDA)	0.0873	J B	0.20	0.060	ng/g		05/13/26 14:12	05/16/26 12:12	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.10	ng/g		05/13/26 14:12	05/16/26 12:12	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.10	ng/g		05/13/26 14:12	05/16/26 12:12	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.20	0.10	ng/g		05/13/26 14:12	05/16/26 12:12	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.10	ng/g		05/13/26 14:12	05/16/26 12:12	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.10	ng/g		05/13/26 14:12	05/16/26 12:12	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 410-816895/1-A

Matrix: Solid

Analysis Batch: 818683

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 816895

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.10	ng/g		05/13/26 14:12	05/16/26 12:12	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.10	ng/g		05/13/26 14:12	05/16/26 12:12	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.10	ng/g		05/13/26 14:12	05/16/26 12:12	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.10	ng/g		05/13/26 14:12	05/16/26 12:12	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.10	ng/g		05/13/26 14:12	05/16/26 12:12	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.10	ng/g		05/13/26 14:12	05/16/26 12:12	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.10	ng/g		05/13/26 14:12	05/16/26 12:12	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.40	0.20	ng/g		05/13/26 14:12	05/16/26 12:12	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.40	0.20	ng/g		05/13/26 14:12	05/16/26 12:12	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.40	0.20	ng/g		05/13/26 14:12	05/16/26 12:12	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.10	ng/g		05/13/26 14:12	05/16/26 12:12	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.101	J B	0.20	0.10	ng/g		05/13/26 14:12	05/16/26 12:12	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.10	ng/g		05/13/26 14:12	05/16/26 12:12	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.10	ng/g		05/13/26 14:12	05/16/26 12:12	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.10	ng/g		05/13/26 14:12	05/16/26 12:12	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	0.581	J B	1.0	0.50	ng/g		05/13/26 14:12	05/16/26 12:12	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	0.552	J B	1.0	0.50	ng/g		05/13/26 14:12	05/16/26 12:12	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.10	ng/g		05/13/26 14:12	05/16/26 12:12	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.10	ng/g		05/13/26 14:12	05/16/26 12:12	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.10	ng/g		05/13/26 14:12	05/16/26 12:12	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.10	ng/g		05/13/26 14:12	05/16/26 12:12	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.10	ng/g		05/13/26 14:12	05/16/26 12:12	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	ND		0.20	0.10	ng/g		05/13/26 14:12	05/16/26 12:12	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS)	ND		0.20	0.10	ng/g		05/13/26 14:12	05/16/26 12:12	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.20	0.10	ng/g		05/13/26 14:12	05/16/26 12:12	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.40	0.20	ng/g		05/13/26 14:12	05/16/26 12:12	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		1.0	0.50	ng/g		05/13/26 14:12	05/16/26 12:12	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		1.0	0.50	ng/g		05/13/26 14:12	05/16/26 12:12	1
Isotope Dilution	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	104		8 - 130				05/13/26 14:12	05/16/26 12:12	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 410-816895/1-A

Matrix: Solid

Analysis Batch: 816863

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 816895

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C5 PFPeA	100		35 - 130	05/13/26 14:12	05/16/26 12:12	1
13C5 PFHxA	101		40 - 130	05/13/26 14:12	05/16/26 12:12	1
13C4 PFHpA	96.5		40 - 130	05/13/26 14:12	05/16/26 12:12	1
13C8 PFOA	98.2		40 - 130	05/13/26 14:12	05/16/26 12:12	1
13C9 PFNA	95.5		40 - 130	05/13/26 14:12	05/16/26 12:12	1
13C6 PFDA	90.7		40 - 130	05/13/26 14:12	05/16/26 12:12	1
13C7 PFUnA	86.2		40 - 130	05/13/26 14:12	05/16/26 12:12	1
13C2 PFTeDA	73.5		20 - 130	05/13/26 14:12	05/16/26 12:12	1
13C3 PFBS	96.3		40 - 135	05/13/26 14:12	05/16/26 12:12	1
13C3 PFHxS	95.7		40 - 130	05/13/26 14:12	05/16/26 12:12	1
13C8 PFOS	96.4		40 - 130	05/13/26 14:12	05/16/26 12:12	1
13C8 FOSA	81.0		40 - 130	05/13/26 14:12	05/16/26 12:12	1
d3-NMeFOSAA	73.9		40 - 135	05/13/26 14:12	05/16/26 12:12	1
d5-NEtFOSAA	70.1		40 - 150	05/13/26 14:12	05/16/26 12:12	1
13C2 4:2 FTS	96.5		40 - 165	05/13/26 14:12	05/16/26 12:12	1
13C2 6:2 FTS	94.3		40 - 215	05/13/26 14:12	05/16/26 12:12	1
13C2 8:2 FTS	101		40 - 275	05/13/26 14:12	05/16/26 12:12	1
13C3 HFPO-DA	91.5		40 - 130	05/13/26 14:12	05/16/26 12:12	1
d7-N-MeFOSE-M	50.4		20 - 130	05/13/26 14:12	05/16/26 12:12	1
d9-N-EtFOSE-M	48.9		15 - 130	05/13/26 14:12	05/16/26 12:12	1
d5-NEtPFOSA	59.3		10 - 130	05/13/26 14:12	05/16/26 12:12	1
d3-NMePFOSA	63.7		10 - 130	05/13/26 14:12	05/16/26 12:12	1
13C2 PFDoA	83.7		40 - 130	05/13/26 14:12	05/16/26 12:12	1
13C3-PFDoS	72.0		20 - 150	05/13/26 14:12	05/16/26 12:12	1
13C3-3:3 FTCA	108		20 - 150	05/13/26 14:12	05/16/26 12:12	1
13C3-5:3 FTCA	91.5		20 - 150	05/13/26 14:12	05/16/26 12:12	1

Lab Sample ID: LCS 410-816895/2-A

Matrix: Solid

Analysis Batch: 816863

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 816895

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	5.00	4.44		ng/g		89	70 - 140
Perfluoropentanoic acid (PFPeA)	2.50	2.12		ng/g		85	60 - 150
Perfluorohexanoic acid (PFHxA)	2.50	2.05		ng/g		82	65 - 140
Perfluoroheptanoic acid (PFHpA)	2.50	2.20		ng/g		88	65 - 145
Perfluorooctanoic acid (PFOA)	2.50	2.07		ng/g		83	70 - 150
Perfluorononanoic acid (PFNA)	2.50	2.22		ng/g		89	70 - 155
Perfluorodecanoic acid (PFDA)	2.50	1.92		ng/g		77	70 - 155
Perfluoroundecanoic acid (PFUnA)	2.50	2.12		ng/g		85	70 - 155
Perfluorododecanoic acid (PFDoA)	2.50	2.23		ng/g		89	70 - 150
Perfluorotridecanoic acid (PFTTrDA)	2.50	2.13		ng/g		85	65 - 150
Perfluorotetradecanoic acid (PFTeDA)	2.50	2.43		ng/g		97	65 - 150
Perfluorobutanesulfonic acid (PFBS)	2.22	1.95		ng/g		88	65 - 145

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-816895/2-A

Matrix: Solid

Analysis Batch: 818683

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 816895

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoropentanesulfonic acid (PFPeS)	2.35	2.05		ng/g		87	55 - 160
Perfluorohexanesulfonic acid (PFHxS)	2.28	1.92		ng/g		84	60 - 150
Perfluoroheptanesulfonic acid (PFHpS)	2.39	2.04		ng/g		86	65 - 155
Perfluorooctanesulfonic acid (PFOS)	2.33	1.93		ng/g		83	65 - 160
Perfluorononanesulfonic acid (PFNS)	2.41	2.04		ng/g		85	55 - 140
Perfluorodecanesulfonic acid (PFDS)	2.41	2.01		ng/g		83	40 - 155
Perfluorododecanesulfonic acid (PFDoS)	2.43	2.09		ng/g		86	25 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	4.69	4.25		ng/g		91	60 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	4.76	3.98		ng/g		84	55 - 200
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	4.80	3.65		ng/g		76	70 - 150
Perfluorooctanesulfonamide (PFOSA)	2.50	2.05		ng/g		82	70 - 140
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.50	2.15		ng/g		86	70 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.50	2.12		ng/g		85	70 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.50	2.04		ng/g		82	65 - 155
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.50	1.99		ng/g		80	65 - 165
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	12.5	10.6		ng/g		85	70 - 140
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	12.5	10.1		ng/g		81	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	1.88	1.70		ng/g		90	70 - 145
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.37	2.02		ng/g		86	70 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.50	2.14		ng/g		85	30 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	2.50	2.05		ng/g		82	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.50	2.01		ng/g		80	60 - 155
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.34	1.97		ng/g		84	70 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.36	1.75		ng/g		74	45 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	2.23	1.90		ng/g		85	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	5.00	3.92		ng/g		78	45 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	12.5	10.2		ng/g		82	60 - 130

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-816895/2-A

Matrix: Solid

Analysis Batch: 818683

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 816895

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	12.5	8.66		ng/g		69	60 - 150
Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits				
13C4 PFBA	99.0		8 - 130				
13C5 PFPeA	95.3		35 - 130				
13C5 PFHxA	94.2		40 - 130				
13C4 PFHpA	87.3		40 - 130				
13C8 PFOA	90.6		40 - 130				
13C9 PFNA	88.9		40 - 130				
13C6 PFDA	88.1		40 - 130				
13C7 PFUnA	89.6		40 - 130				
13C2 PFTeDA	74.2		20 - 130				
13C3 PFBS	97.6		40 - 135				
13C3 PFHxS	94.5		40 - 130				
13C8 PFOS	94.4		40 - 130				
13C8 FOSA	83.1		40 - 130				
d3-NMeFOSAA	78.2		40 - 135				
d5-NEtFOSAA	73.9		40 - 150				
13C2 4:2 FTS	93.2		40 - 165				
13C2 6:2 FTS	99.5		40 - 215				
13C2 8:2 FTS	99.4		40 - 275				
13C3 HFPO-DA	89.3		40 - 130				
d7-N-MeFOSE-M	56.3		20 - 130				
d9-N-EtFOSE-M	56.5		15 - 130				
d5-NEtPFOSA	63.7		10 - 130				
d3-NMePFOSA	69.4		10 - 130				
13C2 PFDoA	86.6		40 - 130				
13C3-PFDoS	80.0		20 - 150				
13C3-3:3 FTCA	106		20 - 150				
13C3-5:3 FTCA	86.8		20 - 150				

Lab Sample ID: LLCS 410-816895/3-A

Matrix: Solid

Analysis Batch: 818683

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 816895

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	0.500	0.495		ng/g		99	70 - 140
Perfluoropentanoic acid (PFPeA)	0.250	0.221		ng/g		88	60 - 150
Perfluorohexanoic acid (PFHxA)	0.250	0.346		ng/g		139	65 - 140
Perfluoroheptanoic acid (PFHpA)	0.250	0.242		ng/g		97	65 - 145
Perfluorooctanoic acid (PFOA)	0.250	0.239		ng/g		96	70 - 150
Perfluorononanoic acid (PFNA)	0.250	0.244		ng/g		97	70 - 155
Perfluorodecanoic acid (PFDA)	0.250	0.245		ng/g		98	70 - 155
Perfluoroundecanoic acid (PFUnA)	0.250	0.232		ng/g		93	70 - 155
Perfluorododecanoic acid (PFDoA)	0.250	0.247		ng/g		99	70 - 150
Perfluorotridecanoic acid (PFTTrDA)	0.250	0.229		ng/g		92	65 - 150

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 410-816895/3-A

Matrix: Solid

Analysis Batch: 816863

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 816895

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorotetradecanoic acid (PFTeDA)	0.250	0.252		ng/g		101	65 - 150
Perfluorobutanesulfonic acid (PFBS)	0.222	0.211		ng/g		95	65 - 145
Perfluoropentanesulfonic acid (PFPeS)	0.235	0.226		ng/g		96	55 - 160
Perfluorohexanesulfonic acid (PFHxS)	0.228	0.227		ng/g		99	60 - 150
Perfluoroheptanesulfonic acid (PFHpS)	0.239	0.222		ng/g		93	65 - 155
Perfluorooctanesulfonic acid (PFOS)	0.233	0.273		ng/g		118	65 - 160
Perfluorononanesulfonic acid (PFNS)	0.241	0.218		ng/g		91	55 - 140
Perfluorodecanesulfonic acid (PFDS)	0.241	0.196	J	ng/g		81	40 - 155
Perfluorododecanesulfonic acid (PFDoS)	0.243	0.229		ng/g		95	25 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.469	0.503		ng/g		107	60 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.476	0.501		ng/g		105	55 - 200
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.480	0.508		ng/g		106	70 - 150
Perfluorooctanesulfonamide (PFOSA)	0.250	0.246		ng/g		98	70 - 140
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.250	0.243		ng/g		97	70 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.250	0.245		ng/g		98	70 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.250	0.263		ng/g		105	65 - 155
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.250	0.262		ng/g		105	65 - 165
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.25	1.15		ng/g		92	70 - 140
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.25	1.22		ng/g		97	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.188	0.161	J	ng/g		86	70 - 145
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.237	0.234		ng/g		99	70 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.250	0.245		ng/g		98	30 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.250	0.224		ng/g		89	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.250	0.202		ng/g		81	60 - 155
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	0.234	0.204		ng/g		87	70 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	0.236	0.179	J	ng/g		76	45 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	0.223	0.199	J	ng/g		89	70 - 140

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 410-816895/3-A

Matrix: Solid

Analysis Batch: 818683

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 816895

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.500	0.584		ng/g		117	45 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	1.25	1.32		ng/g		105	60 - 130
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	1.25	1.18		ng/g		94	60 - 150

Isotope Dilution	LLCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	103		8 - 130
13C5 PFPeA	95.8		35 - 130
13C5 PFHxA	97.1		40 - 130
13C4 PFHpA	93.0		40 - 130
13C8 PFOA	96.4		40 - 130
13C9 PFNA	95.7		40 - 130
13C6 PFDA	88.8		40 - 130
13C7 PFUnA	85.8		40 - 130
13C2 PFTeDA	73.7		20 - 130
13C3 PFBS	98.7		40 - 135
13C3 PFHxS	95.3		40 - 130
13C8 PFOS	93.1		40 - 130
13C8 FOSA	79.4		40 - 130
d3-NMeFOSAA	72.4		40 - 135
d5-NEtFOSAA	66.8		40 - 150
13C2 4:2 FTS	91.0		40 - 165
13C2 6:2 FTS	102		40 - 215
13C2 8:2 FTS	100		40 - 275
13C3 HFPO-DA	90.7		40 - 130
d7-N-MeFOSE-M	54.5		20 - 130
d9-N-EtFOSE-M	50.7		15 - 130
d5-NEtPFOSA	57.8		10 - 130
d3-NMePFOSA	63.2		10 - 130
13C2 PFDoA	79.3		40 - 130
13C3-PFDoS	75.3		20 - 150
13C3-3:3 FTCA	103		20 - 150
13C3-5:3 FTCA	86.1		20 - 150

Lab Sample ID: MB 410-820209/7-A

Matrix: Water

Analysis Batch: 820855

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 820209

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	ND		4.0	1.1	ng/L		05/19/26 14:17	05/21/26 02:52	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.60	ng/L		05/19/26 14:17	05/21/26 02:52	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.50	ng/L		05/19/26 14:17	05/21/26 02:52	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.80	ng/L		05/19/26 14:17	05/21/26 02:52	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.90	ng/L		05/19/26 14:17	05/21/26 02:52	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.50	ng/L		05/19/26 14:17	05/21/26 02:52	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.50	ng/L		05/19/26 14:17	05/21/26 02:52	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.50	ng/L		05/19/26 14:17	05/21/26 02:52	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.50	ng/L		05/19/26 14:17	05/21/26 02:52	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 410-820209/7-A

Matrix: Water

Analysis Batch: 820855

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 820209

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorotridecanoic acid (PFTTrDA)	ND		2.0	0.50	ng/L		05/19/26 14:17	05/21/26 02:52	1
Perfluorotetradecanoic acid (PFTeDA)	ND		2.0	0.50	ng/L		05/19/26 14:17	05/21/26 02:52	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.50	ng/L		05/19/26 14:17	05/21/26 02:52	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.50	ng/L		05/19/26 14:17	05/21/26 02:52	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.80	ng/L		05/19/26 14:17	05/21/26 02:52	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.50	ng/L		05/19/26 14:17	05/21/26 02:52	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	1.3	ng/L		05/19/26 14:17	05/21/26 02:52	1
Perfluorononanesulfonic acid (PFNS)	ND		2.0	0.50	ng/L		05/19/26 14:17	05/21/26 02:52	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.50	ng/L		05/19/26 14:17	05/21/26 02:52	1
Perfluorododecanesulfonic acid (PFDoS)	ND		2.0	0.60	ng/L		05/19/26 14:17	05/21/26 02:52	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		4.0	1.0	ng/L		05/19/26 14:17	05/21/26 02:52	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		4.0	1.0	ng/L		05/19/26 14:17	05/21/26 02:52	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		4.0	1.0	ng/L		05/19/26 14:17	05/21/26 02:52	1
Perfluorooctanesulfonamide (PFOSA)	ND		2.0	0.50	ng/L		05/19/26 14:17	05/21/26 02:52	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		2.0	0.50	ng/L		05/19/26 14:17	05/21/26 02:52	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		2.0	1.1	ng/L		05/19/26 14:17	05/21/26 02:52	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.0	0.50	ng/L		05/19/26 14:17	05/21/26 02:52	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.0	0.50	ng/L		05/19/26 14:17	05/21/26 02:52	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		10	4.0	ng/L		05/19/26 14:17	05/21/26 02:52	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		10	4.0	ng/L		05/19/26 14:17	05/21/26 02:52	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		2.0	1.4	ng/L		05/19/26 14:17	05/21/26 02:52	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.50	ng/L		05/19/26 14:17	05/21/26 02:52	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		2.0	0.50	ng/L		05/19/26 14:17	05/21/26 02:52	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		2.0	0.50	ng/L		05/19/26 14:17	05/21/26 02:52	1
Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		2.0	0.50	ng/L		05/19/26 14:17	05/21/26 02:52	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		2.0	0.50	ng/L		05/19/26 14:17	05/21/26 02:52	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		2.0	0.50	ng/L		05/19/26 14:17	05/21/26 02:52	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		2.0	0.50	ng/L		05/19/26 14:17	05/21/26 02:52	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		4.0	1.0	ng/L		05/19/26 14:17	05/21/26 02:52	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		10	2.8	ng/L		05/19/26 14:17	05/21/26 02:52	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		10	2.5	ng/L		05/19/26 14:17	05/21/26 02:52	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C4 PFBA	102		5 - 130	05/19/26 14:17	05/21/26 02:52	1
13C5 PFPeA	111		40 - 130	05/19/26 14:17	05/21/26 02:52	1
13C5 PFHxA	110		40 - 130	05/19/26 14:17	05/21/26 02:52	1
13C4 PFHpA	111		40 - 130	05/19/26 14:17	05/21/26 02:52	1
13C8 PFOA	102		40 - 130	05/19/26 14:17	05/21/26 02:52	1
13C9 PFNA	99.7		40 - 130	05/19/26 14:17	05/21/26 02:52	1
13C6 PFDA	92.3		40 - 130	05/19/26 14:17	05/21/26 02:52	1
13C7 PFUnA	93.9		30 - 130	05/19/26 14:17	05/21/26 02:52	1
13C2 PFTeDA	96.5		10 - 130	05/19/26 14:17	05/21/26 02:52	1
13C3 PFBS	92.3		40 - 135	05/19/26 14:17	05/21/26 02:52	1
13C3 PFHxS	90.8		40 - 130	05/19/26 14:17	05/21/26 02:52	1
13C8 PFOS	99.4		40 - 130	05/19/26 14:17	05/21/26 02:52	1
13C8 FOSA	108		40 - 130	05/19/26 14:17	05/21/26 02:52	1
d3-NMeFOSAA	114		40 - 170	05/19/26 14:17	05/21/26 02:52	1
d5-NEtFOSAA	105		25 - 135	05/19/26 14:17	05/21/26 02:52	1
13C2 4:2 FTS	123		40 - 200	05/19/26 14:17	05/21/26 02:52	1
13C2 6:2 FTS	124		40 - 200	05/19/26 14:17	05/21/26 02:52	1
13C2 8:2 FTS	115		40 - 300	05/19/26 14:17	05/21/26 02:52	1
13C3 HFPO-DA	93.9		40 - 130	05/19/26 14:17	05/21/26 02:52	1
d7-N-MeFOSE-M	64.6		10 - 130	05/19/26 14:17	05/21/26 02:52	1
d9-N-EtFOSE-M	56.7		10 - 130	05/19/26 14:17	05/21/26 02:52	1
d5-NEtPFOSA	71.8		10 - 130	05/19/26 14:17	05/21/26 02:52	1
d3-NMePFOSA	76.3		10 - 130	05/19/26 14:17	05/21/26 02:52	1
13C2 PFDoA	87.1		10 - 130	05/19/26 14:17	05/21/26 02:52	1
13C3-PFDoS	81.8		20 - 150	05/19/26 14:17	05/21/26 02:52	1
13C3-3:3 FTCA	165	*5+	20 - 150	05/19/26 14:17	05/21/26 02:52	1
13C3-5:3 FTCA	102		20 - 150	05/19/26 14:17	05/21/26 02:52	1

Lab Sample ID: LCS 410-820209/8-A

Matrix: Water

Analysis Batch: 820855

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 820209

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	80.0	70.8		ng/L		89	70 - 140
Perfluoropentanoic acid (PFPeA)	40.0	34.2		ng/L		85	65 - 135
Perfluorohexanoic acid (PFHxA)	40.0	34.4		ng/L		86	70 - 145
Perfluoroheptanoic acid (PFHpA)	40.0	37.4		ng/L		93	70 - 150
Perfluorooctanoic acid (PFOA)	40.0	36.3		ng/L		91	70 - 150
Perfluorononanoic acid (PFNA)	40.0	32.3		ng/L		81	70 - 150
Perfluorodecanoic acid (PFDA)	40.0	35.7		ng/L		89	70 - 140
Perfluoroundecanoic acid (PFUnA)	40.0	35.8		ng/L		90	70 - 145
Perfluorododecanoic acid (PFDoA)	40.0	34.8		ng/L		87	70 - 140
Perfluorotridecanoic acid (PFTTrDA)	40.0	33.1		ng/L		83	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	40.0	29.3		ng/L		73	60 - 140
Perfluorobutanesulfonic acid (PFBS)	35.5	31.9		ng/L		90	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	37.6	34.9		ng/L		93	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	36.5	30.3		ng/L		83	65 - 145

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-820209/8-A

Matrix: Water

Analysis Batch: 820855

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 820209

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroheptanesulfonic acid (PFHpS)	38.2	39.4		ng/L		103	70 - 150
Perfluorooctanesulfonic acid (PFOS)	37.2	36.4		ng/L		98	55 - 150
Perfluorononanesulfonic acid (PFNS)	38.5	36.9		ng/L		96	65 - 145
Perfluorodecanesulfonic acid (PFDS)	38.6	35.3		ng/L		92	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	38.8	32.0		ng/L		82	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	75.0	64.6		ng/L		86	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	76.2	65.2		ng/L		86	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	76.8	79.7		ng/L		104	60 - 150
Perfluorooctanesulfonamide (PFOSA)	40.0	34.5		ng/L		86	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	40.0	39.8		ng/L		99	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	40.0	37.9		ng/L		95	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	35.1		ng/L		88	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	35.1		ng/L		88	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	200	179		ng/L		89	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	200	168		ng/L		84	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	30.1	24.5		ng/L		82	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	32.7		ng/L		86	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	40.0	37.1		ng/L		93	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	40.0	34.6		ng/L		87	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	40.0	36.5		ng/L		91	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	37.4	36.1		ng/L		97	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	37.8	31.8		ng/L		84	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	35.7	27.8		ng/L		78	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	80.0	67.6		ng/L		84	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	200	190		ng/L		95	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	200	152		ng/L		76	50 - 145

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	107		5 - 130
13C5 PFPeA	105		40 - 130
13C5 PFHxA	101		40 - 130
13C4 PFHpA	90.9		40 - 130
13C8 PFOA	88.6		40 - 130
13C9 PFNA	92.5		40 - 130
13C6 PFDA	79.1		40 - 130
13C7 PFUnA	85.0		30 - 130
13C2 PFTeDA	69.2		10 - 130
13C3 PFBS	84.3		40 - 135
13C3 PFHxS	78.4		40 - 130
13C8 PFOS	80.6		40 - 130
13C8 FOSA	104		40 - 130
d3-NMeFOSAA	102		40 - 170
d5-NEtFOSAA	84.2		25 - 135
13C2 4:2 FTS	117		40 - 200
13C2 6:2 FTS	112		40 - 200
13C2 8:2 FTS	94.2		40 - 300
13C3 HFPO-DA	95.7		40 - 130
d7-N-MeFOSE-M	51.7		10 - 130
d9-N-EtFOSE-M	46.2		10 - 130
d5-NEtPFOSA	62.0		10 - 130
d3-NMePFOSA	65.5		10 - 130
13C2 PFDoA	71.2		10 - 130
13C3-PFDoS	67.2		20 - 150
13C3-3:3 FTCA	141		20 - 150
13C3-5:3 FTCA	97.8		20 - 150

Lab Sample ID: LCSD 410-820209/9-A

Matrix: Water

Analysis Batch: 820855

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 820209

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec		RPD	Limit
		Result	Qualifier				Limits	RPD		
Perfluorobutanoic acid (PFBA)	80.0	79.8		ng/L		100	70 - 140	12		30
Perfluoropentanoic acid (PFPeA)	40.0	36.3		ng/L		91	65 - 135	6		30
Perfluorohexanoic acid (PFHxA)	40.0	36.1		ng/L		90	70 - 145	5		30
Perfluoroheptanoic acid (PFHpA)	40.0	39.2		ng/L		98	70 - 150	5		30
Perfluorooctanoic acid (PFOA)	40.0	37.4		ng/L		93	70 - 150	3		30
Perfluorononanoic acid (PFNA)	40.0	34.7		ng/L		87	70 - 150	7		30
Perfluorodecanoic acid (PFDA)	40.0	35.1		ng/L		88	70 - 140	2		30
Perfluoroundecanoic acid (PFUnA)	40.0	38.2		ng/L		95	70 - 145	6		30
Perfluorododecanoic acid (PFDoA)	40.0	38.7		ng/L		97	70 - 140	11		30
Perfluorotridecanoic acid (PFTTrDA)	40.0	32.9		ng/L		82	65 - 140	1		30
Perfluorotetradecanoic acid (PFTeDA)	40.0	31.7		ng/L		79	60 - 140	8		30
Perfluorobutanesulfonic acid (PFBS)	35.5	32.6		ng/L		92	60 - 145	2		30
Perfluoropentanesulfonic acid (PFPeS)	37.6	36.9		ng/L		98	65 - 140	6		30
Perfluorohexanesulfonic acid (PFHxS)	36.5	32.0		ng/L		88	65 - 145	6		30

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCSD 410-820209/9-A

Matrix: Water

Analysis Batch: 820855

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 820209

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluoroheptanesulfonic acid (PFHpS)	38.2	37.8		ng/L		99	70 - 150	4	30
Perfluorooctanesulfonic acid (PFOS)	37.2	37.0		ng/L		100	55 - 150	2	30
Perfluorononanesulfonic acid (PFNS)	38.5	38.2		ng/L		99	65 - 145	3	30
Perfluorodecanesulfonic acid (PFDS)	38.6	37.1		ng/L		96	60 - 145	5	30
Perfluorododecanesulfonic acid (PFDoS)	38.8	33.3		ng/L		86	50 - 145	4	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	75.0	68.5		ng/L		91	70 - 145	6	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	76.2	67.9		ng/L		89	65 - 155	4	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	76.8	81.0		ng/L		106	60 - 150	2	30
Perfluorooctanesulfonamide (PFOSA)	40.0	35.5		ng/L		89	70 - 145	3	30
N-methylperfluorooctane sulfonamide (NMeFOSA)	40.0	40.2		ng/L		101	60 - 150	1	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	40.0	38.8		ng/L		97	65 - 145	2	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	36.6		ng/L		91	50 - 140	4	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	33.6		ng/L		84	70 - 145	4	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	200	181		ng/L		90	70 - 145	1	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	200	174		ng/L		87	70 - 135	4	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	30.1	28.9		ng/L		96	70 - 140	16	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	37.7		ng/L		100	65 - 145	14	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	40.0	40.7		ng/L		102	55 - 140	9	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	40.0	35.3		ng/L		88	60 - 150	2	30
Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)	40.0	34.9		ng/L		87	50 - 150	5	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	37.4	37.2		ng/L		100	70 - 155	3	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	37.8	34.3		ng/L		91	55 - 160	8	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	35.7	31.1		ng/L		87	70 - 140	11	30
3-Perfluoropropylpropanoic acid (3:3 FTCA)	80.0	74.8		ng/L		93	65 - 130	10	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)	200	186		ng/L		93	70 - 135	2	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	200	154		ng/L		77	50 - 145	1	30

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
13C4 PFBA	102		5 - 130
13C5 PFPeA	96.0		40 - 130
13C5 PFHxA	101		40 - 130
13C4 PFHpA	94.6		40 - 130
13C8 PFOA	93.1		40 - 130
13C9 PFNA	96.0		40 - 130
13C6 PFDA	89.4		40 - 130
13C7 PFUnA	93.6		30 - 130
13C2 PFTeDA	93.7		10 - 130
13C3 PFBS	86.8		40 - 135
13C3 PFHxS	82.9		40 - 130
13C8 PFOS	92.3		40 - 130
13C8 FOSA	103		40 - 130
d3-NMeFOSAA	109		40 - 170
d5-NEtFOSAA	96.6		25 - 135
13C2 4:2 FTS	102		40 - 200
13C2 6:2 FTS	106		40 - 200
13C2 8:2 FTS	99.3		40 - 300
13C3 HFPO-DA	86.5		40 - 130
d7-N-MeFOSE-M	74.5		10 - 130
d9-N-EtFOSE-M	68.9		10 - 130
d5-NEtPFOSA	69.2		10 - 130
d3-NMePFOSA	67.9		10 - 130
13C2 PFDoA	84.0		10 - 130
13C3-PFDoS	81.8		20 - 150
13C3-3:3 FTCA	141		20 - 150
13C3-5:3 FTCA	87.0		20 - 150

Lab Sample ID: LLCS 410-820209/10-A

Matrix: Water

Analysis Batch: 822677

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 820209

Analyte	Spike Added	LLCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Perfluorobutanoic acid (PFBA)	8.00	7.54		ng/L		94	70 - 140
Perfluoropentanoic acid (PFPeA)	4.00	4.21		ng/L		105	65 - 135
Perfluorohexanoic acid (PFHxA)	4.00	3.76		ng/L		94	70 - 145
Perfluoroheptanoic acid (PFHpA)	4.00	3.34		ng/L		84	70 - 150
Perfluorooctanoic acid (PFOA)	4.00	3.90		ng/L		97	70 - 150
Perfluorononanoic acid (PFNA)	4.00	3.82		ng/L		96	70 - 150
Perfluorodecanoic acid (PFDA)	4.00	3.88		ng/L		97	70 - 140
Perfluoroundecanoic acid (PFUnA)	4.00	3.75		ng/L		94	70 - 145
Perfluorododecanoic acid (PFDoA)	4.00	3.54		ng/L		88	70 - 140
Perfluorotridecanoic acid (PFTTrDA)	4.00	3.11		ng/L		78	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	4.00	3.39		ng/L		85	60 - 140
Perfluorobutanesulfonic acid (PFBS)	3.55	3.37		ng/L		95	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	3.76	3.45		ng/L		92	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	3.65	3.80		ng/L		104	65 - 145

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 410-820209/10-A

Matrix: Water

Analysis Batch: 822677

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 820209

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroheptanesulfonic acid (PFHpS)	3.82	4.18		ng/L		110	70 - 150
Perfluorooctanesulfonic acid (PFOS)	3.72	3.84		ng/L		103	55 - 150
Perfluorononanesulfonic acid (PFNS)	3.85	3.44		ng/L		89	65 - 145
Perfluorodecanesulfonic acid (PFDS)	3.86	3.24		ng/L		84	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	3.88	3.35		ng/L		86	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	7.50	7.24		ng/L		96	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	7.62	6.63		ng/L		87	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	7.68	7.27		ng/L		95	60 - 150
Perfluorooctanesulfonamide (PFOSA)	4.00	3.99		ng/L		100	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	4.00	4.17		ng/L		104	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	4.00	3.65		ng/L		91	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.00	4.06		ng/L		102	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.00	4.10		ng/L		102	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	20.0	19.7		ng/L		98	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	20.0	19.1		ng/L		95	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	3.01	3.21		ng/L		107	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.78	3.80		ng/L		100	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.00	4.22		ng/L		106	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.00	3.80		ng/L		95	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.00	3.09		ng/L		77	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	3.74	3.40		ng/L		91	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	3.78	3.00		ng/L		79	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	3.57	3.42		ng/L		96	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	8.00	7.89		ng/L		99	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	20.0	22.8		ng/L		114	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	20.0	13.9		ng/L		69	50 - 145

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	LLCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	81.5		5 - 130
13C5 PFPeA	73.2		40 - 130
13C5 PFHxA	75.2		40 - 130
13C4 PFHpA	77.1		40 - 130
13C8 PFOA	76.2		40 - 130
13C9 PFNA	76.8		40 - 130
13C6 PFDA	74.0		40 - 130
13C7 PFUnA	76.0		30 - 130
13C2 PFTeDA	71.5		10 - 130
13C3 PFBS	76.1		40 - 135
13C3 PFHxS	77.0		40 - 130
13C8 PFOS	74.9		40 - 130
13C8 FOSA	65.6		40 - 130
d3-NMeFOSAA	70.7		40 - 170
d5-NEtFOSAA	78.7		25 - 135
13C2 4:2 FTS	85.9		40 - 200
13C2 6:2 FTS	83.6		40 - 200
13C2 8:2 FTS	82.3		40 - 300
13C3 HFPO-DA	68.9		40 - 130
d7-N-MeFOSE-M	46.5		10 - 130
d9-N-EtFOSE-M	44.4		10 - 130
d5-NEtPFOSA	47.9		10 - 130
d3-NMePFOSA	46.5		10 - 130
13C2 PFDoA	73.1		10 - 130
13C3-PFDoS	63.2		20 - 150
13C3-3:3 FTCA	88.9		20 - 150
13C3-5:3 FTCA	54.3		20 - 150

Method: 8321B - Herbicides (LC/MS)

Lab Sample ID: MB 410-815241/1-A

Matrix: Water

Analysis Batch: 815294

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 815241

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
2,4,5-T	ND		0.10	0.040	ug/L		05/11/26 09:56	05/11/26 13:45	1
Silvex (2,4,5-TP)	ND		0.10	0.030	ug/L		05/11/26 09:56	05/11/26 13:45	1
2,4-D	ND		0.10	0.080	ug/L		05/11/26 09:56	05/11/26 13:45	1
2,4-DB	ND		0.40	0.13	ug/L		05/11/26 09:56	05/11/26 13:45	1
Dichlorprop	ND		0.10	0.040	ug/L		05/11/26 09:56	05/11/26 13:45	1
Dalapon	ND		0.20	0.090	ug/L		05/11/26 09:56	05/11/26 13:45	1
Dicamba	ND		0.40	0.20	ug/L		05/11/26 09:56	05/11/26 13:45	1
MCPP	ND		0.10	0.040	ug/L		05/11/26 09:56	05/11/26 13:45	1
MCPA	ND		0.10	0.030	ug/L		05/11/26 09:56	05/11/26 13:45	1
Pentachlorophenol	ND		0.10	0.030	ug/L		05/11/26 09:56	05/11/26 13:45	1
Surrogate	MB MB		Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
2,4-Dichlorophenylacetic acid (Surr)	99		70 - 130				05/11/26 09:56	05/11/26 13:45	1

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 8321B - Herbicides (LC/MS) (Continued)

Lab Sample ID: LCS 410-815241/2-A

Matrix: Water

Analysis Batch: 815294

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 815241

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,5-T	2.50	2.38		ug/L		95	70 - 130
Silvex (2,4,5-TP)	2.49	2.47		ug/L		99	70 - 130
2,4-D	2.50	2.43		ug/L		97	70 - 130
2,4-DB	2.50	2.45		ug/L		98	70 - 130
Dichlorprop	2.50	2.37		ug/L		95	70 - 130
Dalapon	2.50	2.58		ug/L		103	70 - 130
Dicamba	2.51	2.44		ug/L		97	70 - 130
MCPP	2.52	2.51		ug/L		100	70 - 130
MCPA	2.52	2.45		ug/L		97	70 - 130
Pentachlorophenol	2.51	2.27		ug/L		90	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid (Surr)	103		70 - 130

Lab Sample ID: MB 410-818337/1-A

Matrix: Solid

Analysis Batch: 818384

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 818337

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.00010	0.000030	mg/L		05/15/26 11:44	05/15/26 16:36	1
2,4-D	ND		0.00010	0.000080	mg/L		05/15/26 11:44	05/15/26 16:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr)	94		70 - 130	05/15/26 11:44	05/15/26 16:36	1

Lab Sample ID: LCS 410-818337/2-A

Matrix: Solid

Analysis Batch: 818384

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 818337

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silvex (2,4,5-TP)	0.00249	0.00273		mg/L		110	70 - 130
2,4-D	0.00250	0.00274		mg/L		110	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid (Surr)	95		70 - 130

Lab Sample ID: MB 410-818365/1-A

Matrix: Water

Analysis Batch: 818384

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 818365

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.00010	0.000030	mg/L		05/15/26 13:03	05/15/26 20:02	1
2,4-D	ND		0.00010	0.000080	mg/L		05/15/26 13:03	05/15/26 20:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr)	94		70 - 130	05/15/26 13:03	05/15/26 20:02	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 8321B - Herbicides (LC/MS)

Lab Sample ID: LCS 410-818365/2-A

Matrix: Water

Analysis Batch: 818384

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 818365

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silvex (2,4,5-TP)	0.00249	0.00252		mg/L		101	70 - 130
2,4-D	0.00250	0.00253		mg/L		101	70 - 130
Surrogate							
	%Recovery	Qualifier	Limits				
2,4-Dichlorophenylacetic acid (Surr)	94		70 - 130				

Lab Sample ID: LCSD 410-818365/3-A

Matrix: Water

Analysis Batch: 818384

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 818365

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Silvex (2,4,5-TP)	0.00249	0.00293		mg/L		118	70 - 130	15	30
2,4-D	0.00250	0.00300		mg/L		120	70 - 130	17	30
Surrogate									
	%Recovery	Qualifier	Limits						
2,4-Dichlorophenylacetic acid (Surr)	93		70 - 130						

Lab Sample ID: LB 410-815873/1-G

Matrix: Solid

Analysis Batch: 818384

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 818337

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.00010	0.000030	mg/L		05/15/26 11:44	05/15/26 18:54	1
2,4-D	ND		0.00010	0.000080	mg/L		05/15/26 11:44	05/15/26 18:54	1
Surrogate									
	%Recovery	Qualifier	Limits						
2,4-Dichlorophenylacetic acid (Surr)	98		70 - 130						

Lab Sample ID: 410-281507-1 MS

Matrix: Solid

Analysis Batch: 818384

Client Sample ID: BSWC

Prep Type: TCLP

Prep Batch: 818337

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Silvex (2,4,5-TP)	ND	FH cn	0.00249	0.00344	FH	mg/L		138	70 - 130
2,4-D	ND	FH cn	0.00250	0.00336	FH	mg/L		134	70 - 130
Surrogate									
	%Recovery	Qualifier	Limits						
2,4-Dichlorophenylacetic acid (Surr)	100		70 - 130						

Lab Sample ID: 410-281507-1 MSD

Matrix: Solid

Analysis Batch: 818384

Client Sample ID: BSWC

Prep Type: TCLP

Prep Batch: 818337

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Silvex (2,4,5-TP)	ND	FH cn	0.00249	0.00340	FH	mg/L		137	70 - 130	1	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 8321B - Herbicides (LC/MS) (Continued)

Lab Sample ID: 410-281507-1 MSD

Matrix: Solid

Analysis Batch: 818384

Client Sample ID: BTSWC

Prep Type: TCLP

Prep Batch: 818337

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-D	ND	FH cn	0.00250	0.00329	FH	mg/L		132	70 - 130	2	30
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
2,4-Dichlorophenylacetic acid (Surr)	101		70 - 130								

Lab Sample ID: LB 410-818071/1-E

Matrix: Water

Analysis Batch: 818384

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 818365

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.00010	0.000030	mg/L		05/15/26 13:03	05/15/26 20:32	1
2,4-D	ND		0.00010	0.000080	mg/L		05/15/26 13:03	05/15/26 20:32	1
Surrogate	LB %Recovery	LB Qualifier	Limits						
2,4-Dichlorophenylacetic acid (Surr)	95		70 - 130						
							Prepared	Analyzed	Dil Fac
							05/15/26 13:03	05/15/26 20:32	1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 410-817935/1-A

Matrix: Solid

Analysis Batch: 819743

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 817935

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.40	0.13	mg/Kg		05/18/26 14:00	05/18/26 20:21	2
Barium	ND		0.40	0.22	mg/Kg		05/18/26 14:00	05/18/26 20:21	2
Cadmium	ND		0.10	0.040	mg/Kg		05/18/26 14:00	05/18/26 20:21	2
Chromium	ND		0.40	0.38	mg/Kg		05/18/26 14:00	05/18/26 20:21	2
Lead	ND		0.20	0.076	mg/Kg		05/18/26 14:00	05/18/26 20:21	2
Selenium	ND		0.40	0.10	mg/Kg		05/18/26 14:00	05/18/26 20:21	2
Silver	ND		0.10	0.041	mg/Kg		05/18/26 14:00	05/18/26 20:21	2
Nickel	ND		0.40	0.19	mg/Kg		05/18/26 14:00	05/18/26 20:21	2
Copper	ND		0.40	0.18	mg/Kg		05/18/26 14:00	05/18/26 20:21	2
Zinc	ND		30	4.0	mg/Kg		05/18/26 14:00	05/18/26 20:21	2

Lab Sample ID: LCS 410-817935/2-A

Matrix: Solid

Analysis Batch: 819743

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 817935

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	50.0	49.5		mg/Kg		99	84 - 114
Barium	50.0	50.5		mg/Kg		101	85 - 118
Cadmium	5.00	5.05		mg/Kg		101	85 - 117
Chromium	50.0	48.8		mg/Kg		98	83 - 116
Lead	5.00	5.21		mg/Kg		104	85 - 119
Selenium	10.0	9.89		mg/Kg		99	83 - 115
Silver	5.00	5.22		mg/Kg		104	87 - 119
Nickel	50.0	49.3		mg/Kg		99	84 - 116
Copper	50.0	49.2		mg/Kg		98	83 - 115

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 410-817935/2-A

Matrix: Solid

Analysis Batch: 819743

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 817935

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Zinc	50.0	49.0		mg/Kg		98	84 - 116

Lab Sample ID: MB 410-817668/1-A

Matrix: Solid

Analysis Batch: 819751

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 817668

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.020	0.0068	mg/L		05/17/26 20:30	05/18/26 20:16	1
Barium	ND		0.020	0.0075	mg/L		05/17/26 20:30	05/18/26 20:16	1
Cadmium	ND		0.0050	0.0015	mg/L		05/17/26 20:30	05/18/26 20:16	1
Chromium	ND		0.020	0.0055	mg/L		05/17/26 20:30	05/18/26 20:16	1
Lead	ND		0.0050	0.0012	mg/L		05/17/26 20:30	05/18/26 20:16	1
Selenium	ND		0.010	0.0028	mg/L		05/17/26 20:30	05/18/26 20:16	1
Silver	ND		0.0050	0.0010	mg/L		05/17/26 20:30	05/18/26 20:16	1
Nickel	0.00422	J B	0.010	0.0040	mg/L		05/17/26 20:30	05/18/26 20:16	1
Copper	ND		0.010	0.0085	mg/L		05/17/26 20:30	05/18/26 20:16	1
Zinc	ND		0.10	0.040	mg/L		05/17/26 20:30	05/18/26 20:16	1

Lab Sample ID: LCS 410-817668/2-A

Matrix: Solid

Analysis Batch: 819751

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 817668

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	5.00	4.92		mg/L		98	86 - 111
Barium	5.00	5.02		mg/L		100	86 - 114
Cadmium	0.500	0.516		mg/L		103	86 - 114
Chromium	5.00	4.97		mg/L		99	84 - 113
Lead	0.500	0.512		mg/L		102	86 - 114
Selenium	1.00	1.02		mg/L		102	86 - 111
Silver	0.500	0.512		mg/L		102	88 - 116
Nickel	5.00	5.07		mg/L		101	85 - 113
Copper	5.00	5.11		mg/L		102	86 - 111
Zinc	5.00	5.07		mg/L		101	86 - 112

Lab Sample ID: MB 410-818392/1-A

Matrix: Water

Analysis Batch: 819762

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 818392

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.020	0.0068	mg/L		05/18/26 09:50	05/18/26 19:30	1
Barium	ND		0.020	0.0075	mg/L		05/18/26 09:50	05/18/26 19:30	1
Cadmium	ND		0.0050	0.0015	mg/L		05/18/26 09:50	05/18/26 19:30	1
Chromium	ND		0.020	0.0055	mg/L		05/18/26 09:50	05/18/26 19:30	1
Lead	ND		0.0050	0.0012	mg/L		05/18/26 09:50	05/18/26 19:30	1
Selenium	ND		0.010	0.0028	mg/L		05/18/26 09:50	05/18/26 19:30	1
Silver	ND		0.0050	0.0010	mg/L		05/18/26 09:50	05/18/26 19:30	1

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 410-818392/2-A

Matrix: Water

Analysis Batch: 819762

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 818392

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Arsenic	5.00	4.91		mg/L		98		86 - 111
Barium	5.00	5.25		mg/L		105		86 - 114
Cadmium	0.500	0.492		mg/L		98		86 - 114
Chromium	5.00	4.87		mg/L		97		84 - 113
Lead	0.500	0.516		mg/L		103		86 - 114
Selenium	1.00	1.02		mg/L		102		86 - 111
Silver	0.500	0.493		mg/L		99		88 - 116

Lab Sample ID: MB 410-820491/1-A

Matrix: Water

Analysis Batch: 821065

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 820491

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	ND		0.0020	0.00068	mg/L		05/19/26 22:00	05/20/26 09:33	1
Barium	ND		0.0020	0.00075	mg/L		05/19/26 22:00	05/20/26 09:33	1
Cadmium	ND		0.00050	0.00015	mg/L		05/19/26 22:00	05/20/26 09:33	1
Chromium	ND		0.0020	0.00055	mg/L		05/19/26 22:00	05/20/26 09:33	1
Lead	ND		0.00050	0.00012	mg/L		05/19/26 22:00	05/20/26 09:33	1
Selenium	ND		0.0010	0.00028	mg/L		05/19/26 22:00	05/20/26 09:33	1
Silver	ND		0.00050	0.00010	mg/L		05/19/26 22:00	05/20/26 09:33	1
Nickel	ND		0.0010	0.00040	mg/L		05/19/26 22:00	05/20/26 09:33	1
Copper	ND		0.0010	0.00085	mg/L		05/19/26 22:00	05/20/26 09:33	1
Zinc	ND		0.010	0.0040	mg/L		05/19/26 22:00	05/20/26 09:33	1

Lab Sample ID: LCS 410-820491/2-A

Matrix: Water

Analysis Batch: 821065

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 820491

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Arsenic	0.500	0.513		mg/L		103		86 - 111
Barium	0.500	0.487		mg/L		97		86 - 114
Cadmium	0.0500	0.0490		mg/L		98		86 - 114
Chromium	0.500	0.487		mg/L		97		84 - 113
Lead	0.0500	0.0513		mg/L		103		86 - 114
Selenium	0.100	0.102		mg/L		102		86 - 111
Silver	0.0500	0.0525		mg/L		105		88 - 116
Nickel	0.500	0.489		mg/L		98		85 - 113
Copper	0.500	0.503		mg/L		101		86 - 111
Zinc	0.500	0.486		mg/L		97		86 - 112

Lab Sample ID: 410-281507-1 MS

Matrix: Solid

Analysis Batch: 819751

Client Sample ID: BTSWC

Prep Type: TCLP

Prep Batch: 817668

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Arsenic	ND		5.00	4.38		mg/L		88		75 - 125
Barium	0.49	B cn	100	86.5		mg/L		86		75 - 125
Cadmium	0.0024	J	1.00	0.880		mg/L		88		75 - 125
Chromium	ND		5.00	4.36		mg/L		87		75 - 125

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 410-281507-1 MS

Matrix: Solid

Analysis Batch: 819751

Client Sample ID: BTSCW

Prep Type: TCLP

Prep Batch: 817668

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	0.016		5.00	4.55		mg/L		91	75 - 125
Selenium	ND		1.00	0.930		mg/L		93	75 - 125
Silver	ND		5.00	4.09		mg/L		82	75 - 125
Nickel	0.31	B cn	5.00	4.95		mg/L		93	75 - 125
Copper	0.035		5.00	4.69		mg/L		93	75 - 125
Zinc	0.16		5.00	4.58		mg/L		88	75 - 125

Lab Sample ID: 410-281507-1 MSD

Matrix: Solid

Analysis Batch: 819751

Client Sample ID: BTSCW

Prep Type: TCLP

Prep Batch: 817668

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	ND		5.00	4.43		mg/L		89	75 - 125	1	20
Barium	0.49	B cn	100	85.9		mg/L		85	75 - 125	1	20
Cadmium	0.0024	J	1.00	0.897		mg/L		89	75 - 125	2	20
Chromium	ND		5.00	4.37		mg/L		87	75 - 125	0	20
Lead	0.016		5.00	4.57		mg/L		91	75 - 125	0	20
Selenium	ND		1.00	0.930		mg/L		93	75 - 125	0	20
Silver	ND		5.00	4.08		mg/L		82	75 - 125	0	20
Nickel	0.31	B cn	5.00	4.97		mg/L		93	75 - 125	0	20
Copper	0.035		5.00	4.69		mg/L		93	75 - 125	0	20
Zinc	0.16		5.00	4.67		mg/L		90	75 - 125	2	20

Lab Sample ID: 410-281507-1 DU

Matrix: Solid

Analysis Batch: 819751

Client Sample ID: BTSCW

Prep Type: TCLP

Prep Batch: 817668

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	ND		ND		mg/L		NC	20
Barium	0.49	B cn	0.504	B	mg/L		2	20
Cadmium	0.0024	J	0.00211	J	mg/L		12	20
Chromium	ND		ND		mg/L		NC	20
Lead	0.016		0.0164		mg/L		0.4	20
Selenium	ND		ND		mg/L		NC	20
Silver	ND		ND		mg/L		NC	20
Nickel	0.31	B cn	0.308	B	mg/L		0.1	20
Copper	0.035		0.0350		mg/L		1	20
Zinc	0.16		0.164		mg/L		0.3	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 410-817674/1-A

Matrix: Solid

Analysis Batch: 818000

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 817674

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000087	mg/L		05/14/26 18:02	05/14/26 23:21	1

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 410-817674/2-A

Matrix: Solid

Analysis Batch: 818000

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 817674

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00100	0.000944		mg/L		94	80 - 120

Lab Sample ID: MB 410-818396/1-A

Matrix: Water

Analysis Batch: 821373

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 818396

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000087	mg/L		05/20/26 09:00	05/20/26 19:47	1

Lab Sample ID: LCS 410-818396/2-A

Matrix: Water

Analysis Batch: 821373

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 818396

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00100	0.000993		mg/L		99	80 - 120

Lab Sample ID: MB 410-818834/1-A

Matrix: Water

Analysis Batch: 819757

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 818834

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000087	mg/L		05/18/26 18:01	05/18/26 22:34	1

Lab Sample ID: LCS 410-818834/2-A

Matrix: Water

Analysis Batch: 819757

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 818834

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00100	0.000903		mg/L		90	80 - 120

Lab Sample ID: 410-281507-1 MS

Matrix: Solid

Analysis Batch: 818000

Client Sample ID: BTSWC

Prep Type: TCLP

Prep Batch: 817674

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND	FL	0.0200	0.0101	FL	mg/L		50	80 - 120

Lab Sample ID: 410-281507-1 MSD

Matrix: Solid

Analysis Batch: 818000

Client Sample ID: BTSWC

Prep Type: TCLP

Prep Batch: 817674

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND	FL	0.0200	0.0101	FL	mg/L		50	80 - 120	0	20

Lab Sample ID: 410-281507-1 DU

Matrix: Solid

Analysis Batch: 818000

Client Sample ID: BTSWC

Prep Type: TCLP

Prep Batch: 817674

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	ND	FL	ND		mg/L		NC	20

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 410-816213/1-A

Matrix: Solid

Analysis Batch: 817946

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 816213

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.060	0.020	mg/Kg		05/14/26 14:00	05/14/26 18:13	1

Lab Sample ID: LCS 410-816213/2-A

Matrix: Solid

Analysis Batch: 817946

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 816213

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.167	0.169		mg/Kg		102	80 - 120

Method: 1010B - Ignitability, Pensky-Martens Closed-Cup Method

Lab Sample ID: LCS 410-821175/1

Matrix: Solid

Analysis Batch: 821175

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Flashpoint	127	129		Degrees F		102	90 - 110
Ignitability (Flash Point)	127	129		Degrees F		102	90 - 110

Lab Sample ID: LCSD 410-821175/2

Matrix: Solid

Analysis Batch: 821175

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Flashpoint	127	125		Degrees F		98	90 - 110	3	4
Ignitability (Flash Point)	127	125		Degrees F		98	90 - 110	3	4

Method: 1664B - HEM and SGT-HEM

Lab Sample ID: MB 410-820139/1

Matrix: Solid

Analysis Batch: 820139

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease)	ND		5.0	1.4	mg/L			05/19/26 12:01	1
SGT-HEM (TPH)	ND		5.0	1.4	mg/L			05/19/26 12:01	1

Lab Sample ID: LCS 410-820139/2

Matrix: Solid

Analysis Batch: 820139

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
HEM (Oil & Grease)	40.0	34.6		mg/L		87	78 - 114
SGT-HEM (TPH)	20.0	13.0		mg/L		65	64 - 132

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 1664B - HEM and SGT-HEM (Continued)

Lab Sample ID: LCSD 410-820139/3

Matrix: Solid

Analysis Batch: 820139

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
HEM (Oil & Grease)	40.0	34.7		mg/L		87	78 - 114	0	13
SGT-HEM (TPH)	20.0	14.2		mg/L		71	64 - 132	9	23

Lab Sample ID: MB 410-820482/1

Matrix: Water

Analysis Batch: 820482

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease)	ND		5.0	1.4	mg/L			05/19/26 20:35	1
SGT-HEM (TPH)	ND		5.0	1.4	mg/L			05/19/26 20:35	1

Lab Sample ID: LCS 410-820482/2

Matrix: Water

Analysis Batch: 820482

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
HEM (Oil & Grease)	40.0	34.6		mg/L		86	78 - 114
SGT-HEM (TPH)	20.0	14.6		mg/L		73	64 - 132

Lab Sample ID: LCSD 410-820482/3

Matrix: Water

Analysis Batch: 820482

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
HEM (Oil & Grease)	40.0	38.8		mg/L		97	78 - 114	11	13
SGT-HEM (TPH)	20.0	13.7		mg/L		69	64 - 132	6	23

Lab Sample ID: LB 410-815887/1-A

Matrix: Solid

Analysis Batch: 820139

Client Sample ID: Method Blank

Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease)	ND		5.2	1.5	mg/L			05/19/26 12:01	1
SGT-HEM (TPH)	ND		5.2	1.5	mg/L			05/19/26 12:01	1

Method: 2540B-2015 - Solids, Total

Lab Sample ID: MB 410-815761/1

Matrix: Water

Analysis Batch: 815761

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Solids	ND		42	18	mg/L			05/12/26 06:22	1

Lab Sample ID: LCS 410-815761/2

Matrix: Water

Analysis Batch: 815761

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Solids	200	192		mg/L		96	90 - 110

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 2540B-2015 - Solids, Total (Continued)

Lab Sample ID: LCSD 410-815761/3

Matrix: Water

Analysis Batch: 815761

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Solids	200	202		mg/L		101	90 - 110	5	10

Method: 2540E-2015 - Solids, Volatile and Fixed (VS)

Lab Sample ID: MB 410-816527/1

Matrix: Water

Analysis Batch: 816527

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Volatile Solids	ND		42	14	mg/L			05/12/26 06:22	1

Lab Sample ID: LCS 410-816527/4

Matrix: Water

Analysis Batch: 816527

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Volatile Solids	193	181		mg/L		94	68 - 132		

Method: 2540G-2015 - Total, Fixed, and Volatile Solids

Lab Sample ID: LCS 410-815295/2

Matrix: Solid

Analysis Batch: 815295

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Volatile Solids	15.0	14.5		%		97	94 - 108		

Method: 410.4 - COD

Lab Sample ID: MB 410-821136/36

Matrix: Water

Analysis Batch: 821136

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		75	25	mg/L			05/20/26 12:13	1

Lab Sample ID: MB 410-821136/4

Matrix: Water

Analysis Batch: 821136

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		75	25	mg/L			05/20/26 10:14	1

Lab Sample ID: LCS 410-821136/37

Matrix: Water

Analysis Batch: 821136

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chemical Oxygen Demand	500	497		mg/L		99	90 - 110		

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 410.4 - COD (Continued)

Lab Sample ID: LCS 410-821136/5

Matrix: Water

Analysis Batch: 821136

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	500	507		mg/L		101	90 - 110

Lab Sample ID: LB 410-815887/1-B

Matrix: Solid

Analysis Batch: 819930

Client Sample ID: Method Blank

Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	36.5	J B	75	25	mg/L			05/19/26 07:51	1

Method: 9012 - Cyanide, Reactive

Lab Sample ID: MB 410-820412/1-A

Matrix: Solid

Analysis Batch: 821185

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 820412

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		90	20	mg/Kg		05/19/26 18:21	05/20/26 15:28	1

Lab Sample ID: LCS 410-820412/2-A

Matrix: Solid

Analysis Batch: 821185

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 820412

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Reactive	1000	ND		mg/Kg		3	0 - 5.14

Lab Sample ID: 410-281507-2 MS

Matrix: Water

Analysis Batch: 821185

Client Sample ID: BTWWC

Prep Type: Total/NA

Prep Batch: 820412

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Reactive	ND	F2	1000	21.1	J	mg/Kg		2	0 - 44

Lab Sample ID: 410-281507-2 MSD

Matrix: Water

Analysis Batch: 821185

Client Sample ID: BTWWC

Prep Type: Total/NA

Prep Batch: 820412

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Reactive	ND	F2	1000	31.3	J F2	mg/Kg		3	0 - 44	39	11

Method: 9020B - Organic Halides, Total (TOX)

Lab Sample ID: MB 410-822088/1-A

Matrix: Water

Analysis Batch: 822744

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 822088

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Total Organic	ND		15	10	ug/L		05/21/26 13:00	05/22/26 11:16	1
TOX Result 1	ND		15	10	ug/L		05/21/26 13:00	05/22/26 11:16	1
TOX Result 2	ND		15	10	ug/L		05/21/26 13:00	05/22/26 11:16	1

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 9020B - Organic Halides, Total (TOX) (Continued)

Lab Sample ID: LCS 410-822088/3-A

Matrix: Water

Analysis Batch: 822744

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 822088

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Halogens, Total Organic	404	386		ug/L		95	90 - 110

Lab Sample ID: LCSD 410-822088/6-A

Matrix: Water

Analysis Batch: 822744

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 822088

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Halogens, Total Organic	404	379		ug/L		94	90 - 110	2	20

Method: 9023 - Organic Halides, Extractable (EOX)

Lab Sample ID: MB 410-817162/1-A

Matrix: Solid

Analysis Batch: 817431

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 817162

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Extractable Organic	ND		99	50	ug/g		05/13/26 10:00	05/13/26 20:03	1

Lab Sample ID: LCS 410-817162/2-A

Matrix: Solid

Analysis Batch: 817431

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 817162

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Halogens, Extractable Organic	1810	1690		ug/g		93	70 - 130

Lab Sample ID: LCSD 410-817162/3-A

Matrix: Solid

Analysis Batch: 817431

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 817162

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Halogens, Extractable Organic	1860	1820		ug/g		98	70 - 130	7	30

Method: 9034 - Sulfide, Reactive

Lab Sample ID: MB 410-820412/1-A

Matrix: Solid

Analysis Batch: 820510

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 820412

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	ND		160	54	mg/Kg		05/19/26 18:21	05/19/26 21:36	1

Lab Sample ID: LCS 410-820412/25-A

Matrix: Solid

Analysis Batch: 820510

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 820412

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide, Reactive	539	509		mg/Kg		94	54 - 104

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 9034 - Sulfide, Reactive (Continued)

Lab Sample ID: 410-281507-2 MS

Matrix: Water

Analysis Batch: 820510

Client Sample ID: BTWWC

Prep Type: Total/NA

Prep Batch: 820412

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide, Reactive	ND		539	548		mg/Kg		102	62 - 104

Lab Sample ID: 410-281507-2 MSD

Matrix: Water

Analysis Batch: 820510

Client Sample ID: BTWWC

Prep Type: Total/NA

Prep Batch: 820412

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide, Reactive	ND		539	489		mg/Kg		91	62 - 104	11	21

Method: 9040C - pH

Lab Sample ID: LCS 410-817735/1

Matrix: Water

Analysis Batch: 817735

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH	7.00	7.2		S.U.		102	95 - 105

Method: 9045D - pH

Lab Sample ID: LCS 410-820805/1-A

Matrix: Solid

Analysis Batch: 821232

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH	7.00	7.0		S.U.		100	95 - 105

Lab Sample ID: 410-281507-1 DU

Matrix: Solid

Analysis Batch: 821232

Client Sample ID: BSWC

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	7.6		7.7		S.U.		0.5	3
Temperature	22.6		22.9		Degrees C		1	3
Corrosivity	NO		NO		NONE		NaN	3

Method: 9071B - HEM and SGT-HEM

Lab Sample ID: MB 410-820290/1-A

Matrix: Solid

Analysis Batch: 820914

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 820290

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease)	ND		600	200	mg/Kg		05/19/26 15:43	05/20/26 11:40	1
SGT-HEM (TPH)	ND		300	100	mg/Kg		05/19/26 15:43	05/20/26 11:40	1

QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: 9071B - HEM and SGT-HEM (Continued)

Lab Sample ID: LCS 410-820290/2-A

Matrix: Solid

Analysis Batch: 820914

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 820290

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
HEM (Oil & Grease)	4970	4700		mg/Kg		94	89 - 113
SGT-HEM (TPH)	2490	2250		mg/Kg		91	73 - 114

Method: 9095B - Paint Filter

Lab Sample ID: MB 410-819233/1

Matrix: Solid

Analysis Batch: 819233

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Presence of Free Liquid	No				No Unit			05/18/26 09:00	1

Method: D4981 - Screening of Oxidizers

Lab Sample ID: MB 480-775528/1

Matrix: Solid

Analysis Batch: 775528

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Screening of Oxidizers	neg				NONE			05/14/26 09:01	1

Lab Sample ID: 410-281507-2 DU

Matrix: Water

Analysis Batch: 775528

Client Sample ID: BTWWC

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	Prepared	RPD	Limit
Screening of Oxidizers	neg		neg		NONE			NC	

Method: EPA 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 410-817170/92

Matrix: Solid

Analysis Batch: 817170

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		0.10	0.050	mg/L			05/13/26 19:28	1

Lab Sample ID: LCS 410-817170/93

Matrix: Solid

Analysis Batch: 817170

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia as N	2.00	2.01		mg/L		100	90 - 110

Lab Sample ID: LCSD 410-817170/94

Matrix: Solid

Analysis Batch: 817170

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Ammonia as N	2.00	1.95		mg/L		97	90 - 110	3	15

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QC Sample Results

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method: EPA 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: MB 410-821210/17

Matrix: Water

Analysis Batch: 821210

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		0.10	0.050	mg/L			05/20/26 13:57	1

Lab Sample ID: LCS 410-821210/15

Matrix: Water

Analysis Batch: 821210

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia as N	2.00	2.04		mg/L		102	90 - 110

Lab Sample ID: LCSD 410-821210/16

Matrix: Water

Analysis Batch: 821210

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia as N	2.00	2.04		mg/L		102	90 - 110	0	15

Lab Sample ID: LB 410-815887/1-C

Matrix: Solid

Analysis Batch: 817170

Client Sample ID: Method Blank

Prep Type: ASTM Leach

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		0.10	0.050	mg/L			05/13/26 19:35	1

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

GC/MS VOA

Prep Batch: 815200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	Total/NA	Solid	5035	

Leach Batch: 815925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	TCLP	Solid	1311	
410-281507-1 MS	BTSWC	TCLP	Solid	1311	
410-281507-1 MSD	BTSWC	TCLP	Solid	1311	

Leach Batch: 816669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-2	BTWWC	TCLP	Water	1311	

Analysis Batch: 817310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	Total/NA	Solid	8260D	815200
MB 410-817310/7	Method Blank	Total/NA	Solid	8260D	
LCS 410-817310/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 410-817310/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 819112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-2	BTWWC	Total/NA	Water	8260D	
410-281507-3	Trip Blank	Total/NA	Water	8260D	
MB 410-819112/10	Method Blank	Total/NA	Water	8260D	
LCS 410-819112/63	Lab Control Sample	Total/NA	Water	8260D	
410-281507-2 MS	BTWWC	Total/NA	Water	8260D	
410-281507-2 MSD	BTWWC	Total/NA	Water	8260D	

Analysis Batch: 822101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	TCLP	Solid	8260D	815925
410-281507-2	BTWWC	TCLP	Water	8260D	816669
MB 410-822101/6	Method Blank	Total/NA	Solid	8260D	
LCS 410-822101/5	Lab Control Sample	Total/NA	Solid	8260D	
410-281507-1 MS	BTSWC	TCLP	Solid	8260D	815925
410-281507-1 MSD	BTSWC	TCLP	Solid	8260D	815925

GC/MS Semi VOA

Leach Batch: 815873

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	TCLP	Solid	1311	
410-281507-1 MS	BTSWC	TCLP	Solid	1311	
410-281507-1 MSD	BTSWC	TCLP	Solid	1311	

Prep Batch: 815929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-2	BTWWC	Total/NA	Water	3511	
MB 410-815929/1-A	Method Blank	Total/NA	Water	3511	
LCS 410-815929/2-A	Lab Control Sample	Total/NA	Water	3511	

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

GC/MS Semi VOA

Prep Batch: 816403

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	Total/NA	Solid	3546	
MB 410-816403/1-A	Method Blank	Total/NA	Solid	3546	
LCS 410-816403/2-A	Lab Control Sample	Total/NA	Solid	3546	

Analysis Batch: 817897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-816403/1-A	Method Blank	Total/NA	Solid	8270E	816403
LCS 410-816403/2-A	Lab Control Sample	Total/NA	Solid	8270E	816403

Leach Batch: 818071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-2	BTWWC	TCLP	Water	1311	

Prep Batch: 818150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	TCLP	Solid	3510C	815873
MB 410-818150/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 410-818150/4-A	Lab Control Sample	Total/NA	Solid	3510C	
410-281507-1 MS	BTSWC	TCLP	Solid	3510C	815873
410-281507-1 MSD	BTSWC	TCLP	Solid	3510C	815873

Analysis Batch: 818565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	TCLP	Solid	8270E	818150
MB 410-818150/1-A	Method Blank	Total/NA	Solid	8270E	818150
LCS 410-818150/4-A	Lab Control Sample	Total/NA	Solid	8270E	818150
410-281507-1 MS	BTSWC	TCLP	Solid	8270E	818150
410-281507-1 MSD	BTSWC	TCLP	Solid	8270E	818150

Prep Batch: 818955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-2	BTWWC	TCLP	Water	3510C	818071
MB 410-818955/2-A	Method Blank	Total/NA	Water	3510C	
LCS 410-818955/3-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 819154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-2	BTWWC	TCLP	Water	8270E	818955
MB 410-818955/2-A	Method Blank	Total/NA	Water	8270E	818955
LCS 410-818955/3-A	Lab Control Sample	Total/NA	Water	8270E	818955

Analysis Batch: 819602

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-2	BTWWC	Total/NA	Water	8270E	815929

Analysis Batch: 819605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 410-815929/2-A	Lab Control Sample	Total/NA	Water	8270E	815929

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

GC/MS Semi VOA

Analysis Batch: 820286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-2	BTWWC	Total/NA	Water	8270E	815929
MB 410-815929/1-A	Method Blank	Total/NA	Water	8270E	815929

Analysis Batch: 820458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	Total/NA	Solid	8270E	816403

Analysis Batch: 822022

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	Total/NA	Solid	8270E	816403

GC VOA

Analysis Batch: 816542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-2	BTWWC	Total/NA	Water	8015D	
MB 410-816542/5	Method Blank	Total/NA	Water	8015D	
LCS 410-816542/6	Lab Control Sample	Total/NA	Water	8015D	
LCSD 410-816542/7	Lab Control Sample Dup	Total/NA	Water	8015D	

Prep Batch: 817715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	Total/NA	Solid	5030C	

Analysis Batch: 818205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	Total/NA	Solid	8015D	817715
MB 410-818205/5	Method Blank	Total/NA	Solid	8015D	
LCS 410-818205/6	Lab Control Sample	Total/NA	Solid	8015D	
LCSD 410-818205/7	Lab Control Sample Dup	Total/NA	Solid	8015D	

GC Semi VOA

Prep Batch: 815512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-2	BTWWC	Total/NA	Water	3511	
MB 410-815512/1-A	Method Blank	Total/NA	Water	3511	
LCS 410-815512/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 410-815512/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

Prep Batch: 815559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-2	BTWWC	Total/NA	Water	3510C	
MB 410-815559/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-815559/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 410-815559/5-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-815559/6-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 815736

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-2	BTWWC	Total/NA	Water	3511	
MB 410-815736/1-A	Method Blank	Total/NA	Water	3511	

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

GC Semi VOA (Continued)

Prep Batch: 815736 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 410-815736/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 410-815736/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 815748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-2	BTWWC	Total/NA	Water	8081B	815559
MB 410-815559/1-A	Method Blank	Total/NA	Water	8081B	815559
LCS 410-815559/2-A	Lab Control Sample	Total/NA	Water	8081B	815559
LCS 410-815559/5-A	Lab Control Sample	Total/NA	Water	8081B	815559
LCSD 410-815559/6-A	Lab Control Sample Dup	Total/NA	Water	8081B	815559

Leach Batch: 815873

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	TCLP	Solid	1311	
410-281507-1 MS	BTSWC	TCLP	Solid	1311	
410-281507-1 MSD	BTSWC	TCLP	Solid	1311	

Analysis Batch: 815937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-2	BTWWC	Total/NA	Water	8082A	815512
MB 410-815512/1-A	Method Blank	Total/NA	Water	8082A	815512
LCS 410-815512/2-A	Lab Control Sample	Total/NA	Water	8082A	815512
LCSD 410-815512/3-A	Lab Control Sample Dup	Total/NA	Water	8082A	815512

Analysis Batch: 816385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-815736/1-A	Method Blank	Total/NA	Water	8015D	815736
LCS 410-815736/2-A	Lab Control Sample	Total/NA	Water	8015D	815736
LCSD 410-815736/3-A	Lab Control Sample Dup	Total/NA	Water	8015D	815736

Analysis Batch: 816388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-2	BTWWC	Total/NA	Water	8015D	815736

Prep Batch: 817151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	Total/NA	Solid	3546	
MB 410-817151/1-A	Method Blank	Total/NA	Solid	3546	
LCS 410-817151/2-A	Lab Control Sample	Total/NA	Solid	3546	

Leach Batch: 818071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-2	BTWWC	TCLP	Water	1311	

Prep Batch: 818128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	TCLP	Solid	3510C	815873
MB 410-818128/1-A	Method Blank	Total/NA	Solid	3510C	
MB 410-818128/2-A	Method Blank	Total/NA	Solid	3510C	
LCS 410-818128/3-A	Lab Control Sample	Total/NA	Solid	3510C	
410-281507-1 MS	BTSWC	TCLP	Solid	3510C	815873

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QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

GC Semi VOA (Continued)

Prep Batch: 818128 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1 MSD	BTSWC	TCLP	Solid	3510C	815873

Analysis Batch: 818775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	TCLP	Solid	8081B	818128
MB 410-818128/1-A	Method Blank	Total/NA	Solid	8081B	818128
MB 410-818128/2-A	Method Blank	Total/NA	Solid	8081B	818128
LCS 410-818128/3-A	Lab Control Sample	Total/NA	Solid	8081B	818128
410-281507-1 MS	BTSWC	TCLP	Solid	8081B	818128
410-281507-1 MSD	BTSWC	TCLP	Solid	8081B	818128

Prep Batch: 818976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-2	BTWWC	TCLP	Water	3510C	818071
MB 410-818976/1-A	Method Blank	Total/NA	Water	3510C	
MB 410-818976/2-A	Method Blank	Total/NA	Water	3510C	
LCS 410-818976/3-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 819061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-2	BTWWC	TCLP	Water	8081B	818976
MB 410-818976/1-A	Method Blank	Total/NA	Water	8081B	818976
MB 410-818976/2-A	Method Blank	Total/NA	Water	8081B	818976
LCS 410-818976/3-A	Lab Control Sample	Total/NA	Water	8081B	818976

Analysis Batch: 819256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-817151/1-A	Method Blank	Total/NA	Solid	8082A	817151
LCS 410-817151/2-A	Lab Control Sample	Total/NA	Solid	8082A	817151

Prep Batch: 820024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	Total/NA	Solid	3546	
MB 410-820024/1-A	Method Blank	Total/NA	Solid	3546	
LCS 410-820024/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 410-820024/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Analysis Batch: 820117

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	Total/NA	Solid	8082A	817151

Analysis Batch: 820364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	Total/NA	Solid	8015D	820024
MB 410-820024/1-A	Method Blank	Total/NA	Solid	8015D	820024
LCS 410-820024/2-A	Lab Control Sample	Total/NA	Solid	8015D	820024
LCSD 410-820024/3-A	Lab Control Sample Dup	Total/NA	Solid	8015D	820024

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

LCMS

Prep Batch: 815241

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-2	BTWWC	Total/NA	Water	8321B	
MB 410-815241/1-A	Method Blank	Total/NA	Water	8321B	
LCS 410-815241/2-A	Lab Control Sample	Total/NA	Water	8321B	

Analysis Batch: 815294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-2	BTWWC	Total/NA	Water	8321B	815241
MB 410-815241/1-A	Method Blank	Total/NA	Water	8321B	815241
LCS 410-815241/2-A	Lab Control Sample	Total/NA	Water	8321B	815241

Leach Batch: 815873

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	TCLP	Solid	1311	
LB 410-815873/1-G	Method Blank	TCLP	Solid	1311	
410-281507-1 MS	BTSWC	TCLP	Solid	1311	
410-281507-1 MSD	BTSWC	TCLP	Solid	1311	

Prep Batch: 816895

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	Total/NA	Solid	1633A	
MB 410-816895/1-A	Method Blank	Total/NA	Solid	1633A	
LCS 410-816895/2-A	Lab Control Sample	Total/NA	Solid	1633A	
LLCS 410-816895/3-A	Lab Control Sample	Total/NA	Solid	1633A	

Leach Batch: 818071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-2	BTWWC	TCLP	Water	1311	
LB 410-818071/1-E	Method Blank	TCLP	Water	1311	

Prep Batch: 818337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	TCLP	Solid	8321B	815873
LB 410-815873/1-G	Method Blank	TCLP	Solid	8321B	815873
MB 410-818337/1-A	Method Blank	Total/NA	Solid	8321B	
LCS 410-818337/2-A	Lab Control Sample	Total/NA	Solid	8321B	
410-281507-1 MS	BTSWC	TCLP	Solid	8321B	815873
410-281507-1 MSD	BTSWC	TCLP	Solid	8321B	815873

Prep Batch: 818365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-2	BTWWC	TCLP	Water	8321B	818071
LB 410-818071/1-E	Method Blank	TCLP	Water	8321B	818071
MB 410-818365/1-A	Method Blank	Total/NA	Water	8321B	
LCS 410-818365/2-A	Lab Control Sample	Total/NA	Water	8321B	
LCSD 410-818365/3-A	Lab Control Sample Dup	Total/NA	Water	8321B	

Analysis Batch: 818384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	TCLP	Solid	8321B	818337
410-281507-2	BTWWC	TCLP	Water	8321B	818365
LB 410-815873/1-G	Method Blank	TCLP	Solid	8321B	818337

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

LCMS (Continued)

Analysis Batch: 818384 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 410-818071/1-E	Method Blank	TCLP	Water	8321B	818365
MB 410-818337/1-A	Method Blank	Total/NA	Solid	8321B	818337
MB 410-818365/1-A	Method Blank	Total/NA	Water	8321B	818365
LCS 410-818337/2-A	Lab Control Sample	Total/NA	Solid	8321B	818337
LCS 410-818365/2-A	Lab Control Sample	Total/NA	Water	8321B	818365
LCSD 410-818365/3-A	Lab Control Sample Dup	Total/NA	Water	8321B	818365
410-281507-1 MS	BTSWC	TCLP	Solid	8321B	818337
410-281507-1 MSD	BTSWC	TCLP	Solid	8321B	818337

Analysis Batch: 818683

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	Total/NA	Solid	1633A	816895
MB 410-816895/1-A	Method Blank	Total/NA	Solid	1633A	816895
LCS 410-816895/2-A	Lab Control Sample	Total/NA	Solid	1633A	816895
LLCS 410-816895/3-A	Lab Control Sample	Total/NA	Solid	1633A	816895

Prep Batch: 820209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-2	BTWWC	Total/NA	Water	1633A	
MB 410-820209/7-A	Method Blank	Total/NA	Water	1633A	
LCS 410-820209/8-A	Lab Control Sample	Total/NA	Water	1633A	
LCSD 410-820209/9-A	Lab Control Sample Dup	Total/NA	Water	1633A	
LLCS 410-820209/10-A	Lab Control Sample	Total/NA	Water	1633A	

Analysis Batch: 820855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-820209/7-A	Method Blank	Total/NA	Water	1633A	820209
LCS 410-820209/8-A	Lab Control Sample	Total/NA	Water	1633A	820209
LCSD 410-820209/9-A	Lab Control Sample Dup	Total/NA	Water	1633A	820209

Analysis Batch: 822194

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-2	BTWWC	Total/NA	Water	1633A	820209

Analysis Batch: 822677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LLCS 410-820209/10-A	Lab Control Sample	Total/NA	Water	1633A	820209

Metals

Leach Batch: 815873

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	TCLP	Solid	1311	
410-281507-1 MS	BTSWC	TCLP	Solid	1311	
410-281507-1 MSD	BTSWC	TCLP	Solid	1311	
410-281507-1 DU	BTSWC	TCLP	Solid	1311	

Prep Batch: 816213

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	Total/NA	Solid	7471B	
MB 410-816213/1-A	Method Blank	Total/NA	Solid	7471B	

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Metals (Continued)

Prep Batch: 816213 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 410-816213/2-A	Lab Control Sample	Total/NA	Solid	7471B	

Prep Batch: 817668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	TCLP	Solid	3005A	815873
MB 410-817668/1-A	Method Blank	Total Recoverable	Solid	3005A	
LCS 410-817668/2-A	Lab Control Sample	Total Recoverable	Solid	3005A	
410-281507-1 MS	BTSWC	TCLP	Solid	3005A	815873
410-281507-1 MSD	BTSWC	TCLP	Solid	3005A	815873
410-281507-1 DU	BTSWC	TCLP	Solid	3005A	815873

Prep Batch: 817674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	TCLP	Solid	7470A	815873
MB 410-817674/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 410-817674/2-A	Lab Control Sample	Total/NA	Solid	7470A	
410-281507-1 MS	BTSWC	TCLP	Solid	7470A	815873
410-281507-1 MSD	BTSWC	TCLP	Solid	7470A	815873
410-281507-1 DU	BTSWC	TCLP	Solid	7470A	815873

Prep Batch: 817935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	Total/NA	Solid	3050B	
MB 410-817935/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 410-817935/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 817946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	Total/NA	Solid	7471B	816213
MB 410-816213/1-A	Method Blank	Total/NA	Solid	7471B	816213
LCS 410-816213/2-A	Lab Control Sample	Total/NA	Solid	7471B	816213

Analysis Batch: 818000

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	TCLP	Solid	7470A	817674
MB 410-817674/1-A	Method Blank	Total/NA	Solid	7470A	817674
LCS 410-817674/2-A	Lab Control Sample	Total/NA	Solid	7470A	817674
410-281507-1 MS	BTSWC	TCLP	Solid	7470A	817674
410-281507-1 MSD	BTSWC	TCLP	Solid	7470A	817674
410-281507-1 DU	BTSWC	TCLP	Solid	7470A	817674

Leach Batch: 818071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-2	BTWWC	TCLP	Water	1311	

Prep Batch: 818392

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-2	BTWWC	TCLP	Water	3005A	818071
MB 410-818392/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-818392/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Metals

Prep Batch: 818396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-2	BTWWC	TCLP	Water	7470A	818071
MB 410-818396/1-A	Method Blank	Total/NA	Water	7470A	
LCS 410-818396/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 818834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-2	BTWWC	Total/NA	Water	7470A	
MB 410-818834/1-A	Method Blank	Total/NA	Water	7470A	
LCS 410-818834/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 819743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	Total/NA	Solid	6020B	817935
MB 410-817935/1-A	Method Blank	Total/NA	Solid	6020B	817935
LCS 410-817935/2-A	Lab Control Sample	Total/NA	Solid	6020B	817935

Analysis Batch: 819751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	TCLP	Solid	6020B	817668
MB 410-817668/1-A	Method Blank	Total Recoverable	Solid	6020B	817668
LCS 410-817668/2-A	Lab Control Sample	Total Recoverable	Solid	6020B	817668
410-281507-1 MS	BTSWC	TCLP	Solid	6020B	817668
410-281507-1 MSD	BTSWC	TCLP	Solid	6020B	817668
410-281507-1 DU	BTSWC	TCLP	Solid	6020B	817668

Analysis Batch: 819757

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-2	BTWWC	Total/NA	Water	7470A	818834
MB 410-818834/1-A	Method Blank	Total/NA	Water	7470A	818834
LCS 410-818834/2-A	Lab Control Sample	Total/NA	Water	7470A	818834

Analysis Batch: 819762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-2	BTWWC	TCLP	Water	6020B	818392
MB 410-818392/1-A	Method Blank	Total Recoverable	Water	6020B	818392
LCS 410-818392/2-A	Lab Control Sample	Total Recoverable	Water	6020B	818392

Prep Batch: 820491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-2	BTWWC	Total Recoverable	Water	3005A	
MB 410-820491/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-820491/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 821065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-2	BTWWC	Total Recoverable	Water	6020B	820491
MB 410-820491/1-A	Method Blank	Total Recoverable	Water	6020B	820491
LCS 410-820491/2-A	Lab Control Sample	Total Recoverable	Water	6020B	820491

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Metals

Analysis Batch: 821373

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-2	BTWWC	TCLP	Water	7470A	818396
MB 410-818396/1-A	Method Blank	Total/NA	Water	7470A	818396
LCS 410-818396/2-A	Lab Control Sample	Total/NA	Water	7470A	818396

General Chemistry

Analysis Batch: 775528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	Total/NA	Solid	D4981	
410-281507-2	BTWWC	Total/NA	Water	D4981	
MB 480-775528/1	Method Blank	Total/NA	Solid	D4981	
LCS 480-775528/2	Lab Control Sample	Total/NA	Solid	D4981	
410-281507-2 DU	BTWWC	Total/NA	Water	D4981	

Analysis Batch: 815295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	Total/NA	Solid	2540G-2015	
LCS 410-815295/2	Lab Control Sample	Total/NA	Solid	2540G-2015	

Analysis Batch: 815761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-2	BTWWC	Total/NA	Water	2540B-2015	
MB 410-815761/1	Method Blank	Total/NA	Water	2540B-2015	
LCS 410-815761/2	Lab Control Sample	Total/NA	Water	2540B-2015	
LCSD 410-815761/3	Lab Control Sample Dup	Total/NA	Water	2540B-2015	

Leach Batch: 815887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	ASTM Leach	Solid	D3987-85	
LB 410-815887/1-A	Method Blank	ASTM Leach	Solid	D3987-85	
LB 410-815887/1-B	Method Blank	ASTM Leach	Solid	D3987-85	
LB 410-815887/1-C	Method Blank	ASTM Leach	Solid	D3987-85	

Analysis Batch: 816044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	Total/NA	Solid	Moisture	

Analysis Batch: 816527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-2	BTWWC	Total/NA	Water	2540E-2015	
MB 410-816527/1	Method Blank	Total/NA	Water	2540E-2015	
LCS 410-816527/4	Lab Control Sample	Total/NA	Water	2540E-2015	

Prep Batch: 817162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	Total/NA	Solid	9023	
MB 410-817162/1-A	Method Blank	Total/NA	Solid	9023	
LCS 410-817162/2-A	Lab Control Sample	Total/NA	Solid	9023	
LCSD 410-817162/3-A	Lab Control Sample Dup	Total/NA	Solid	9023	

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

General Chemistry

Analysis Batch: 817170

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	ASTM Leach	Solid	EPA 350.1	815887
LB 410-815887/1-C	Method Blank	ASTM Leach	Solid	EPA 350.1	815887
MB 410-817170/92	Method Blank	Total/NA	Solid	EPA 350.1	
LCS 410-817170/93	Lab Control Sample	Total/NA	Solid	EPA 350.1	
LCSD 410-817170/94	Lab Control Sample Dup	Total/NA	Solid	EPA 350.1	

Analysis Batch: 817431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	Total/NA	Solid	9023	817162
MB 410-817162/1-A	Method Blank	Total/NA	Solid	9023	817162
LCS 410-817162/2-A	Lab Control Sample	Total/NA	Solid	9023	817162
LCSD 410-817162/3-A	Lab Control Sample Dup	Total/NA	Solid	9023	817162

Analysis Batch: 817735

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-2	BTWWC	Total/NA	Water	9040C	
LCS 410-817735/1	Lab Control Sample	Total/NA	Water	9040C	

Analysis Batch: 819233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	Total/NA	Solid	9095B	
410-281507-2	BTWWC	Total/NA	Water	9095B	
MB 410-819233/1	Method Blank	Total/NA	Solid	9095B	

Analysis Batch: 819930

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	ASTM Leach	Solid	410.4	815887
LB 410-815887/1-B	Method Blank	ASTM Leach	Solid	410.4	815887

Analysis Batch: 820139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	ASTM Leach	Solid	1664B	815887
LB 410-815887/1-A	Method Blank	ASTM Leach	Solid	1664B	815887
MB 410-820139/1	Method Blank	Total/NA	Solid	1664B	
LCS 410-820139/2	Lab Control Sample	Total/NA	Solid	1664B	
LCSD 410-820139/3	Lab Control Sample Dup	Total/NA	Solid	1664B	

Prep Batch: 820290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	Total/NA	Solid	9071B	
MB 410-820290/1-A	Method Blank	Total/NA	Solid	9071B	
LCS 410-820290/2-A	Lab Control Sample	Total/NA	Solid	9071B	

Prep Batch: 820412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	Total/NA	Solid	7.3.4	
410-281507-2	BTWWC	Total/NA	Water	7.3.4	
MB 410-820412/1-A	Method Blank	Total/NA	Solid	7.3.4	
LCS 410-820412/25-A	Lab Control Sample	Total/NA	Solid	7.3.4	
LCS 410-820412/2-A	Lab Control Sample	Total/NA	Solid	7.3.4	
410-281507-2 MS	BTWWC	Total/NA	Water	7.3.4	

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

General Chemistry (Continued)

Prep Batch: 820412 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-2 MS	BTWWC	Total/NA	Water	7.3.4	
410-281507-2 MSD	BTWWC	Total/NA	Water	7.3.4	
410-281507-2 MSD	BTWWC	Total/NA	Water	7.3.4	

Analysis Batch: 820482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-2	BTWWC	Total/NA	Water	1664B	
MB 410-820482/1	Method Blank	Total/NA	Water	1664B	
LCS 410-820482/2	Lab Control Sample	Total/NA	Water	1664B	
LCSD 410-820482/3	Lab Control Sample Dup	Total/NA	Water	1664B	

Analysis Batch: 820510

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	Total/NA	Solid	9034	820412
410-281507-2	BTWWC	Total/NA	Water	9034	820412
MB 410-820412/1-A	Method Blank	Total/NA	Solid	9034	820412
LCS 410-820412/25-A	Lab Control Sample	Total/NA	Solid	9034	820412
410-281507-2 MS	BTWWC	Total/NA	Water	9034	820412
410-281507-2 MSD	BTWWC	Total/NA	Water	9034	820412

Leach Batch: 820805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	Soluble	Solid	DI Leach	
LCS 410-820805/1-A	Lab Control Sample	Soluble	Solid	DI Leach	
410-281507-1 DU	BTSWC	Soluble	Solid	DI Leach	

Analysis Batch: 820914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	Total/NA	Solid	9071B	820290
MB 410-820290/1-A	Method Blank	Total/NA	Solid	9071B	820290
LCS 410-820290/2-A	Lab Control Sample	Total/NA	Solid	9071B	820290

Analysis Batch: 821136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-2	BTWWC	Total/NA	Water	410.4	
MB 410-821136/36	Method Blank	Total/NA	Water	410.4	
MB 410-821136/4	Method Blank	Total/NA	Water	410.4	
LCS 410-821136/37	Lab Control Sample	Total/NA	Water	410.4	
LCS 410-821136/5	Lab Control Sample	Total/NA	Water	410.4	

Analysis Batch: 821175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	Total/NA	Solid	1010B	
410-281507-2	BTWWC	Total/NA	Water	1010B	
LCS 410-821175/1	Lab Control Sample	Total/NA	Solid	1010B	
LCSD 410-821175/2	Lab Control Sample Dup	Total/NA	Solid	1010B	

Analysis Batch: 821185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	Total/NA	Solid	9012	820412
410-281507-2	BTWWC	Total/NA	Water	9012	820412

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

General Chemistry (Continued)

Analysis Batch: 821185 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-820412/1-A	Method Blank	Total/NA	Solid	9012	820412
LCS 410-820412/2-A	Lab Control Sample	Total/NA	Solid	9012	820412
410-281507-2 MS	BTWWC	Total/NA	Water	9012	820412
410-281507-2 MSD	BTWWC	Total/NA	Water	9012	820412

Analysis Batch: 821210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-2	BTWWC	Total/NA	Water	EPA 350.1	
MB 410-821210/17	Method Blank	Total/NA	Water	EPA 350.1	
LCS 410-821210/15	Lab Control Sample	Total/NA	Water	EPA 350.1	
LCSD 410-821210/16	Lab Control Sample Dup	Total/NA	Water	EPA 350.1	

Analysis Batch: 821232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-1	BTSWC	Soluble	Solid	9045D	820805
LCS 410-820805/1-A	Lab Control Sample	Soluble	Solid	9045D	820805
410-281507-1 DU	BTSWC	Soluble	Solid	9045D	820805

Prep Batch: 822088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-2	BTWWC	Total/NA	Water	Carbon Trap	
MB 410-822088/1-A	Method Blank	Total/NA	Water	Carbon Trap	
LCS 410-822088/3-A	Lab Control Sample	Total/NA	Water	Carbon Trap	
LCSD 410-822088/6-A	Lab Control Sample Dup	Total/NA	Water	Carbon Trap	

Analysis Batch: 822744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-281507-2	BTWWC	Total/NA	Water	9020B	822088
MB 410-822088/1-A	Method Blank	Total/NA	Water	9020B	822088
LCS 410-822088/3-A	Lab Control Sample	Total/NA	Water	9020B	822088
LCSD 410-822088/6-A	Lab Control Sample Dup	Total/NA	Water	9020B	822088

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Client Sample ID: BSWC

Lab Sample ID: 410-281507-1

Date Collected: 05/05/26 10:20

Matrix: Solid

Date Received: 05/07/26 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			815925	UNWS	ELLE	05/12/26 14:21 - 05/13/26 06:28 ¹
TCLP	Analysis	8260D		20	822101	K1I	ELLE	05/21/26 23:11
TCLP	Leach	1311			815873	UNWS	ELLE	05/12/26 14:49 - 05/13/26 08:53 ¹
TCLP	Prep	3510C			818150	TCP3	ELLE	05/15/26 08:13
TCLP	Analysis	8270E		1	818565	RN6U	ELLE	05/16/26 00:08
TCLP	Leach	1311			815873	UNWS	ELLE	05/12/26 14:49 - 05/13/26 08:53 ¹
TCLP	Prep	3510C			818128	TCP3	ELLE	05/15/26 07:43
TCLP	Analysis	8081B		1	818775	B7YH	ELLE	05/16/26 15:46
TCLP	Leach	1311			815873	UNWS	ELLE	05/12/26 14:49 - 05/13/26 08:53 ¹
TCLP	Prep	8321B			818337	CL6F	ELLE	05/15/26 11:44
TCLP	Analysis	8321B		1	818384	F9DU	ELLE	05/15/26 19:03
TCLP	Leach	1311			815873	UNWS	ELLE	05/12/26 14:49 - 05/13/26 08:53 ¹
TCLP	Prep	3005A			817668	UAMX	ELLE	05/17/26 20:30
TCLP	Analysis	6020B		1	819751	I9IN	ELLE	05/18/26 21:44
TCLP	Leach	1311			815873	UNWS	ELLE	05/12/26 14:49 - 05/13/26 08:53 ¹
TCLP	Prep	7470A			817674	ZKHU	ELLE	05/14/26 18:02
TCLP	Analysis	7470A		1	818000	IJ3I	ELLE	05/14/26 23:25
Total/NA	Analysis	1010B		1	821175	DI9Q	ELLE	05/20/26 16:30 - 05/20/26 23:45 ¹
ASTM Leach	Leach	D3987-85			815887	UNWS	ELLE	05/12/26 13:18 - 05/13/26 07:23 ¹
ASTM Leach	Analysis	1664B		1	820139	QIMI	ELLE	05/19/26 12:01
Total/NA	Analysis	2540G-2015		1	815295	M98K	ELLE	05/11/26 11:38 - 05/12/26 11:15 ¹
ASTM Leach	Leach	D3987-85			815887	UNWS	ELLE	05/12/26 13:18 - 05/13/26 07:23 ¹
ASTM Leach	Analysis	410.4		1	819930	USAE	ELLE	05/19/26 07:51
Total/NA	Prep	7.3.4			820412	QT6L	ELLE	05/19/26 18:21
Total/NA	Analysis	9034		1	820510	QT6L	ELLE	05/19/26 21:36
Soluble	Leach	DI Leach			820805	M98K	ELLE	05/20/26 09:16
Soluble	Analysis	9045D		1	821232	DI9Q	ELLE	05/20/26 17:51
Total/NA	Analysis	9095B		1	819233	DX8K	ELLE	05/18/26 09:00
Total/NA	Analysis	D4981		1	775528	CG	EET BUF	05/14/26 09:01
ASTM Leach	Leach	D3987-85			815887	UNWS	ELLE	05/12/26 13:18 - 05/13/26 07:23 ¹
ASTM Leach	Analysis	EPA 350.1		1	817170	V9TU	ELLE	05/13/26 19:37
Total/NA	Analysis	Moisture		1	816044	E5GC	ELLE	05/12/26 08:55

Client Sample ID: BSWC

Lab Sample ID: 410-281507-1

Date Collected: 05/05/26 10:20

Matrix: Solid

Date Received: 05/07/26 17:15

Percent Solids: 83.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			815200	H4VV	ELLE	05/11/26 09:22
Total/NA	Analysis	8260D		50	817310	WJ7F	ELLE	05/14/26 12:36
Total/NA	Prep	3546			816403	MCH4	ELLE	05/13/26 00:09
Total/NA	Analysis	8270E		1	822022	ZFS6	ELLE	05/22/26 01:19
Total/NA	Prep	3546			816403	MCH4	ELLE	05/13/26 00:09
Total/NA	Analysis	8270E		1	820458	24RA	ELLE	05/20/26 00:30

Eurofins Lancaster Laboratories Environment Testing, LLC

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Client Sample ID: BTSWC

Lab Sample ID: 410-281507-1

Date Collected: 05/05/26 10:20

Matrix: Solid

Date Received: 05/07/26 17:15

Percent Solids: 83.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			817715	PV7W	ELLE	05/14/26 14:35
Total/NA	Analysis	8015D		25	818205	P5AM	ELLE	05/15/26 20:14
Total/NA	Prep	3546			820024	7TVY	ELLE	05/19/26 09:43
Total/NA	Analysis	8015D		1	820364	UHEW	ELLE	05/20/26 04:28
Total/NA	Prep	3546			817151	MCH4	ELLE	05/13/26 22:58
Total/NA	Analysis	8082A		1	820117	A2VL	ELLE	05/20/26 05:08
Total/NA	Prep	1633A			816895	VDC4	ELLE	05/13/26 14:12
Total/NA	Analysis	1633A		1	818683	P7EB	ELLE	05/16/26 13:20
Total/NA	Prep	3050B			817935	VT6A	ELLE	05/18/26 14:00
Total/NA	Analysis	6020B		2	819743	LHF4	ELLE	05/18/26 21:13
Total/NA	Prep	7471B			816213	VT6A	ELLE	05/14/26 14:00
Total/NA	Analysis	7471B		1	817946	IJ3I	ELLE	05/14/26 18:41
Total/NA	Prep	7.3.4			820412	QT6L	ELLE	05/19/26 18:21
Total/NA	Analysis	9012		1	821185	UJE2	ELLE	05/20/26 16:30
Total/NA	Prep	9023			817162	QLP7	ELLE	05/13/26 10:00
Total/NA	Analysis	9023		1	817431	QLP7	ELLE	05/13/26 22:21
Total/NA	Prep	9071B			820290	GD6Y	ELLE	05/19/26 15:43
Total/NA	Analysis	9071B		1	820914	GD6Y	ELLE	05/20/26 11:40

Client Sample ID: BTWWC

Lab Sample ID: 410-281507-2

Date Collected: 05/05/26 10:45

Matrix: Water

Date Received: 05/07/26 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			816669	UNWS	ELLE	05/13/26 10:40 - 05/13/26 11:00 ¹
TCLP	Analysis	8260D		20	822101	K1I	ELLE	05/21/26 22:51
Total/NA	Analysis	8260D		1	819112	ULCP	ELLE	05/18/26 12:20
TCLP	Leach	1311			818071	UNWS	ELLE	05/15/26 07:47 - 05/15/26 08:20 ¹
TCLP	Prep	3510C			818955	9X9W	ELLE	05/17/26 15:43
TCLP	Analysis	8270E		1	819154	RN6U	ELLE	05/18/26 15:19
Total/NA	Prep	3511			815929	XU9L	ELLE	05/12/26 09:00
Total/NA	Analysis	8270E		1	819602	W6ZA	ELLE	05/19/26 09:50
Total/NA	Prep	3511			815929	XU9L	ELLE	05/12/26 09:00
Total/NA	Analysis	8270E		1	820286	L2LY	ELLE	05/19/26 22:36
Total/NA	Analysis	8015D		1	816542	P5AM	ELLE	05/13/26 15:02
Total/NA	Prep	3511			815736	UMAD	ELLE	05/12/26 04:36
Total/NA	Analysis	8015D		1	816388	UHEW	ELLE	05/13/26 09:26
TCLP	Leach	1311			818071	UNWS	ELLE	05/15/26 07:47 - 05/15/26 08:20 ¹
TCLP	Prep	3510C			818976	UBKT	ELLE	05/17/26 16:31
TCLP	Analysis	8081B		1	819061	UAMZ	ELLE	05/18/26 11:58
Total/NA	Prep	3510C			815559	UBKT	ELLE	05/11/26 17:20
Total/NA	Analysis	8081B		1	815748	UAMZ	ELLE	05/12/26 11:40
Total/NA	Prep	3511			815512	L2FU	ELLE	05/11/26 16:27
Total/NA	Analysis	8082A		1	815937	A2VL	ELLE	05/12/26 12:18

Eurofins Lancaster Laboratories Environment Testing, LLC

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Client Sample ID: BTWWC

Lab Sample ID: 410-281507-2

Date Collected: 05/05/26 10:45

Matrix: Water

Date Received: 05/07/26 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633A			820209	ULU3	ELLE	05/19/26 14:17
Total/NA	Analysis	1633A		1	822194	VGQ7	ELLE	05/22/26 08:54
TCLP	Leach	1311			818071	UNWS	ELLE	05/15/26 07:47 - 05/15/26 08:20 ¹
TCLP	Prep	8321B			818365	CL6F	ELLE	05/15/26 13:03
TCLP	Analysis	8321B		1	818384	F9DU	ELLE	05/15/26 21:41
Total/NA	Prep	8321B			815241	CL6F	ELLE	05/11/26 09:56
Total/NA	Analysis	8321B		1	815294	F9DU	ELLE	05/11/26 15:04
TCLP	Leach	1311			818071	UNWS	ELLE	05/15/26 07:47 - 05/15/26 08:20 ¹
TCLP	Prep	3005A			818392	RFN5	ELLE	05/18/26 09:50
TCLP	Analysis	6020B		1	819762	I9IN	ELLE	05/18/26 20:09
Total Recoverable	Prep	3005A			820491	UAMX	ELLE	05/19/26 22:00
Total Recoverable	Analysis	6020B		1	821065	SAM2	ELLE	05/20/26 10:44
TCLP	Leach	1311			818071	UNWS	ELLE	05/15/26 07:47 - 05/15/26 08:20 ¹
TCLP	Prep	7470A			818396	VT6A	ELLE	05/20/26 09:00
TCLP	Analysis	7470A		1	821373	IJ3I	ELLE	05/20/26 20:19
Total/NA	Prep	7470A			818834	ZKHU	ELLE	05/18/26 18:01
Total/NA	Analysis	7470A		1	819757	IJ3I	ELLE	05/18/26 23:26
Total/NA	Analysis	1010B		1	821175	DI9Q	ELLE	05/20/26 16:30 - 05/20/26 23:45 ¹
Total/NA	Analysis	1664B		1	820482	3H9Z	ELLE	05/19/26 20:35
Total/NA	Analysis	2540B-2015		1	815761	M98K	ELLE	05/12/26 06:22
Total/NA	Analysis	2540E-2015		1	816527	M98K	ELLE	05/12/26 06:22
Total/NA	Analysis	410.4		1	821136	USAE	ELLE	05/20/26 10:23
Total/NA	Prep	7.3.4			820412	QT6L	ELLE	05/19/26 18:21
Total/NA	Analysis	9012		1	821185	UJE2	ELLE	05/20/26 15:30
Total/NA	Prep	Carbon Trap			822088	P7KQ	ELLE	05/21/26 13:00
Total/NA	Analysis	9020B		1	822744	QLP7	ELLE	05/22/26 01:33
Total/NA	Prep	7.3.4			820412	QT6L	ELLE	05/19/26 18:21
Total/NA	Analysis	9034		1	820510	QT6L	ELLE	05/19/26 21:36
Total/NA	Analysis	9040C		1	817735	LN7R	ELLE	05/14/26 14:58
Total/NA	Analysis	9095B		1	819233	DX8K	ELLE	05/18/26 09:00
Total/NA	Analysis	D4981		1	775528	CG	EET BUF	05/14/26 09:01
Total/NA	Analysis	EPA 350.1		1	821210	V9TU	ELLE	05/20/26 14:49

Client Sample ID: Trip Blank

Lab Sample ID: 410-281507-3

Date Collected: 05/05/26 00:00

Matrix: Water

Date Received: 05/07/26 17:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	819112	ULCP	ELLE	05/18/26 11:40

¹ This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Eurofins Lancaster Laboratories Environment Testing, LLC

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Pennsylvania	NELAP	36-00037	01-31-27
The following analytes are included in this report, but the laboratory is not certified by Pennsylvania NELAP 36-00037. This list may include analytes for which the agency does not offer certification :			
Analysis Method	Prep Method	Matrix	Analyte
2540E-2015		Water	Total Volatile Solids
9040C		Water	Corrosivity
Moisture		Solid	Percent Moisture

Laboratory: Eurofins Buffalo

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0807	03-31-28
Georgia	State Program	N/A	03-31-09 *
Illinois	NELAP	200003	05-20-26
Iowa	State Program	374	03-01-09 *
Kentucky (UST)	State	108092	03-31-26 *
Kentucky (WW)	State	KY90029	12-31-26
Maine	State	NY00044	04-21-27
Maryland	State	294	06-30-26
Massachusetts	State	M-NY044	06-30-26
Michigan	State Program	9937	04-01-09 *
New Hampshire	NELAP	2973	09-11-19 *
New Hampshire	NELAP	2337	11-17-26
New Jersey	NELAP	NY455	06-30-26
New York	NELAP	10026	03-31-27
Pennsylvania	NELAP	68-00281	08-30-26
Rhode Island	State	LAO00378	12-30-26
USDA	US Federal Programs	P330-18-00039	02-16-27
Virginia	NELAP	460185	09-14-26
Washington	State	C784	02-10-27
Wisconsin	State	998310390	08-31-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Lancaster Laboratories Environment Testing, LLC

Method Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	ELLE
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	ELLE
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	ELLE
8015D	Gasoline Range Organics (GRO) (GC)	SW846	ELLE
8015D	Diesel Range Organics (DRO) (GC)	SW846	ELLE
8081B	Organochlorine Pesticides (GC)	SW846	ELLE
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	ELLE
1633A	Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A	EPA	ELLE
8321B	Herbicides (LC/MS)	SW846	ELLE
6020B	Metals (ICP/MS)	SW846	ELLE
7470A	Mercury (CVAA)	SW846	ELLE
7471B	Mercury (CVAA)	SW846	ELLE
1010B	Ignitability, Pensky-Martens Closed-Cup Method	SW846	ELLE
1664B	HEM and SGT-HEM	1664B	ELLE
2540B-2015	Solids, Total	SM	ELLE
2540E-2015	Solids, Volatile and Fixed (VS)	SM	ELLE
2540G-2015	Total, Fixed, and Volatile Solids	SM	ELLE
410.4	COD	EPA	ELLE
9012	Cyanide, Reactive	SW846	ELLE
9020B	Organic Halides, Total (TOX)	SW846	ELLE
9023	Organic Halides, Extractable (EOX)	SW846	ELLE
9034	Sulfide, Reactive	SW846	ELLE
9040C	pH	SW846	ELLE
9045D	pH	SW846	ELLE
9071B	HEM and SGT-HEM	SW846	ELLE
9095B	Paint Filter	SW846	ELLE
D4981	Screening of Oxidizers	ASTM	EET BUF
EPA 350.1	Nitrogen, Ammonia	EPA	ELLE
Moisture	Percent Moisture	EPA	ELLE
1311	TCLP Extraction	SW846	ELLE
1633A	Shake Extraction with SPE	EPA	ELLE
1633A	Solid-Phase Extraction (SPE)	EPA	ELLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	ELLE
3050B	Preparation, Metals	SW846	ELLE
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	ELLE
3511	Microextraction of Organic Compounds	SW846	ELLE
3546	Microwave Extraction	SW846	ELLE
5030C	Purge and Trap	SW846	ELLE
5035	Closed System Purge and Trap	SW846	ELLE
7.3.3	Cyanide, Reactive	SW846	ELLE
7.3.4	Sulfide, Reactive	SW846	ELLE
7470A	Preparation, Mercury	SW846	ELLE
7471B	Preparation, Mercury	SW846	ELLE
8321B	Extraction of Chlorinated Phenoxyacid Herbicides	EPA	ELLE
9023	Preparation, EOX	SW846	ELLE
9071B	Preparation, HEM and SGT-HEM	SW846	ELLE
Carbon Trap	Carbon Trap Preparation	EPA-17	ELLE
D3987-85	ASTM Leaching Procedure	ASTM	ELLE
DI Leach	Deionized Water Leaching Procedure	ASTM	ELLE

Method Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Method	Method Description	Protocol	Laboratory
Protocol References:			
	1664B = EPA-821-98-002		
	ASTM = ASTM International		
	EPA = US Environmental Protection Agency		
	EPA-17 = "Method 1650, Revision A, Adsorbable Organic Halides By Adsorption And Colormetric Titration," EPA, February 1992		
	SM = "Standard Methods For The Examination Of Water And Wastewater"		
	SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.		
Laboratory References:			
	EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600		
	ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300		

Sample Summary

Client: Groundwater & Environmental Services Inc
Project/Site: GTAC Bishop Tube HSCA Site

Job ID: 410-281507-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
410-281507-1	BTSWC	Solid	05/05/26 10:20	05/07/26 17:15	Pennsylvania
410-281507-2	BTWWC	Water	05/05/26 10:45	05/07/26 17:15	Pennsylvania
410-281507-3	Trip Blank	Water	05/05/26 00:00	05/07/26 17:15	Pennsylvania



410-281507 Chain of Custody

page 1 of 3

Environmental Analysis Request/Chain of Custody

Lancaster Laboratories
Environmental

Acct. # _____ Group # _____ Sample # _____

Client Name: Groundwater & Environmental Services, Inc		Acct #:		Matrix		Analyses Requested										For Lab Use Only	
Project Name/#: GTAC Bishop Tube HSCA Site				Tissue ☐ Ground ☐ Surface ☐		Preservation and Filtration Codes										SF #:	
Site Address: East Whiteland Township, Malvern PA				Potable ☐ NPDES ☐													
GES PM/CM: Tim Uhler 610-458-1077 ext. 3071				Soil ☐ Water ☐ Other: ☐												SCR #:	
Client Address: 410 Eagleview Boulevard Suite 110, Exton PA																	
Email report: labreportspae@gesonline.com AND tuhler@gesonline.com																	
Invoice needs to be emailed to ges-invoices@gesonline.com. COC must be attached to invoice. Invoice must reference job # 0070462-3080-06																	
State where samples were collected: PA		For Compliance: Yes ☐ No ☒															
Sampler: <u>Darcy Yoder</u>		Collection															
Sampler Signature: <u>[Signature]</u>																	
Sample Identification		Date	Time	Grab	Composite											Remarks	
BTSWC		5/5/2026	1020	X												Please run all metals as	
																TCLP Metals +, CU,	
																NCR	
																3 total COC's	
																1 for soil,	
																2 for water.	
																D = non-preserved except	
																methanol kit which has	
																methanol preservative	
Turnaround Time Requested (TAT) (please check): Standard ☒ Rush ☐		(Rush TAT is subject to laboratory approval and surcharges.)		Relinquished by: <u>[Signature]</u>		Date	Time	Received by: <u>Geo Ridge</u>		Date	Time						
Date results are needed:				Relinquished by: <u>Ben Feidler</u>		Date	Time	Received by: <u>[Signature]</u>		Date	Time						
Rush results requested by (please check): E-Mail ☐ Phone ☐				Relinquished by: <u>[Signature]</u>		Date	Time	Received by:		Date	Time						
E-mail Address: <u>labreportspae@gesonline.com</u>				Relinquished by:		Date	Time	Received by:		Date	Time						
Phone:				Relinquished by:		Date	Time	Received by:		Date	Time						
Data Package Options (please check if required)				Relinquished by:		Date	Time	Received by:		Date	Time						
Type I (Validation/non-CLP) ☐ MA MCP ☐				Relinquished by:		Date	Time	Received by:		Date	Time						
Type III (Reduced non-CLP) ☐ CT RCP ☐				Relinquished by:		Date	Time	Received by:		Date	Time						
Type VI (Raw Data Only) ☐ TX TRRP-13 ☐				Relinquished by:		Date	Time	Received by:		Date	Time						
NJ DKQP ☐ NYSDEC Category ☐ A or ☐ B				Relinquished by Commercial Carrier:				Received by:		Date	Time						
EDD Required? Yes ☒ No ☐ If yes, format: _____				UPS ☐ FedEx ☐ Other ☒				Temperature upon receipt _____ °C									

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7045 0717

CP

Acct. #	Group #	Sample #
---------	---------	----------

[illegible]

Acct. # _____ Group # _____ Sample # _____

[illegible]

7045 0717

1715
③ 224/5/14/26

[illegible]

Chain of Custody Record



Environment Testing

Barberton, OH 44203
Phone: 330-497-9396 Fax: 330-497-0772

Client Information (Sub Contract Lab)

Client Contact: N/A
Shipping/Receiving: N/A
Company: Eurofins Environment Testing Northeast L
Address: 10 Hazelwood Drive, Amherst, NY, 14228-2298
Phone: 716-691-2600 (Tel) 716-691-7991 (Fax)
Email: N/A
Project Name: Milford
Site: N/A

Due Date Requested: 5/13/2026
TAT Requested (days): N/A
PO #: N/A
WO #: N/A
Project #: 24005967
SSOW#: N/A

Lab PM: DelMonico, Michael
E-Mail: Michael.DelMonico@et.eurofins.com
Accreditations Required (See note): N/A

Carrier Tracking No(s): N/A
State of Origin: Michigan
Page: 1 of 1
Job #: 240-249914-1
Preservation Codes:

Analysis Requested

Field Filtered Sample (Yes or No) ☒ 4500_P.E(MOD) Local Method ☒ Total Number of Containers

Sample Identification - Client ID (Lab ID)

EFFLUENT_050526 (240-249914-1)

Sample Date: 5/5/26
Sample Time: 08:40 Eastern
Sample Type (C=Comp, G=grab): G
Matrix (W=water, B=solid, O=wastewater, BT=tissue, AA=air): Water

Preservation Code: G

Special Instructions/Note: Reporting Limit of 0.025 mg/L - Notify PM if result above RL

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification

Unconfirmed

Deliverable Requested: I, II, III, IV, Other (specify)

Primary Deliverable Rank: 2

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client ☐ Disposal By Lab ☐ Archive For ☐ Months

Special Instructions/QC Requirements:

Time: Date:

Relinquished by: CHRIS ROAN

Relinquished by: 5/12/26 5:00

Relinquished by: Date/Time: Company: EC

Relinquished by: Date/Time: Company: Company

Custody Seal Seal No.: 2118211ce

Custody Seal Seal No.: 2118211ce

Cooler Temperature(s) °C and Other Remarks:

Ver: 03/20/2026

[illegible]

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 410-281507-1

Login Number: 281507

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Burkholder, Conrad

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable, where thermal pres is required ($\leq 6^{\circ}\text{C}$, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temp acceptable, where thermal pres is required ($\leq 6^{\circ}\text{C}$, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	False	Refer to Job Narrative for details.
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	True	
VOA sample vials do not have headspace $> 6\text{mm}$ in diameter (none, if from WV)?	True	

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 410-281507-1

Login Number: 281507

List Number: 2

Creator: Stapleton, Kaitlyn

List Source: Eurofins Buffalo

List Creation: 05/13/26 11:05 AM

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.3 IR#1 ice
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	